

IMPACT REPORT 2024

Powering Sustainable Growth

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On the Cover

The new Equipment and Process Innovation and Commercialization (EPIC™) Center, the world’s largest and most advanced facility for collaborative semiconductor process technology and manufacturing equipment research and development, is rising in the heart of Silicon Valley. It is expected to commence operations in 2026. [Read more.](#) (Cover image taken May 2025.)



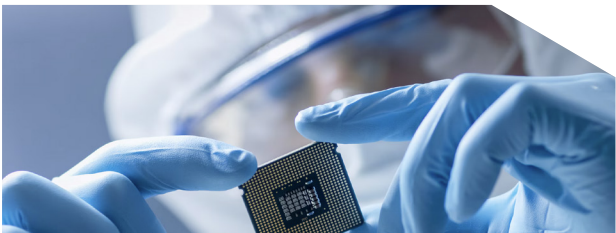
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Introduction

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Vision and Strategy

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Recognitions and Memberships



Message from Our CEO

Tectonic shifts in technology are reshaping our lives and the global economy. Transformative innovations, like artificial intelligence (AI) and the internet of things (IoT), have near-infinite potential, and we’re only beginning to explore what’s possible.

Semiconductors are the foundation of these technological megatrends. To scale breakthrough innovations, our industry must confront the environmental and social impacts associated with the exponential advancement of these data-intensive applications. In short, we must drive sustainable growth across our entire ecosystem.

As the world’s leading semiconductor and display equipment company, Applied is uniquely positioned to accelerate our industry’s roadmap and enable more energy-efficient computing. Integral to executing our strategy is our commitment to making a positive impact. We remain focused on ensuring the trust of all our stakeholders as we empower people and advance environmental progress.

Guiding our environmental progress is Applied’s Net Zero 2040 Playbook™, which outlines a collaborative approach to transform the foundation of semiconductor technology, accelerate global clean energy and reach our net zero aspirations alongside our partners.

We are making progress across all pillars of the Net Zero 2040 Playbook, which we updated in 2025 to reflect the latest emissions data and projections. Our progress is supported by several key initiatives including the expansion of clean energy sources, co-innovation with our customers, our 3x30 product efficiency program and SuCCESS2030, our 10-year roadmap for creating a more sustainable supply chain.

Our broadening portfolio of innovative and eco-advantaged semiconductor manufacturing products and services, including our new ECO Services offering, enables chipmakers to reduce their physical and carbon footprints, realize capital and operational cost savings, and make progress toward their sustainability goals.

Construction of the Equipment and Process Innovation and Commercialization (EPIC™) Center is well underway in Silicon Valley, on track to commence operations in 2026. Here, we will build the world’s largest and most advanced facility for collaborative semiconductor process technology and manufacturing equipment R&D. We continue to expand our global EPIC Innovation Platform, including launching our EPIC Advanced Packaging strategy.

To accelerate our performance, we must attract and retain the best talent and allow everyone to achieve their full potential. We are building a more connected and collaborative culture to drive breakthrough innovation, faster decision-making and increased productivity, while creating a more fulfilling employee experience.

Groundbreaking innovation requires an unbreakable foundation. By powering sustainable growth across our company and the semiconductor ecosystem, we can continue to Make Possible™ a Better Future for everyone and every generation that follows.



Gary E. Dickerson
President and Chief Executive Officer

2024 Highlights



Updated the Net Zero 2040 Playbook reflecting reduced Scope 3 emissions and improved 2040 projections as well as progress across all four Playbook building blocks



Received Singapore’s Building and Construction Authority Green Mark 2021 Platinum certification for our Tampines Industrial Crescent building and U.S. Green Building Council’s LEED Gold certification on the Applied India Validation Center Lab in Bengaluru



More than one-third of the way toward our goal to improve energy consumption per wafer pass across all semiconductor products



Supported 109 scholars in the first year of the Applied Materials Momentum Fund™



Added the ECO Services offering to help our customers measure, optimize, reduce and monitor power and utilities consumption and carbon emissions



Launched a new AI-enabled platform to better match open opportunities across Applied with potential applicants’ skills and experience



700kW on-site solar array installed at our Tainan facility with 228,524 kWh of clean energy generated between September – November 2024



About Applied Materials

Applied Materials is the leader in materials engineering solutions used to produce virtually every new chip and advanced display in the world. We provide manufacturing equipment, services and software to the semiconductor, display and related industries. Our innovations Make Possible a Better Future.

Our products and services include:

- **Semiconductor Systems** used to fabricate silicon wafer chips—the brains of data centers and the electronic devices used in almost every aspect of our lives.
- **Applied Global Services™**, which provides consulting, spare parts, upgrades, services, remanufactured equipment and automation software to improve equipment and fab operation performance and productivity.
- **Display** products to manufacture LCDs, OLEDs and other display technologies and consumer-oriented devices.

Our customers are foundries, integrated device manufacturers and display manufacturers who use our products to manufacture their own products, which they incorporate into electronic devices, or to sell to other companies for use in electronic devices.


[Get to know us](#)

Quick Facts



\$3.2B

R&D investment



\$27.2B

revenue in fiscal 2024



~35,700

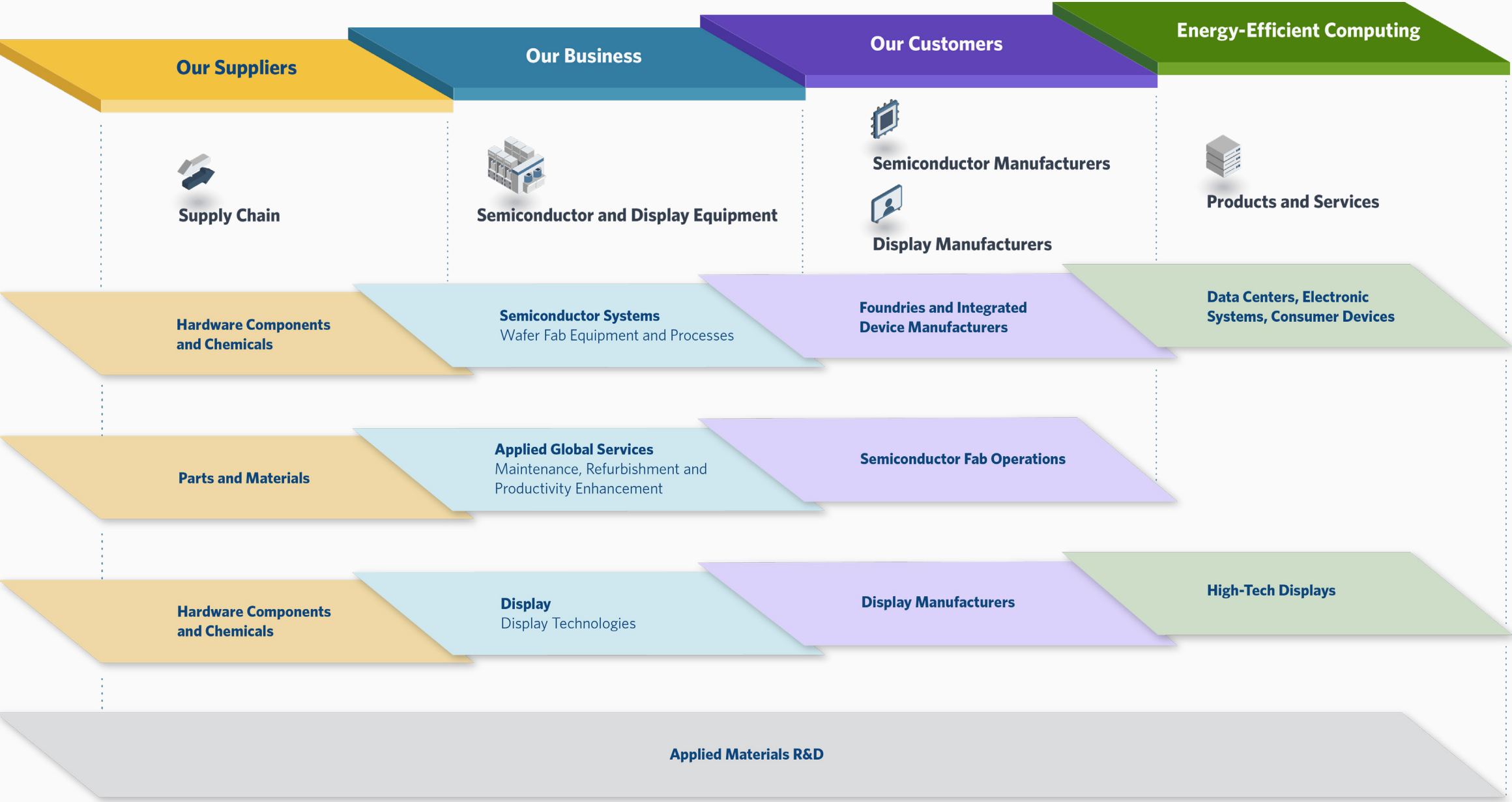
employees in 207 cities, 24 countries



>22,000

patents

Applied Materials Value Chain



Our Value Chain

Delivering the next generation of transformative, energy-efficient computing innovation requires tight collaboration across Applied’s entire value chain.

Our customers—semiconductor foundries, integrated device manufacturers and display manufacturers—make the products that are used in a wide variety of consumer and commercial electronics such as personal computing devices, mobile phones, data center servers, automobiles, connected devices and industrial applications.

Applied sits at the foundation of these next-generation technologies as a world leader in the design, development, production and servicing of the critical wafer fabrication and display fabrication tools our customers need to manufacture these products.

Across our three business segments, Applied is supported by a strong and diversified network of supply chain partners that provide a range of proprietary and commercial parts, components, subassemblies and materials used to manufacture our products and provide our services.

Headquarters and Key Manufacturing Facilities



Employees by Region

North America	Europe, the Middle East and Africa	Asia-Pacific
15,271	4,422	16,017

Our Core Values

Our core values anchor our business strategy, guiding our decisions, actions and interactions with each other, our partners and the communities in which we operate.

- Most valued partner**
Collaborate broadly to solve customer high-value problems faster and better
- Winning team**
Achieve great results together in an environment where employees do their best
- Responsibility and integrity**
Operate with mutual trust and respect to make a positive contribution to the industry and community
- World-class performance**
Create competitive advantage and deliver superior results that generate value and fuel growth

See a complete list of all [Applied Materials locations](#)

Vision and Strategy

Applied is committed to operating as a responsible business that respects our planet’s resources and the rights of all people across our value chain.

At Applied, we are working to protect the health, safety and privacy of our employees and partners; decarbonize our supply chain; and build a more connected and collaborative culture. We have been reporting on our impact efforts since 2005.

Our framework considers the social and environmental impacts across the semiconductor ecosystem from **our business** operations, products and services, to how we engage and advance sustainability through our suppliers and customers across **our value chain**, and—most significantly—how we accelerate **energy-efficient computing** to power sustainable growth on a global scale.

We prioritize **Ensuring Trust, Empowering People and Environmental Progress** as we enable breakthrough innovations that unlock artificial intelligence (AI) and other technology inflections in a rapidly changing world. Applied has set bold 2030 goals to focus our actions on issues that are most impactful to Applied and our stakeholders, and we are collaborating across our value chain to decarbonize in line with the 1.5°C pathway—a plan we call the Net Zero 2040 Playbook.

Applied Materials Impact Framework

Our Business



Our Value Chain



Energy-Efficient Computing



Impact Materiality Assessment

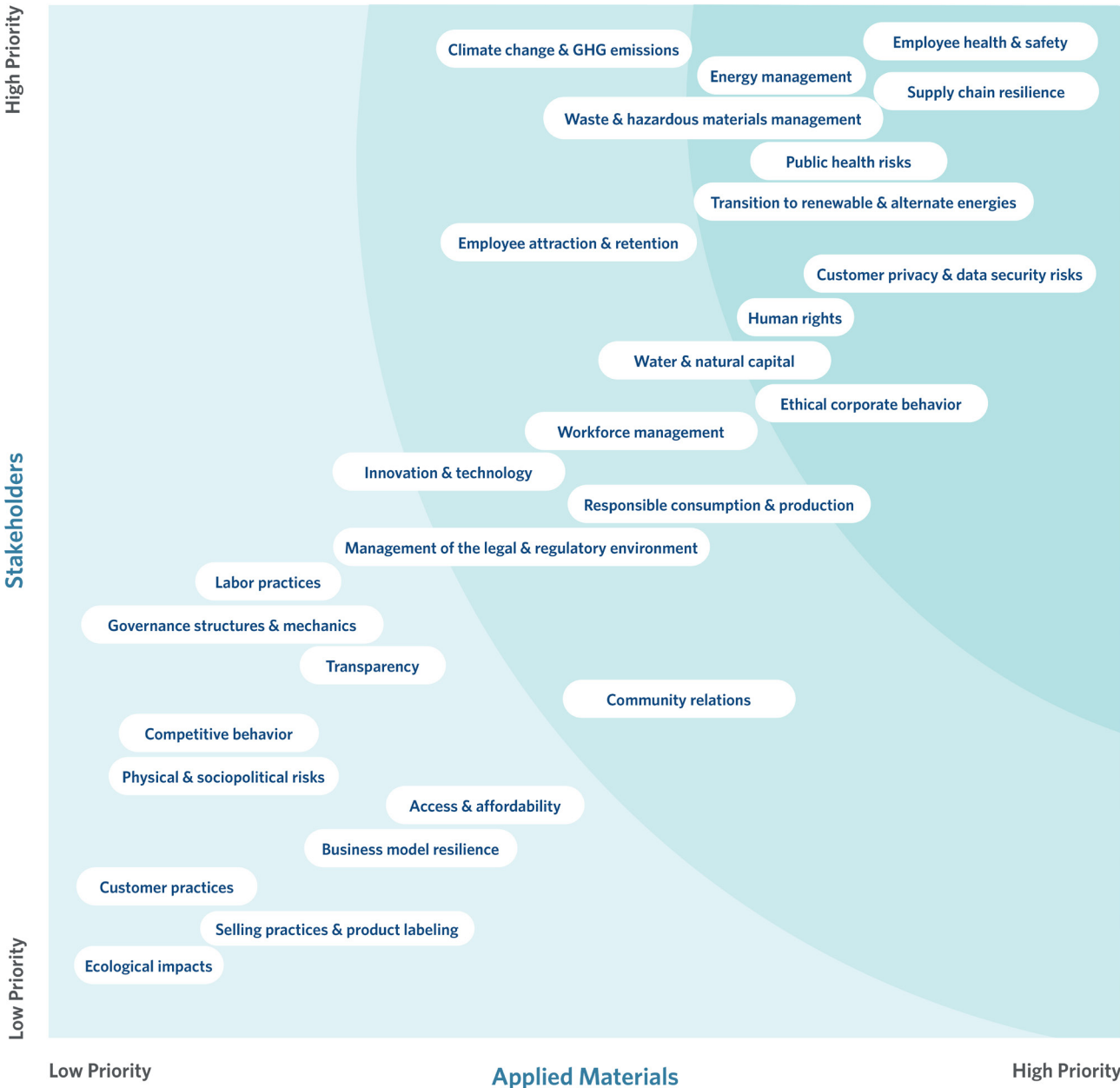
Applied conducts impact materiality* assessments to help us identify the issues most important to our stakeholders and where we can have the greatest impact.

We also view issues through a double materiality lens, which assesses the factors, both positive and negative, most likely to affect our business and that our activities may affect.

Our most recent impact materiality assessment, completed in fiscal 2023, identified our key material issues as:

- Employee health and safety
- Climate change and GHG emissions
- Energy management
- Supply chain resilience
- Waste and hazardous materials management

Materiality Matrix



* The terms “material” and “materiality” as used in this report and the impact materiality assessment and double-materiality assessment are different than those terms used in the context of filings with the U.S. Securities and Exchange Commission (SEC). Issues deemed material for the purposes of this report may not be deemed material for SEC reporting purposes.

Recognitions and Memberships



- World's Most Admired Companies, Fortune Magazine
- JUST 100, America's Most JUST Companies, JUST Capital
- Net Zero Leaders, Forbes
- Golden Peacock Global Award for ESG, Institute of Directors (IOD), India
- 100 Best Corporate Citizens, 3BL
- 100 Most Sustainable Companies, Barron's
- FTSE4Good

- Compliance Leader Verification by Ethisphere
- Equality 100, Human Rights Campaign Foundation's Corporate Equality Index
- Great Place to Work Certified



See more workplace recognitions in [Recruiting and Hiring](#) and philanthropic honors in [Community Impact](#).

Select Memberships and Affiliations

- Association of Certified Fraud Examiners (ACFE)
- Boston College Center for Corporate Citizenship
- Business Ethics Leadership Alliance (BELA)
- Catalyze
- Chief Executives for Corporate Purpose
- Clean Energy Buyers Association (CEBA)
- Corporate Community Relations Consortium
- DIGITALEUROPE
- IEEE International Roadmap for Devices and Systems™ (IRDS™) Community
- Interuniversity of Microelectronics Centre (imec) Sustainable Semiconductor Technologies and Systems (SSTS)
- RE100
- Reboot Representation Coalition (India)
- Responsible Business Alliance (RBA)
- Responsible Minerals Initiative (RMI)
- Semiconductor Equipment and Materials International (SEMI)
- Semiconductor Climate Consortium (SCC)—Founding member, Governing Council member
- The Climate Pledge
- Women's Business Enterprise National Council (WBENC)

ENSURING TRUST

2024 Highlights

Corporate Governance

Global Ethics and Compliance

Cybersecurity and Data Protection

Environmental, Health and Safety

Public Policy



High-velocity co-innovation demands the deepest level of trust. We operate with the utmost integrity and ethics in all aspects of our business, safeguarding the privacy, data and intellectual property that is entrusted to us.

Applied works in close collaboration with customers to solve high-value problems and bring next-generation technology to the market faster. Operating with mutual trust and respect is paramount to being our customers’ most valued partner and to making a positive contribution to our industry and communities.

We maintain a clear and robust governance model that is rooted in our [core values](#). We continuously evaluate and sharpen our internal processes and oversight to protect the confidence our stakeholders place in us.

Applied is committed to a safety-first culture that empowers transparent issue reporting across our organization and enables us to support the health and safety of our employees, partners and the environment.

In every market in which we operate, we advocate for policies that protect our people and advance our business interests and values, and those of our industry.

Our long-standing and uncompromising commitment to responsibility and integrity helps ensure we can protect our people and trusted relationships; safeguard IP, data privacy and systems; and continuously strengthen resilience as we deliver world-class performance at scale to accelerate energy-efficient computing.

Applied Ventures, LLC

The venture capital arm of Applied Materials, Applied Ventures, LLC, promotes and drives sustainability-related innovations, among others, in the broader semiconductor industry through investments and engagements in the venture startup ecosystem. Learn more about our portfolio of companies advancing environmental progress at [Applied Ventures](#).

2024 Highlights



Recertified business-critical locations globally to ISO/ISE 27001:2022 certification



Launched a new consolidated and global Legal Compliance 101 training



Established an enterprise-wide Corporate Compliance Committee for improved executive oversight of regulatory compliance risks and to foster more streamlined collaboration across compliance programs



Introduced a new Environmental, Health and Safety (EHS) operating philosophy, Human and Organizational Performance, to ingrain a safety-first culture



Implemented a new integrated EHS management software platform to improve incident reporting and tracking processes



Published new, multilingual Standards of Business Conduct for Business Partners



Broke ground on the construction of the Equipment and Process Innovation and Commercialization Center (EPIC) in Silicon Valley, CA

Corporate Governance

Applied is committed to responsible growth, and making a positive impact remains integral to our corporate strategy.

The Net Zero Leadership Council, a cross-functional group of Applied’s business unit and function leaders, is responsible for overseeing the implementation of our sustainability strategy, particularly our Net Zero 2040 Playbook™. The sustainability team, advised by the Council and other leaders, approves all content in our annual Impact Report.

To ensure accountability, the head of sustainability reports progress to our CEO and Executive Leadership Team as part of the annual corporate strategic review process. Quarterly progress is reported to the Corporate Governance and Nominating Committee (CGNC) of our Board of Directors and is included in the Corporate Scorecard. The CGNC reviews our impact strategy on a quarterly basis.

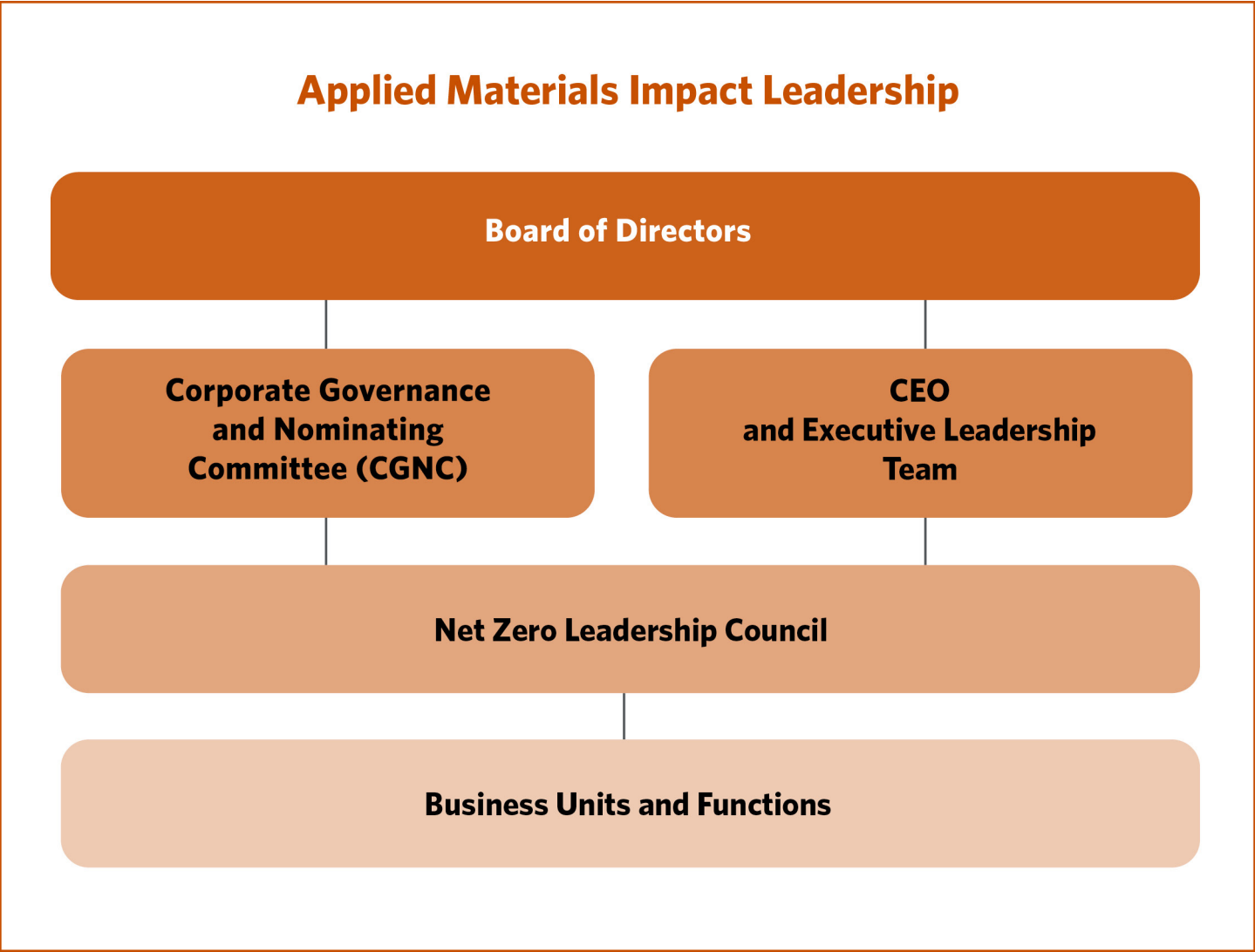
Progress toward our goals is a consideration in determining the annual bonus for Applied’s CEO and Executive Leadership Team.



For more information:

[Investor Relations](#)—Applied’s Corporate Governance Guidelines, Certificate of Incorporation, Bylaws, board committee charters and other governance frameworks

[2025 Proxy Statement](#)—Information on board and corporate governance policies and practices





Board and Executive Oversight

Strategy

Cross-functional Net Zero Leadership Council oversees implementation of our strategy

The Corporate Governance Nominating Committee (CGNC) receives quarterly in-person and written progress updates; reviews strategy

CEO and Executive Leadership Team receives quarterly progress updates via Corporate Scorecard

Progress reported to CEO and Executive Leadership Team via annual corporate strategic review process

Environmental, Health and Safety

CGNC receives quarterly progress updates

CGNC receives annual deep-dive EHS update

Supply Chain

Board reviews material supply chain issues

People and Workplace

Board’s Human Resources and Compensation Committee oversees corporate culture and human capital management programs

Community Engagement

The Applied Materials Foundation funds a majority of the combined Applied and Foundation community engagement and grantmaking activities

The Foundation is governed by its own Board and is audited annually by a third-party auditor

CGNC receives quarterly reports of Applied's and the Applied Foundation's charitable contributions

Global Ethics and Compliance

Applied is committed to demonstrating the highest ethical standards and fostering a world-class compliance culture. Our program focuses on ensuring that Applied is conducting business ethically, transparently and in compliance with the law everywhere we do business.

The Applied Materials Board Audit Committee, which is responsible for oversight of our compliance program, receives quarterly reports on key initiatives and indicators, including potential violations of law and company policies.

Our core compliance team sits within the Legal and Compliance Organization and is responsible for the day-to-day leadership and global execution of the program across four main areas:

- **Global Ethics and Compliance** – Oversees administration of our Standards of Business Conduct, Global Anti-Corruption Policy, Global Conflicts of Interest Policy, and Global Policy on Giving and Receiving Business Gifts, Meals, Entertainment and Travel
- **Global Trade** – Ensures compliance with all applicable laws and regulations related to sanctions, as well as the import and export of goods in every country in which we do business
- **Privacy and Data Governance** – Responsible for safeguarding the data of our employees and trusted business partners and ensuring compliance with rapidly evolving data laws, regulations and emerging technology
- **IP Risk Management** – Responsible for the operationalization of strategy, policy, processes and training to protect Applied's intellectual property, and for making Applied a safe choice for our global stakeholders



Engaging Our Employees

Every employee at Applied plays a role in helping the company to realize its core values. To help them do so, Global Ethics and Compliance provides practical, relevant and engaging training content to set expectations and enable our employees to make responsible business decisions.

The 2024 Global Compliance Awareness Month Campaign featured 31 live events in 18 cities and five micro-training videos with tips and lessons related to ethics and compliance, trade, privacy and intellectual property protection. More than 5,000 attendees participated in the live events and the content received more than 51,000 views online. We also successfully launched a new global Legal Compliance 101 training and achieved a 95% completion rate among employees.



In addition, we hosted Cybersecurity Awareness Month and Insider Risk and IP Protection Awareness campaigns to engage our employees globally in learning how to identify and appropriately respond to cyber risks.

Within our business units, nearly 70 designated Compliance Champions foster ethical practices and model compliance behavior. Compliance Champions ensure the use of IP protection best practices across our workforce through training and awareness, and serve as local contacts for employee questions and concerns.

Employees, customers and others can also access our 24-hour, anonymous toll-free [Ethics Helpline](#), which is also accessible via an online portal. In fiscal 2024, we received over 300 individual reports, tips and inquiries that were referred to our investigation teams, and substantiated reports led to various remedial actions, including employee and vendor terminations, as well as employee education, training and coaching.

Standards of Business Conduct

Our Standards of Business Conduct (SBC) and Standards of Business Conduct for Business Partners (SBC BP) outline the core values and compliance expectations for our global workforce and network of trusted partners, respectively. The SBC, available in 14 languages for employees, and the SBC BP, available in four languages for business partners, reinforce the uncompromising standards that lead our interactions and govern our operations.

Each year we ask our employees to certify their compliance with the SBC and repledge their commitment to leading with integrity.

Responsible Business Alliance Code of Conduct

Applied is a member of the Responsible Business Alliance (RBA), the world’s largest industry coalition dedicated to social responsibility in global supply chains. The RBA Code of Conduct provides standards related to labor, health and safety, environment, ethics and management systems, including responsible minerals sourcing.

Applied vendors and suppliers are required to comply with both Applied’s Standards of Business Conduct for Business Partners and the RBA Code of Conduct, and to acknowledge their compliance with these requirements annually.

See the [Human Rights section](#) for more information on our Responsible Manufacturing Program, which provides training on compliance with the RBA Code of Conduct within our manufacturing operations.

Ethics and Compliance Program Advancements

- Established an enterprise-wide Corporate Compliance Committee for improved executive oversight of regulatory compliance risks and to foster more streamlined collaboration across the company’s key compliance programs.
- Established regional compliance hubs in Korea, China and Singapore, led by senior-level compliance attorneys representing Global Ethics and Compliance, Global Trade, and Privacy and Data Governance, who are empowered to address local issues and concerns, as appropriate.
- Published multilingual versions of our Standards of Business Conduct for Business Partners, making this set of mandatory ethical standards for Applied’s business partners available in Chinese, Japanese and Korean, as well as English.
- Streamlined, automated and strengthened our processes for disposition of gift requests, conflict of interest disclosures and corporate donations.
- Revamped the methodology for assessing bribery-related risks.

We also conducted our biennial Ethical Culture and Compliance Perceptions Survey, which aims to review the effectiveness of our training, policies and program. More than 18,000 employees, globally, participated in the survey, representing a 53% participation rate. Overall, our company score improved, compared with 2022. More than 95% of respondents said they were familiar with the company’s Standards of Business Conduct and agree that it effectively conveys what is expected of employees.

Recognized Compliance Leader

Applied Materials was awarded Compliance Leader Verification by Ethisphere, an independent award recognizing our compliance program excellence. The Compliance Leader Verification process involves a rigorous review of an ethics and compliance program and corporate culture. It includes completing a questionnaire covering the elements of an effective program, benchmarking program practices against others in our industry, and extensive document review and interviews with executives and stakeholders.



[Standards of Business Conduct for Employees \(English and Alternative Languages\)](#)

[Standards of Business Conduct for Business Partners \(English and NEW Alternative Languages\)](#)

Cybersecurity and Data Protection

In a dynamic and evolving digital landscape, data and intellectual property (IP) security remains among our top strategic priorities. We devote robust resources toward protecting our IP and making Applied a safe choice for our global stakeholders. We maintain both defense-in-depth-based controls and the capacity for rapid detection and response.

Some of our efforts include maintaining detailed response procedures and escalation protocols, employing third-party auditors to help assure the effectiveness of internal controls, and providing robust training for our employees on how to recognize security threats. For example, we educate employees on cyber threats with mandatory information security and privacy training for all employees as part of their new-hire orientation and every two years thereafter.

In addition to ongoing cyber-awareness training and education, we host an annual Cybersecurity Awareness Month campaign to engage our employees globally in learning how to identify and appropriately respond to cyber risks. Our 2024 “Be Cyber Safe” campaign covered Applied security topics as well as personal security tips. The campaign featured various ways for employees to engage, which helped double the engagement level from our 2023 campaign.

Security topics included Threat Landscape, Labs, Field, Software, Engineering, Supply Chain, Business Continuity Planning, Building Secure Products and Case Studies.

Governance and Certifications

Our Chief Information Security Officer reports quarterly to the Audit Committee of our Board of Directors on our data and IP security programs, policies, controls, key risks and notable incidents. Notable cybersecurity incidents are also reported to the Audit Committee Chair promptly upon management becoming aware of their occurrence.

Applied’s Generative AI Task Force, established in 2023, has strategic oversight and broad business unit participation to explore business use cases, conduct security and privacy reviews, and implement necessary controls for this rapidly expanding technology. We partner with industry groups, government agencies and third-party experts to improve our controls.



Applied has undergone an assessment under the National Institute of Standards of Technology Cybersecurity Framework and continues to maintain one of the best BitSight security scores among our industry peers.

Forty-nine of our business-critical locations globally now hold [ISO/IEC 27001:2022 certification](#) for information security, aligning our data security management systems and

programs with global best practices. We engage third-party vendors to independently assess, proactively monitor and reduce attack surface risk, to provide an outside-in view of Applied's cybersecurity posture.

While we have not experienced a material information security incident in at least three years, we maintain a cybersecurity risk insurance policy as a matter of good practice.



Supply Chain Cybersecurity

Our commitment to data and IP security extends into our supply chain. We operate a Supply Chain Cybersecurity Program to increase awareness, assess and help improve supplier security controls, and mitigate risk to Applied.

The program is sponsored by our Global Supply Chain head and Chief Information Security Officer and is managed by a cross-functional team encompassing Global Supply Chain, AGS Commodity Business Management, Global Information Security, Information Security Risk Management, the Legal and Compliance Organization, and Global Sourcing and Procurement.

As part of the program, we engage suppliers during the onboarding process and subsequently on a risk and need basis for high-impact suppliers. In fiscal 2024, Applied completed its first on-site cybersecurity audit with one of our top 15 suppliers.

Applied is a member of the SEMI Manufacturing Cybersecurity Consortium and holds the chair position for three of the seven working groups, including Supply Chain Cybersecurity and Industry Standards. In 2024, the Consortium developed a draft of a standard cybersecurity questionnaire, with the aim to get 10 participating companies to adopt the questionnaire prior to SEMICON West in July 2025.

Intellectual Property Protection

We strongly believe that equipping our workforce and suppliers with knowledge about company requirements and best practices on IP protection is critical to safeguarding our innovations and that of our partners. Applied maintains a dedicated Valuable Intellectual Property (VIP) program to protect company, customer and supplier intellectual property through strategy, policy and awareness. The VIP program works with teams across our enterprise to identify and address lessons learned and strengthen controls that continue to protect IP.

In 2024, we increased workforce participation in our annual awareness campaign through training videos featuring leaders across various regions and groups, weekly quizzes, in-person events and micro-burst training on IP protection.

We also work closely with our suppliers to understand how they manage and protect Applied's IP. In fiscal 2024, we streamlined and automated our supplier assessments covering IP protection, privacy and cybersecurity practices. The results of the assessments will be used to identify risks, promote best practices throughout the supply chain and enable Applied to be a trusted business partner.

Data Privacy and Governance

Applied respects the privacy of all individuals with whom we communicate and interact. We recognize the importance that our employees and trusted business partners place on their personal information, and we take seriously our obligations to safeguard that data. We maintain a dedicated privacy and data protection team engaged in continuous improvement of our privacy and data governance programs to keep pace with rapidly evolving global data laws and regulations, as well as emerging technologies such as Generative AI.



See [Applied's Privacy Policy](#) for more information concerning our collection, use, storage and disclosure of personal information.

Environmental, Health and Safety

Health and safety are mission-critical priorities across our global operations. Our vision is to inspire a proactive environmental, health and safety (EHS) culture where every employee is engaged and cares for one another.

Our global EHS strategy is focused on maintaining a consistently high standard across our global operations, reducing our EHS risk profile and making a positive impact on our employees and in our communities through our world-class safety standards and practices.

We strive to create a culture of safety and ensure product compliance and business resiliency through embedding safe practices into our daily work.

At Applied, EHS includes Occupational Health and Safety, Product Safety, the Global Emergency Response Team and Business Continuity Planning. Our EHS Center of Excellence, made up of subject matter experts in environmental, industrial hygiene, safety and health, helps drive operational excellence and propel a proactive, safety-first culture to enable Applied to efficiently and effectively scale its workforce to meet growing market demand.

Operating Philosophy

We focus on actionable changes and shared responsibility, working together to drive excellence as a cohesive “One Applied” team with an aligned approach to environmental, health and safety. To this end, in fiscal 2024, Applied introduced a new EHS operating philosophy, the Human and Organizational Performance (HOP) Principles, which aim to foster an environment where every employee puts safety first and feels safe speaking out when they see something that does not meet our EHS standards.

We are training our leaders and the workforce on the HOP Principles and establishing learning teams in each region to focus on operational learning and to facilitate continuous safety improvements.

Goals and Progress

Annual Goal		
Goal	Status*	UN SDG
Maintain occupational health and safety total case incident rate (TCIR) of 0.40 or below	0.41 TCIR	8 DECENT WORK AND ECONOMIC GROWTH 

*Cumulative data for fiscal 2024

Applied is also working toward initiatives to prevent potential serious injuries/fatalities (PSIF) and toward the adoption of the American Society for Testing and Materials (ASTM) E2920 standard, which provides a uniform and objective framework for recording work-related injuries and illnesses across our global sites.

The standard covers both employees and contractors and establishes a basis for meaningful comparison across companies and geographies. In fiscal 2025, we expect to report work-related injuries and illnesses using the ASTM E2920 framework consistent with other international corporations and reflective of global reporting practices.

Integrated EHS Management

Our employees are required to report any environmental, health and safety incidents within 24 hours. To improve incident reporting and tracking processes, Applied introduced a new integrated EHS management software platform, Benchmark Gensuite® in 2024.

Gensuite's enhanced features and capabilities provide an intuitive user interface that makes it faster and easier for employees to report issues. The platform has improved organizational communications and resulted in more robust performance analytics and reporting.

Occupational Health and Safety

We are committed to complying with or exceeding all applicable and relevant regulatory requirements regarding the health and safety performance of our operations, processes and products.

We use the definitions set by the U.S. Department of Labor’s Occupational Safety and Health Administration for recordable, lost-time and restricted-day injuries. These definitions are implemented globally for data gathering and analysis through Gensuite, and we set both corporate- and site-level targets and objectives, which are embedded into annual performance objectives. These key safety metrics are made available to all business units on our safety performance dashboards. At the end of each year, we analyze the results and reset targets for the coming year.

Total Case Incident Rate (TCIR)

Total Case Incident Rate (TCIR) is a common method for reporting workplace injuries. It is defined as the number of work-related injuries per 100 full-time-equivalent (FTE) workers during a one-year period. Our TCIR has remained relatively flat across the past three years. In fiscal 2024, our TCIR of 0.41 significantly outperformed the industry benchmark of 0.60. Beginning in fiscal 2025, we will track and report this metric as Total Recordable Incident Rate (TRIR) to align with the standard Occupational Safety and Health Administration (OSHA) safety metric.



See Applied's Work-Related Injury Rates [here](#)

Also starting in fiscal 2025, we will transition our reporting of Lost Time Severity Rate (LTSR) to Lost Time Incident Rate (LTIR), a standard OSHA metric that measures how often incidents occur that lead to lost workdays. Injury severity will be assessed and reported according to ASTM E2920. These standardized metrics and guidelines provide greater consistency for reporting, measuring, evaluating and comparing safety performance across companies.

Product Safety

Applied develops and implements comprehensive product design, manufacturing, labeling and testing policies and programs to ensure our products meet relevant legal, industry and customer obligations.

Our product release process considers applicable obligations during the design phase. SEMI S2 addresses most of these obligations and is the design basis for our internal product specifications. Third-party assessments validate that our products meet applicable safety requirements.

Applied’s risk assessment process follows the applicable SEMI S10 Safety Guideline for Risk Assessment and Risk Evaluation Process on identifying, estimating and evaluating the lifecycle risks of our products. Our Product Safety group oversees the design of products and services, monitors safety during the product’s lifecycle, and drives compliance with our product safety policy and procedures.

In fiscal 2024, the Product Safety group focused on streamlining and simplifying our services, processes and methods to enable accelerated business growth while maintaining our relentless commitment to product safety.

Addressing PFAS in the Semiconductor Industry

As part of Applied's commitment to minimize the environmental impact of our operational footprint and supply chain, we have adopted a “PFAS Responsible” approach to addressing per- and polyfluoroalkyl substances.

Our PFAS Responsible approach starts with a like-for-like replacement from other suppliers to ensure business continuity, seeking PFAS substitutions that will reduce environmental impact or supply chain risk. We then look for non-PFAS substitutions where technically and commercially feasible, prioritizing where we can directly affect the supply chain, and work in collaboration with suppliers and manufacturers to ensure the most responsible use of PFAS.

Limited and responsible use of PFAS will require industry-wide collaboration. Applied is actively participating in industry groups that are sharing information about the use of PFAS throughout the semiconductor industry, including serving as a leading member of the SEMI PFAS Initiative.

For more information, please see Applied Materials' [Statement on PFAS](#).

Business Continuity Planning

Our Business Continuity Planning (BCP) team, part of our EHS organization, oversees the global BCP policy. The goal of BCP is to ensure the continuation of operations in the face of a technology impact, a human-made crisis or a natural disaster.

At Applied, all critical operations have Business Continuity Plans in place, which are reviewed, tested and certified by management annually. The BCP team supports business continuity plan creation and program implementations around the globe, with critical stakeholders ranging from country presidents to business unit executives and functional leaders.

Our Emergency Response Team (ERT), also part of EHS, serves as first responders to incidents, such as those involving gases, chemicals, illnesses and injuries. This allows Applied to quickly contain potential hazards and minimize impacts before they escalate into a crisis.

ERT and BCP teams are crucial for protecting Applied’s employees, facilities, business, brand and customer obligations, and to maintaining a competitive advantage. In addition, we also focus on maintaining regulatory compliance, security, and protecting current and future revenue streams in the event of a major disruption.

Awards and Recognitions

Applied Materials has been recognized for excellent occupational safety and health management by multiple customers and government entities, including the Shaanxi Province (China) Government, Micron, Kioxia and PSMC.

In addition, Applied’s Tainan Display Manufacturing Center and Lab was recognized by the Southern Taiwan Science Park Bureau, Ministry of Science and Technology, as an “Outstanding Unit in Promoting Workplace Safety and Health.”

Best-in-Class Product Safety

In May 2024, the Applied Materials Japan Product Safety Team received a Best-in-Class Product Safety award from Kioxia Corporation.

Public Policy

Applied participates in efforts to inform policymakers about issues and challenges critical to our company, our customers and our customers’ customers. We primarily focus on technology regulation, international trade, R&D, human resources and sustainability.

Some of the efforts in which we engage include:

- Working on policies, partnerships and R&D incentives to develop and advance next-generation technologies
- Consulting on reporting standards and advocating for interoperable global standards
- Advocating for international trade
- Advocating for STEM education and workforce development policies

United States

Applied continues to advocate for policies that advance funding and tax incentives to accelerate research and innovation across the semiconductor supply chain.

In 2024, Applied broke ground on building the world’s largest and most advanced facility for collaborative semiconductor process technology and manufacturing equipment R&D, the EPIC Center in California’s Silicon Valley. The EPIC Center is the heart of a high-velocity innovation platform designed to accelerate development and commercialization of the foundational technologies needed by the global semiconductor and computing industries, and is designed to be capable of engaging in public-private collaborative efforts.

In November 2024, a \$100 million U.S. federal research investment for advanced packaging technologies was announced. Applied is working in collaboration with others to develop and scale disruptive silicon-core substrate technology for next-generation advanced packaging and 3D heterogeneous integration to power energy-efficient AI and high-performance computing.



Rendering of EPIC Center in California's Silicon Valley

Europe

Applied continues to track the Corporate Sustainability Reporting Directive, the Corporate Sustainability Due Diligence Directive, and the Ecodesign for Sustainable Products Regulation, among other sustainability-related regulations. We engage, as appropriate, with the European Financial Reporting Advisory Group, which developed the European Sustainability Reporting Standards that guide disclosures pursuant to the Corporate Sustainability Reporting Directive.



India

Applied continues to engage with the Indian government as it aims to make India a global hub for semiconductors. In support of this vision, we are working to build greater collaboration between Applied’s engineers, suppliers and academia to enable end-to-end product development in India.

In fiscal 2024, Applied commissioned our India Validation Center in Bengaluru, which will serve as a first step to pilot, test and validate the viability of developing new products within the Indian ecosystem.

Additionally, design is underway for the Innovation Center for Semiconductor Manufacturing (ICSM), which we announced in 2023. The ICSM will be a product development center that serves as a catalyst for supplier innovation, as well as training and development for future semiconductor talent. The center will also help create new opportunities to expand India’s role in the global chip ecosystem.

In August 2024, Applied signed a Memorandum of Understanding with the Tamil Nadu government to establish a Center of Excellence in AI and Data Science for Semiconductor Manufacturing and Equipment. The Center will work with local universities and industry partners to help develop skilled talent and strengthen the semiconductor ecosystem in Tamil Nadu.

In September 2024, Applied Materials India Private Limited, a subsidiary of Applied Materials, Inc., launched a new initiative to foster innovation and education in semiconductor equipment, the Applied Semiconductor Collaboration in Engineering and Technology initiative (ASCENT). ASCENT will be an annual event that invites researchers from selected universities to collaborate with Applied Materials India engineers to enhance innovation across seven areas of research: power, materials, chemical delivery, sensors, vacuum components, automation and sustainability.



Recognized for Excellence

Diamond Winner for the Top Industry Excelling in the 1st Confederation of Indian Industry (CII) Industry-Academia Partnership Awards 2024.

Project of the Year and Team of the Year for CSR, 12th edition Corporate Social Responsibility Summit & Awards 2024, Bengaluru

China

In October 2024, in conjunction with the celebration of Applied Materials China's 40th anniversary, CEO Gary Dickerson and other senior leaders hosted Chairman Guo Yiwu of the Shanghai IC Association and Board Chairman Liu Ying of the Zhangjiang Hi-Tech Group with a preview of Applied Materials China's newest office building in Shanghai.

The new building reflects the company's efforts to create a healthy and comfortable working environment for our employees and supports our commitment to sustainable development.

Singapore

In 2024, Gary Dickerson, CEO, was presented with the Public Service Star (Distinguished Friends of Singapore) award by Tharman Shanmugaratnam, President of the Republic of Singapore, for outstanding contributions to the economic growth of Singapore and for his strong partnership with the region’s dynamic semiconductor industry.

Our CEO also met with Deputy Prime Minister and Minister for Trade and Industry Gan Kim Yong, who is also the Singapore Economic Development Board (EDB) Chairman. Applied is one of 11 strategic partners of the Singapore Leaders Network (SGLN), an initiative of the EDB that is managed by the Human Capital Leadership Institute, focused on preparing Singaporeans for global leadership roles.



Gan Kim Yong, Deputy Prime Minister and Minister for Trade and Industry of Singapore and Gary Dickerson, Applied Materials President and CEO

Taiwan

Applied signed a Letter of Intent with the Taiwan Ministry of Economic Affairs in September 2024, reinforcing our commitment to long-term business relationships and toward strengthening our collaboration with customers and ecosystem partners in Taiwan and globally.

Also in Taiwan, Applied received a three-year Authorized Economic Operator (AEO) Certification extension from Kaohsiung Customs, Ministry of Finance. This internationally recognized certification was first granted to Applied in 2015. Recertification solidifies our trusted partnership with the customs authority and enables continued efficient customs clearance.

Business and Trade Associations

Applied maintains memberships in various business and trade associations that advance issues aligned with our corporate strategy and the needs of our company, industry, employees and communities. Our membership in a group does not imply that we endorse the entirety of that group’s policy positions.

In 2024, Applied paid approximately \$925,000 in trade association membership dues, of which 20% were specified by the associations as non-deductible lobbying expenditures. This total does not include conference or event sponsorships, programming activities or similar costs.

Applied reports on federal lobbying through the U.S. Lobbying Disclosure Act Database and files periodic reports with federal and state agencies, as appropriate.



Find more information on our business and trade association members and federal lobbying:

[2024 U.S. Trade, Business and Civic Associations membership list](#)

[2024 Federal Lobbying Expenditures](#)

Political Contributions

The Applied Materials Political Action Committee (AMPAC) contributes to federal candidates, political action committees and party committees supporting issues of strategic importance to Applied, consistent with all legal requirements. Our State Contributions Committee oversees corporate political spending to advance strategic issues at the state and local levels.

AMPAC contributions are funded entirely from contributions made by eligible employees. Applied pays only the administrative expenses for AMPAC.

AMPAC’s activities and contributions are overseen, reviewed and approved by the AMPAC Board of Directors. Contributions are based solely on corporate objectives without regard to the private political preferences of either committee members or the employees who contribute to AMPAC.

During 2024, political contributions made by AMPAC totaled \$45,400. Applied Materials made no financial contributions to political parties, candidates or related institutions in 2024.



Find more details on Applied’s political donation policies, mechanisms and compliance practices:

[Annual Political Contributions Report](#)

[Political Contributions and Activity Report](#)

Empowering People

- 2024 Highlights
- Connected Coworkers
- Human Rights
- Community Impact



Accelerating the material engineering solutions that enable tectonic shifts in technology requires that we have skilled, mission-focused people empowered to operate at their full potential and as a cohesive team.

At Applied, we cultivate a connected and collaborative culture where every person feels a sense of belonging and has access to continuous development and growth. We invest in developing the most capable managers and leaders to drive cross-company efficiency and inspire exceptional results from a winning team.

We hold ourselves and our partners accountable to uphold human rights principles that enable everyone in our global workforce and supply chain to live and work with dignity, respect, safety and

independence. Our commitment is formalized in our [Human Rights Statement of Principles](#), and implemented and governed through our Responsible Manufacturing Program.

Leaning into our core values to lead with responsibility and integrity, Applied and the Applied Materials Foundation support pathways that empower people to learn, grow and thrive, and strengthen the vitality and resilience of our local communities and the environment.

2024 Highlights



Launched new intensive training programs for senior leaders and managers to optimize collaboration and performance



Began conducting third-party supplier audits to the RBA audit protocol in sub-tier supplier facilities



Standardized global hiring process to drive greater consistency and fairness



Applied and the Applied Foundation awarded \$14.5 million in strategic grants



Expanded the breadth and reach of our apprenticeship program and graduated our first classes of process technicians and assemblers



Supported 109 Applied Momentum Fund™ scholars



Aligned relevant internal policies and statements with Responsible Business Alliance (RBA) Code of Conduct Version 8.0



Improved employee volunteer tracking processes to better capture volunteer and engagement activity

Connected Coworkers

Applied is committed to attracting and retaining the best talent from everywhere. Bringing together a broad mix of perspectives, skills and experiences ignites innovation and enables more sustainable, long-term growth for Applied and our partners.

We know that employees who feel trusted, valued and respected are more engaged and motivated.

We anchor our talent strategy in three priorities:

- **Building a connected and highly engaged culture** where everyone feels a sense of belonging and is fully empowered to realize their potential
- **Enabling high-performance employees** with pathways for individuals to continuously uplevel their skills and grow in their career at Applied
- **Advancing capable leadership at all levels** to model, coach and inspire world-class collaboration and innovation

As we scale our global workforce, we aim to translate company growth into career growth for our employees.

Winning Team

Applied remains focused on ensuring we maintain an environment where everyone can realize their full potential and have access to opportunities based on their contributions.

Applied’s culture reflects our values—where innovation, integrity and mutual respect are the foundation that drives our company’s success. And being part of a winning team means we achieve great results together in an environment where all of us are connected and our unique perspectives are sought.

Because we are a global business that works at the cutting edge of technology, we must attract, develop and retain the brightest minds in our industry. We rely on—and value—contributions from everyone because that’s the source of our innovation, high-performance and world-class solutions.



Expanding Our Base

Applied’s total global workforce has grown about 23% since 2021. Across men and women, our global voluntary turnover rate has decreased 2.7 percentage points compared with 2021. This indicates progress toward our desire not only to attract the top talent globally but to create a culture where everyone feels respected and motivated to grow their careers at Applied.

23%

Applied’s total global workforce has grown since 2021



Employee Engagement

All Applied employees are invited to join our Employee Resource Groups (ERGs), where members create a unique sense of belonging. These groups enable our employee members to connect with other employees, drive business impact and contribute to the community beyond Applied. Events and activities offered by ERGs are open to all.

Applied has 10 ERGs, with 35 chapters globally—in nearly every country where we do business. We encourage employees to participate in as many ERGs as they would like, to strengthen connections across their areas of interest and passion. Applied’s ERGs are dedicated to creating a lasting business impact. They also work together, and across our global sites, to produce integrated activities for employees to experience throughout the year, which helps drive a thriving on-campus culture.



Explore: [Employee Resource Groups](#)

Recruiting and Hiring

Applied is continually improving our talent processes to strengthen cross-company growth and meet market needs. In fiscal 2024, we standardized our global hiring processes, including implementing more structured interviews, to drive greater consistency and fairness for potential employees and managers, and to increase efficiency across our worldwide organization.

We also launched a new AI-enabled platform for job seekers on the [Applied Careers website](#) to better match open opportunities across Applied with applicant skills and experience. The platform provides potential employees with greater visibility to all relevant openings worldwide.

We utilize new sourcing channels and programmatic approaches to increase our ability to hire the best talent, and we actively participate in industry and campus recruiting and community events to expand our talent pools.

Emerging Talent Programs

Applied is committed to attracting, recruiting and inspiring the next generation of leaders who will bring bold creativity, fresh perspectives and innovative solutions to shape the future of our industry.

Through our emerging talent programs, we are working to connect students, U.S. veterans and active-duty military, and others seeking new technical career opportunities, with roles at Applied. For example:

- Our global university and community college programs are built on a cohesive strategy that aligns our school engagements, internships and new college graduate hiring.
- Our apprenticeship programs support the development of new technical talent and are registered and approved by the U.S. Department of Labor and Taiwan’s Ministry of Education.
- Our established U.S. military and veteran programs have earned Applied broad recognition as a military-friendly employer. We continue to grow these programs, including working toward helping military service members gain civilian work experience before they leave active duty.



New College Graduates and Internships

Applied welcomes about 1,000 recent college graduates and interns globally into our university and college programs each year.

Through our New College Graduate programs, we empower new talent to arrive in their positions trained and ready to contribute. We encourage their engagement across the Applied community and support them in building connections outside of their organization to improve cross-company collaboration. Over the past year, we have streamlined and strengthened our onboarding processes and learning programs to ensure these new college graduates have a positive experience as they transition from student life to a career at Applied.

Our New College Graduate programs are designed with two tracks: new employees go 1) directly into a position and begin quarterly training; or 2) into an intensive multi-month training and development program focused on engineering, manufacturing and supply chain.

All the New College Graduate programs provide hands-on experience to put theories into practice and build professional skills, including teamwork and communication. Throughout the program, new college graduates gain an understanding of Applied’s culture, values and mission, and have opportunities to engage with executive leadership within their organization.

Applied offers a wide range of internship positions across the globe for qualified students in both technical and business areas. Intern experiences in the U.S., Europe and Asia range in length from two to five months and are supported with deep business engagement.

In 2024, Applied strengthened our internship program to help students better understand the semiconductor industry and their role in it.

Apprenticeships

Applied has a strong and growing apprenticeship program. We expanded our U.S. Department of Labor-registered apprenticeship program from two groups in 2023 to four groups in 2024. The program, provided in collaboration with government entities, colleges and other companies, supports the development of technical talent for the semiconductor industry.

The program is open to all applicants. Program participants come from a variety of backgrounds, experiences and perspectives.

In November 2024, the first class of assemblers graduated from the program, and in December 2024, the first class of process technicians graduated after completing two years of college course work and on-the-job training with mentors and managers.

Building on the success of the program in the U.S., Applied plans to expand the apprenticeship program to Taiwan in 2025.

U.S. Military and Veterans

Applied has a strong record as a destination employer for U.S. veterans. Veterans bring a unique combination of experience, skills, leadership and discipline that enables them to thrive in the dynamic semiconductor industry.

Each year, the number of veterans employed at Applied grows, yet there are opportunities to attract an even larger share of this skilled talent pool to our company and industry. To this end, we are expanding our veteran outreach efforts.

Further, Applied is now certified by the U.S. Department of Defense SkillBridge program to host current active-duty military service members in civilian positions so that they may gain civilian work experience before they leave active duty. We anticipate hosting active-duty military service members in 2025.

In 2024, Applied was recognized as Vet Friendly by *U.S. Veterans Magazine*, ranked as a Best for Vets 2024 Employer by *Military Times*, received a Bronze Award from Military Friendly® and is a Recognized Employer from VETS Indexes.

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Read more: [Applied Careers for Veterans](#)

🔗

Learn more: [Applied Internship Program](#)



Employee Benefits

Applied offers a suite of health and wellness benefits to support our employees’ and their families’ physical, emotional and financial health.

Our Total Rewards philosophy is based on offering competitive benefits, compensation and recognition opportunities to all employees in each market. While benefits differ based on employee priorities, needs and requirements in different geographies, our Total Rewards

team ensures fairness across our employee benefit offerings.

In fiscal 2024, Applied enhanced its dedicated country benefits websites to more clearly communicate the benefits available to employees and their families as well as how they can participate. These country benefit sites are available on an [external website](#) (outside the Applied network), making the information accessible to employees and their families, as well as to prospective Applied employees.



Promoting Health and Wellness

Globally, Applied is focused on promoting wellness and supporting mental health. For example, at our offices in Bengaluru, Mumbai and Chennai, India, we hosted “Wellness Week” events in September 2024 to focus attention on employee wellbeing and foster connections in our rapidly growing and evolving work environment. The week-long localized events included sessions on emotional, physical, social and financial wellness, all tailored to address the needs of our employees.

Wellness Week Bengaluru also featured an HR Carnival to boost awareness among employees of key human resource offerings, including the range of benefits supporting our employees during various life stages.

Applied also hosted a series of in-person activities across U.S. locations in 2024, as well as virtual webinars to help employees learn more about their benefits and take steps to improve their physical, emotional and financial wellness.

Some specific health and wellness advancements in the U.S. include:

- Applied increased its contribution to Health Savings Accounts by 50% in 2024, providing single employees who elect employee-only coverage with a \$375–\$750 annual contribution, and employees who elect coverage with dependents a \$750–\$1,500 annual contribution. A Health Savings Account can be used to pay for eligible health care expenses.

- The reimbursement limit for Applied’s Lifestyle Account increased from 50% to 100% (up to \$500) in its second year of offering. The Lifestyle Account benefit provides flexible support to employees that can be used toward a variety of eligible expenses that are most relevant to the employee, such as gym membership, cooking classes, hobbies, sports lessons, weight loss programs and fitness trackers. The Lifestyle Account is currently available to all full-time Applied employees in the U.S.

Learning and Development

Through our robust learning and development programs, Applied is developing leaders and high-performing teams that drive innovation and delivery of materials engineering solutions at scale.

We launched a series of new intensive training programs for senior leaders and managers in fiscal 2024, including:

- Managing Director and Vice President Development Program**, a 12-month learning journey that takes senior leaders from self-awareness through action learning to help strengthen enterprise thinking and collaboration across organizations; envision and set direction; and shape a collaborative and connected culture. Applied conducted two cohorts in fiscal 2024, with 61 participants committing to 120 hours of training.

Total Learning Hours*

2,036,618

Average Training Hours per Person

41

*Additional learning details are available in the [Data and Disclosures section](#).

- **Director and Senior Director Development Program** enables participants to grow organizational capability, drive productivity and inspire an engaged workplace. This 11-month development journey includes interactive deep dives, action learning and networking opportunities across the enterprise. There were four cohorts in fiscal 2024, with 131 leaders participating, representing 13 countries, each committing to over 80 hours of training.
- **Manager Excellence** program is designed to take managers on a journey from self-awareness to creating space for others to grow, optimizing team performance, and inspiring engagement and collaboration. It includes an in-person cohort, peer-coaching sessions and action-learning experiences. In fiscal 2024, 590 managers completed this development program.
- **Manager Essentials** training is designed to help new managers understand the programs, processes, tools and systems to support managing employees throughout their careers at Applied. In fiscal 2024, 368 new managers completed the program.

Employee Learning and Development

Employees are empowered to grow in their careers at Applied with access to continuous learning and development programs and resources to improve technical skills, professional capabilities and business acumen. All training is aligned to common objectives and coordinated centrally through the Applied Global University (AGU).

From day one, new employees receive strong onboarding, training, mentorship, resources and opportunities to build connections, facilitating quicker integration into their teams. In fiscal 2024, Applied launched an eight-session pilot program in the U.S. to support new employees, which was well received and will be scaled in 2025.

The PATHWAY Personalized Employee Development program allows employees to tailor their learning journey for career growth. In fiscal 2024, 92% of eligible employees selected a PATHWAY skill goal, marking an increase of 14% since its launch in 2022. Of those who selected a goal, 77% successfully completed at least one skill goal.

A key component of the PATHWAY program is the role-based curriculum, developed by Applied subject matter experts and AGU's Learning and Development team, ensuring the foundational knowledge and skills needed for an employee's current job role. Eligible employees must

complete 40 hours of training annually, selecting courses carefully curated for them and aligned with nine critical Applied skills. The PATHWAY platform offers course ratings and levels to assist employees in choosing suitable courses to fit their learning needs.

Applied maintains an uncompromising commitment to quality, and we work to ensure every employee recognizes the importance of this standard in their role and demonstrates a personal commitment to upholding quality principles in their daily job functions. Our enterprise-wide training, "Commitment to Quality," fosters growth in our employees and leads to products that exceed our customers' expectations. In fiscal 2024, 26,400 employees (about 80%) completed this training, and 86% completed role-based quality learning, up 8% from 2023.

For manufacturing employees and emerging leaders, Applied offers upskilling programs like the on-site Technician Upskilling Program, supported by a Texas Workforce Commission grant in 2024. This program enables manufacturing employees to earn college credits during work hours.

Applied also creates and delivers programs to address local needs, such as a job rotation program in Asia Pacific. This program provides employees in the region with opportunities to learn new skills, expand their career opportunities, build connections and strengthen cooperation across the organization.



Strengthening Proficiency in the Field

To support and improve the efficiency and effectiveness of training for our field service organization, we established the Enhanced Knowledge Delivery (EKD) program. This program combines on-demand lessons, group learning sessions and assessments, utilizing the latest training theories and neuroscience research to promote learning and retention. The EKD program won the “Outstanding New Training Initiative Award” by *Training Magazine* in 2024. Through fiscal 2024, approximately 950 engineers completed EKD training, improving average labor hours by 11%.

Applied’s Field Time to Proficiency Program evaluates the performance of the field service organization, measuring product-level proficiency, new hire time to proficiency, and upskilling priorities and progress. The program uses an automated proficiency scoring system from corrective maintenance activities. This automated system enables managers and leadership to gauge progress, address skill gaps and improve proficiency across the organization. In fiscal 2024, the program reduced time to proficiency by 5%, and the upskilling program achieved more than 100,000 hours saved through targeted training.

In 2024, for the first time in five years, Applied hosted an in-person Field Team Conference. More than 1,200 field process engineers, customer engineers and members of the sales teams, business units and executive leaders came together to connect, learn and collaborate.



Recognized for Excellence

Training Magazine ranked Applied Materials #2 on its [2025 Training APEX Awards](#) for excellence in employee training and development.

Certification Programs

As we aim to be a Most Valued Partner, Applied offers certifications for select roles, such as the Supplier Performance and Capability Assessment Certification for employees serving in the role of supplier assessors. The certification is earned by employees who demonstrate the qualification requirements and possess the necessary skills, training, knowledge and competence to perform and manage assessments of Applied’s suppliers. Sixty-two employees acquired the Supplier Performance and Capability Assessment Certification in 2024.

In addition, Applied has an Audit Academy, which establishes the best practices for auditor training and certification, as well as supporting processes, methods and tools for auditing. Twenty-one certified auditors graduated from the academy in 2024.

For our field service engineers, we established a Multi-Level Certification process to assess knowledge and conduct performance assessments to validate that engineers have the necessary skills and abilities to successfully perform system installations and maintenance at customer sites around the world. Applied Global Services–Training Services perform the certifications. Digital credentials are created for each of five certification levels, from preventative maintenance to specialists and advanced services to ensure Applied’s engineers are qualified to safely and effectively perform at each level they support. This certified network of experts enables Applied to offer differentiated services to our customers.

Recognized as a Top Employer



- U.S. Veterans Magazine – Vet Friendly
- Military Friendly – Bronze Award
- VETS Indexes – Recognized Employer
- *The Military Times* – Best for Vets Employers
- Equality 100, Human Rights Campaign Foundation's Corporate Equality Index
- Best Places to Work, Glassdoor
- 51 Job, The Employer Excellence of China – Excellence in Women's Leadership Development
- China’s Top Graduate Employer
- Great Place to Work Certified – China, India, Japan, Singapore
- Indeed – Japan Annual Hiring Award
- Korea’s Best Employer – Ministry of Employment and Labor
- Best Workplace for Millennials, Korea
- Best Workplaces™ – Korea, Taiwan
- *Strait Times* Best Employer Award, Singapore
- Taiwan National Talent Development Award – #1 Large Companies
- Taiwan ESG Awards Talent Sustainability – #1 International Companies

Human Rights

We are committed to protecting human rights wherever we do business and have formalized our intent in Applied’s Human Rights Statement of Principles. [Read Statement](#)

- Our commitment is detailed in various company and industry policies and statements, including:
- [Applied’s Standards of Business Conduct \(SBC\) for Employees and Business Partners](#)
 - [Applied’s Responsible Minerals Sourcing Policy](#)
 - [Responsible Business Alliance \(RBA\) Code of Conduct, Version 8.0](#)
 - [Applied’s position on the California Transparency in Supply Chains Act.](#)

Applied Workers

We strive to maintain a workplace that is free of discrimination, harassment and retaliation, and reinforce this expectation in our Human Rights Statement of Principles and Standards of Business Conduct. Employees who know or suspect that they or someone else have experienced discrimination or harassment are encouraged to report it immediately, without fear of retaliation, to their manager or through

Human Resources or the Legal and Compliance Organization, as outlined in the Standards of Business Conduct. Employees may also anonymously report concerns through the [Ethics Helpline](#).

Responsible Manufacturing Program

Our Responsible Manufacturing Program implements human rights governance across our manufacturing operations to comply with our Human Rights Statement of Principles and the RBA Code of Conduct. The program focuses on internal operations across Applied’s manufacturing and R&D sites.

Our Responsible Manufacturing Program assesses Applied’s manufacturing and R&D operations across key areas, including labor, health and safety, environment, ethics, and management systems. The program also provides training on the RBA Code of Conduct requirements and helps prepare sites for an RBA Validated Assessment Program (VAP) audit.



Some of the Responsible Manufacturing Program outcomes in fiscal 2024 include:

- Applied Singapore underwent an RBA VAP audit and is implementing a corrective action plan.
- Following an internal assessment at our Austin site in fiscal 2023, Applied installed time clocks at a majority of our U.S.-based manufacturing sites (and plan to complete installation across the U.S. sites in 2025) to enable better tracking of hours worked and compliance with the RBA working hours requirement.
- Applied updated relevant internal policies and statements to ensure alignment with Version 8.0 of the RBA Code of Conduct, released January 1, 2024.
- Core subject matter experts at each major manufacturing location were trained on the RBA Code of Conduct.

Responsibility of All

Ensuring the protection of human rights is the shared responsibility of everyone who works with and at Applied. Upholding our Human Rights Statement of Principles is fundamental to how we operate as a company and is also expected of our business partners.

See how we deliver on these principles as we work to power sustainable growth:

- [Winning Team](#)
- [Environmental, Health and Safety](#)
- [Employee Benefits](#)
- [Global Ethics and Compliance](#)
- [Learning and Development](#)
- [Pay Fairness](#)
- [Recruiting and Hiring](#)
- [Supply Chain Responsibility](#)

Pay Fairness

Applied is committed to compensating our employees fairly. To that end, we have structured our compensation program so that employees’ pay is based on relevant factors, such as employment role, organizational level and geographic location, and not on demographics.

To confirm that we live up to this goal of fair pay, we have engaged an independent third party to calculate pay ratios comparing compensation for Applied employees, both globally and in the U.S. In each instance, the ratio is based on total compensation, which reflects the sum of an employee’s base salary, any cash bonus and any stock award. The ratios compare compensation for employees who were in a similar role, level and location for fiscal 2024:

- Total compensation for women globally was 99% of total compensation for men.
- Total compensation for women in the U.S. was 100% of total compensation for men.
- Total compensation for racial or ethnic minorities in the U.S. was 101% of total compensation for non-minorities.

We will continue monitoring our compensation practices and provide information about Applied’s pay fairness efforts in future Impact Reports.

Goals and Progress

SuCCESS2030		
Goal	Status*	UN SDG
Drive compliance with RBA Code of Conduct and Applied Materials Standards of Business Conduct	Conducted 112 supplier audits, including 76 initial audits and 36 closure audits	5 GENDER EQUALITY 10 REDUCED INEQUALITIES

*Cumulative data for fiscal 2024

Supply Chain Responsibility

Supply Chain Certification for Environmental and Social Sustainability (SuCCESS2030) is our 10-year roadmap for creating a more sustainable supply chain. The effort builds on our foundation of supporting ethical labor practices, environmentally responsible operations, responsible minerals sourcing and international human rights standards.

We hold our supply chain partners to the same high standards as we hold ourselves. Through SuCCESS2030, our assessments of supplier performance and capabilities require shared commitments across core focus areas—including environmental impact and labor practices—most of which include defined performance targets.

Supplier sustainability requirements are integrated into our Global Supplier Agreements and other agreements with direct and indirect suppliers. These requirements are also included in the terms and conditions for logistics suppliers and purchase order transactions, and are enumerated in our most used agreements for indirect services. Our SuCCESS2030 Office oversees metrics and compliance audits, and conducts training and coordination with participating suppliers.

Recognized for Supplier Excellence

Applied earned Intel’s 2024 EPIC Distinguished Supplier Award for dedication to Excellence, Partnership, Inclusion and Continuous (EPIC) quality improvement. The Intel EPIC Distinguished Supplier Award is the second-highest honor an Intel supplier can achieve. In 2024, only 27 suppliers in the Intel supply chain network earned this award.



Supplier Audits, Risk Assessment and Remediation

To best assess the working conditions of the employees within our supplier factories when conducting third-party audits, Applied leverages the Responsible Business Alliance (RBA) audit protocol, which assesses labor and working conditions, environment, health and safety programs and practices, and ethics compliance. The assessments include worker interviews, which are not recorded and must be conducted without management present.

With thousands of supplier factories around the world, for our on-site supplier audits we prioritize supplier sites based on spend as well as medium- to high-risk sites, according to country risk, as assessed using the RBA Risk Assessment tool. New in fiscal 2024, we also began conducting third-party audits in sub-tier supplier facilities.

Once the audit is completed and the findings are agreed upon, the suppliers work with our SuCCESS2030 team to close the findings. Suppliers are required to close their priority and major findings within the recommended RBA timeline through additional on-site, third-party audits.

Potential Applied suppliers must participate in a shorter, second-party audit by an Applied engineer who has successfully completed the RBA auditor course. Any identified gaps must be closed to qualify as an Applied supplier.

Capability Building

Applied offers a structured program of webinars, trainings and assistance to help our suppliers close any gaps across our sustainability focus areas, including responsible factories, sourcing and product compliance. We also offer suppliers the option to oversee their sub-tier programs, such as executing their RBA audit programs.

Our SuCCESS2030 Office meets annually with each tier-1 supplier to review requirements and answer questions, and suppliers can schedule additional time to meet with the head of SuCCESS2030.

Responsible Minerals Sourcing

Applied Materials is committed to the responsible sourcing of minerals used in our products. Key to this commitment is our policy around tantalum, tin, tungsten and gold (3TG). For more than five years, Applied has worked with third-party service providers to assist in conducting supplier outreach and evaluation regarding use of 3TG in products furnished to Applied.

Applied is a member of the Responsible Minerals Initiative (RMI), and we work to ensure that our suppliers conform with Responsible Minerals Assurance Process (RMAP) standards. Our SuCCESS2030 team works directly with smelters or refiners to ensure their continued participation in the RMI RMAP program.

Our SuCCESS2030 lead is a co-chair of the RMI Smelter Engagement Team (SET), which oversees the different smelter engagement teams. Three Applied employees serve in a voluntary capacity on the SET, and a SuCCESS2030 program manager leads a second-level SET team, which oversees re-audits by smelters and refiners to maintain the RMAP conformance rate.

In addition to 3TG, we also collect data on cobalt and, in fiscal 2024, began due diligence for aluminum, steel and iron.

Supply Chain Fairness

All suppliers, regardless of certification or ownership status, must meet the same procurement standards and are judged and selected based on the merit of their proposals. In addition, all suppliers participate in the same audits and go through the same rigorous onboarding process. There is no special consideration or weighting based on ownership or diverse supplier status.



See: [Applied Materials Conflict Minerals Report](#)

Community Impact

We invest in our communities to make a lasting and material impact. Supported through funding from Applied Materials and the Applied Materials Foundation, we prioritize issues, programs and initiatives that matter to our employees and the community and align with who we are and what we stand for as a company.

Through a combination of strategic grantmaking, focused employee engagement campaigns, and programs to strengthen pathways to technology careers, we are increasing connections among our employees and the communities where we work and live.

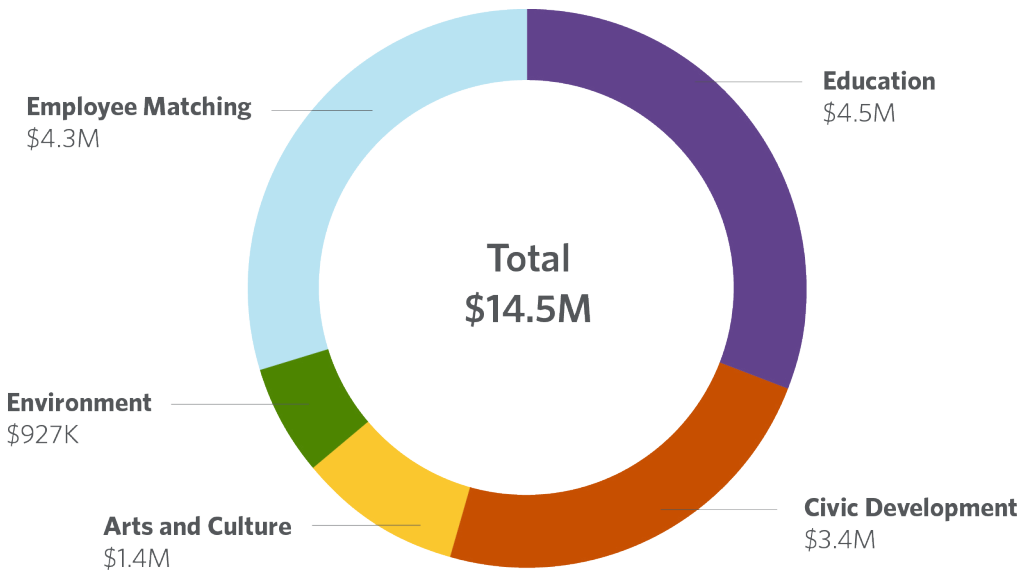
Investing for Positive Impact

We support the advancement of thriving, educated, creative and sustainable communities through our strategic community investments. We prioritize programs that address local learning challenges, enable educator professional development, and prepare students for every stage of the learning journey; programs that advance environmental education and stewardship; and programs that build stronger connections, resilience and vibrancy in our communities.



See: [Grants awarded by Applied and the Foundation in fiscal 2024.](#)

Fiscal 2024 Community Impact Support



Strategic Grantmaking

\$14.5M
in grants from Applied and the Foundation

11
total number of countries, including the U.S.

320
total grant recipients

30%
of total investments directed by Employee Matching and Time Grants

Employee Engagement

17,960
total number of volunteer hours



Local Engagement, Global Scale

Connecting employees through shared experiences strengthens employee satisfaction and retention.

From their first days at Applied, U.S.-based Applied employees are introduced to our Community Impact programs through a new orientation giving activity, and provided with grant funding to donate to their nonprofit of choice. All new employees are invited and encouraged to participate in local community service activities.

Across the globe, Applied Giving offers full-time employees up to \$3,000 in matching funds per year to support eligible charitable organizations and schools, and \$100 Volunteer Time Grants for every 10 volunteer hours with an eligible charitable organization or school, per calendar quarter.

Applied and the Foundation support two global employee engagement campaigns each year, Fight Against Hunger and EarthWorks, which help build connections, collaboration and community across Applied, while driving local impact where we live and work.

Fight Against Hunger

Food security is one of the most urgent needs facing people in communities around the world and is foundational to building resilient communities. Beginning in North America more than 30 years ago, Applied's annual Fight Against Hunger campaign works to alleviate hunger and has grown to become one of our largest global employee engagement programs. Each November, our employee teams and leaders coordinate events and activities to address

food security, including donation drives, on-site and food bank volunteering, informational games and friendly competitions.

In fiscal 2024, North America employee donations and a match from the Foundation totaled more than \$3.3 million, supporting 58 food banks across the U.S. and Canada.

Globally, the Fight Against Hunger campaign engaged employees from 11 countries in 2024 to support increased food security through actions that are most relevant to local community needs, including collecting contributions for food and distribution in Taiwan, Korea and Greece, raising funds through a running event in France and a cricket match in India, and packing and delivering food boxes in China, Israel and Korea.



Learn more: [2024 Fight Against Hunger Campaign](#).

EarthWorks

More than 2,500 Applied employees participated in the EarthWorks environmental campaign in spring 2024. The Foundation provided funds to One Tree Planted to plant a tree in recognition of each participant.

Throughout the annual campaign, which runs April through June, Applied employees worldwide come together to explore the natural world and inspire action for environmental progress.

Some of the ways employees advanced impact through the 2024 EarthWorks campaign included:

- Teaming up to bike to work
- Learning gardening skills, including hydroponics
- Planting trees
- Picking up trash along waterways and landscapes
- Assembling educational kits to inspire children's curiosity about nature



Learn more: [2024 EarthWorks Campaign](#)



Follow our Community Impact updates on [LinkedIn](#)

Recognized for Community Support

- San Francisco Business Times' Top 100 Corporate Philanthropists
- Silicon Valley Business Journal: Ranked 4th in Corporate Philanthropy based on cash contributed to Silicon Valley charities
- Nonprofit Ally Award from Silicon Valley Council of Nonprofits
- Sunnyvale Community Services Partner Award
- Sunnyvale Chamber of Commerce Large Business of the Year Award
- ASSOCHAM CSR & Sustainability Awards, India, runner-up in the "Excellence in Providing Livelihood to Local Community" category



Empowering STEM Education

To power the future and support the next generation of leaders and innovators, Applied and the Foundation invest in education-focused organizations and programs, including those that broaden exposure to, and support for,

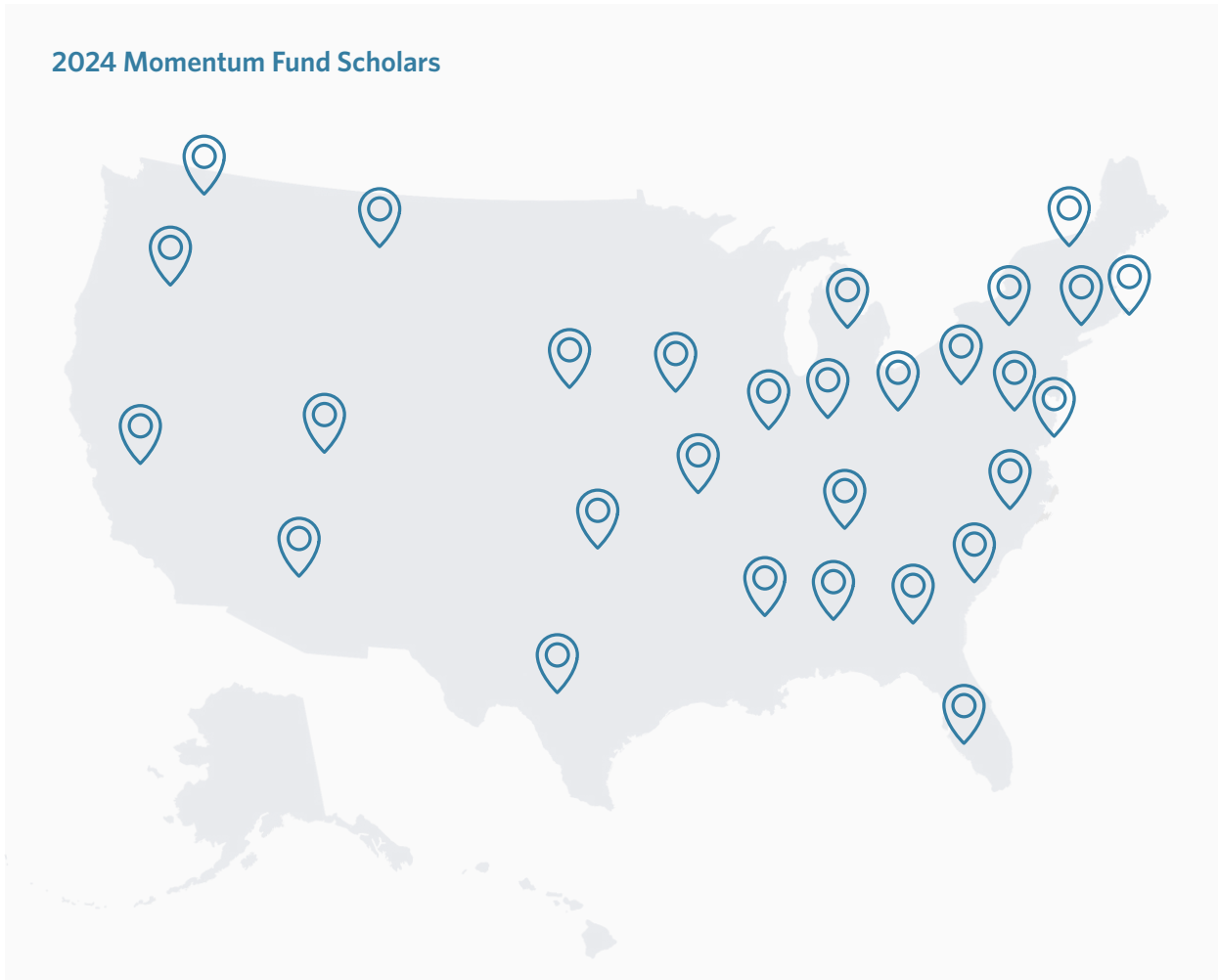
careers in science, technology, engineering and math (STEM) fields. About a third of our total community impact investment is focused in education, including K-12 programs that help children enter school ready to learn, support students in reading at grade level and help students succeed in math and sciences.

Through the Generation Girl® initiative, for example, the Applied Materials Foundation collaborates with U.S. nonprofit organizations to create a future where young women can reach their potential. The Foundation has invested nearly \$5.2 million since 2018 in organizations and programs that provide girls with exposure to high-quality STEM programs, support the development of girls’ feelings of self-efficacy and confidence, and help build the capacity of the nonprofits.

More than 56,000 students from across the U.S. have participated in Generation Girl-funded programs. During the 2023-2024 programming year, the Foundation invested \$880,000 in 25 programs at 23 organizations, supporting direct services, capacity-building and training, and professional development opportunities.

Applied also established a program that helps post-secondary students complete their education journey and prepare for their careers, particularly in STEM-related fields. The Applied Materials Momentum Fund, powered by Last Mile Education Fund and Applied Materials, provides women majoring in engineering in the U.S. with timely, flexible financial support to cover unexpected expenses and helps ensure they can complete their bachelor’s and master’s degrees.

In fiscal 2024, the first full year of the initiative, the Momentum Fund supported 109 scholars across 29 U.S. states and 35 universities with more than \$439,000 in funding.



Environmental Progress

2024 Highlights

Goals and Progress

Progress on GHG Emissions

Net Zero 2040 Playbook™

Accelerating Grid Decarbonization

Innovating with Customers

Improved Product Efficiency

Transforming Our Supply Chain

Other Environmental Actions



Applied is uniquely positioned to enable the acceleration of energy-efficient computing in an age driven by AI and other data-intensive applications.

As we scale up to meet this exciting period of industry innovation and growth, we remain focused on reducing the environmental impact of our operations and those of our customers and suppliers.

Our Net Zero 2040 Playbook guides our environmental progress strategy, providing a collaborative approach to reduce emissions across our own footprint and that of the semiconductor industry.

Following our playbook, we continue to drive progress toward our Scope 1 and Scope 2 science-based emissions targets, with an ambition to reach Net Zero for Scope 1 and 2 by 2030. Still, our greatest opportunity for impact is to reduce our Scope 3 emissions, which are those generated upstream in our supply chain and downstream through product use.

Applied takes a strategic, multi-pronged approach that includes accelerating grid decarbonization; innovating with our customers; advancing product-efficiency, including the adoption of eco-advantaged products and upgrades; and supporting our supply chain in their efforts to reduce their greenhouse gas (GHG) emissions.

By working, innovating and advocating together, we are making progress toward collectively lowering operating costs, increasing energy efficiency, reducing potential energy- or climate-related disruptions, and enabling sustainable growth in the semiconductor industry.

2024 Highlights



Updated the Net Zero 2040 Playbook with improved projections driven by progress made across all four building blocks of the Playbook



Expanded our total renewable electricity sources by 11%, including a 48% increase in on-site solar electricity



3x30 continued to improve the efficiency of our tools on a per wafer pass through the 3x30 initiative—contributing to an improvement in our Scope 3 Category 11 emissions*



Collected GHG goals and data for all our top-spend suppliers, with 109 suppliers providing site-level data for Applied supplier sites



Began construction of the EPIC™ Center, the world’s largest and most advanced facility for collaborative semiconductor process technology and manufacturing equipment R&D

* In 2020, Applied established bold 3x30 goals focused on reducing the equivalent energy consumption, chemical impact and fab footprint of our systems by 30% by the end of this decade.

Goals and Progress

Scope 1, 2 and 3 Goals			
Goal	Status*	Progress	UN SDG
100% of electricity at Applied globally comes from renewable sources by 2030	73% of electricity at Applied globally, including 100% in the U.S., came from renewable sources		7 AFFORDABLE AND CLEAN ENERGY
50% reduction in Scope 1 and Scope 2 (market-based) emissions by 2030 from 2019 baseline	Scope 1 and 2 (market-based) emissions are 4% above our 2019 baseline levels ^(A)		13 CLIMATE ACTION
55% reduction per million USD of value added of Scope 3 Category 11 emissions by 2030 from 2019 baseline for semiconductor products**	27% decrease per million USD gross profit of Scope 3 Category 11 emissions from our 2019 baseline***		13 CLIMATE ACTION
Collect GHG data from top suppliers and partner on reduction targets	97 suppliers (38% of spend) confirmed they have GHG reduction goals, and 109 suppliers (54% of spend) provided site-level data		12 RESPONSIBLE CONSUMPTION AND PRODUCTION

3x30 Goals			
Goal	Status*	Progress	UN SDG
Reduce equivalent energy consumption per wafer pass for semiconductor products by 30% by 2030 from 2019 baseline	13% on average improvement in energy consumption per wafer pass across all semiconductor products from 2019 baseline.	****	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Reduce the impact from chemical consumption per wafer pass for semiconductor products by 30% by 2030 from 2019 baseline	We have identified a pathway to meet this target. While high-impact chemicals are still needed to meet the industry demands for on-wafer performance improvement, Applied's engineering teams are successfully bending the curve to improve efficiency faster than these demands increase.		12 RESPONSIBLE CONSUMPTION AND PRODUCTION
30% reduction in tool footprint per production unit ratio (sqm/wph) for semiconductor products from 2019 baseline	We are on-track to meet or exceed this target through a combination of productivity improvements in existing tool architectures and volume shipments of new product architectures, such as Vistara™.		12 RESPONSIBLE CONSUMPTION AND PRODUCTION

At risk

In progress

On target

Completed

^(A) This symbol across the following criteria indicates it was assured by ERM CVS

* Cumulative through FY24 unless otherwise noted

** The target addresses just the direct electricity portion of Category 11 emissions per SBTi requirements

*** Category 11 emissions do not include emissions from Applied's Display business (which represented 5% of total net sales in fiscal 2024) nor from refurbished systems

**** Based on internal modeling of energy efficiency and Applied sales data

Progress on GHG Emissions

Applied continues to drive progress toward our 2030 goals for Scope 1, 2 and 3 emissions, which were validated by the Science Based Targets initiative in 2023 as being in line with the 1.5° trajectory.

We aim to reach net zero for Scope 1 and 2 emissions by 2030. The greatest decarbonization opportunity continues to be our Scope 3 emissions, which represent more than 99% of our total carbon footprint. Progress here has the potential to accelerate the decarbonization of the semiconductor industry.

Recognized for Sustainable Design

Applied’s India Validation Center Lab in Bengaluru, commissioned in March 2024, received LEED Gold certification by the U.S. Green Building Council. The certification, granted under the Operations and Maintenance for Existing Buildings (O+M) category, awarded all 67 points that were attempted.

In Singapore, the new Tampines Industrial Crescent building received Singapore’s Building and Construction Authority (BCA) Green Mark 2021 Platinum certification. The latest smart technologies and systems have been integrated throughout the design, construction, retrofitting and operation of the building to enable an automated, intelligent and responsive building.

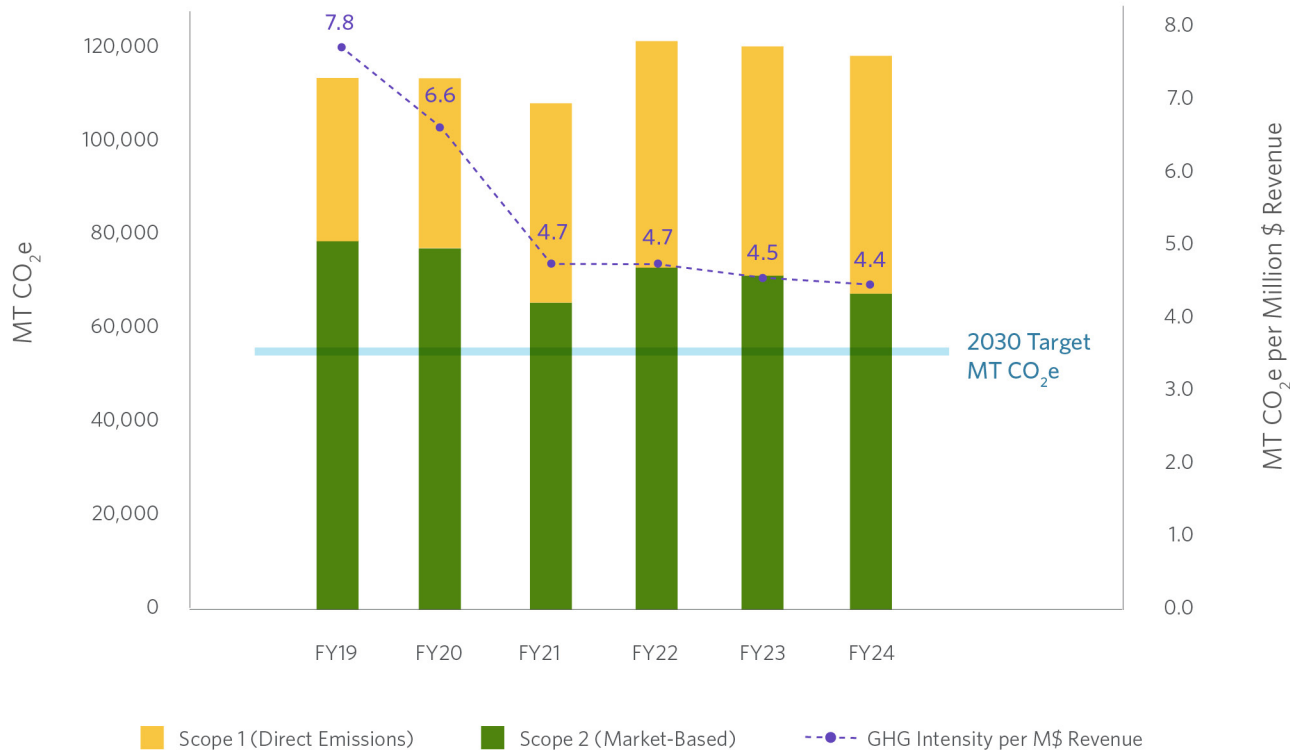
Scope 1: Direct Emissions from Our Operations

Applied’s Scope 1 emissions totaled 50,775 metric tons of CO₂e in fiscal 2024, representing a 3.5% increase from fiscal 2023.

Our Scope 1 footprint is primarily tied to the use of process gases for equipment testing in our R&D labs (about 45%) and the use of natural gas (about 51%) for process gas abatement and facility operations. The Scope 1 increase in 2024 is due in large part to an expansion of our lab footprint and installation of point-of-use abatement units that are fueled by natural gas.

Applied formed a cross-functional Scope 1 task force in 2023, which has two dedicated working groups tasked with identifying key strategies and priorities to reduce emissions from these gases. The groups work in close collaboration with the facilities teams to make improvements to our existing footprint and design for our new facilities. For example, the groups helped advance the expanded use of ecoAbate (formerly Aeris-G™), a pre-pump plasma abatement solution that is electrified and uses less energy, at our Maydan Technology Center in California.

Scope 1 and 2 GHG Emissions and Intensity (per Million \$ Revenue) by Year



In 2024, Applied’s total energy use increased 6%, compared with 2023, in line with the expansion of our real estate portfolio. At the same time, our greenhouse gas intensity decreased by 6% as measured against employee headcount and 4% as measured against revenue (see Environmental Metrics on page 61 for more detail).

Our GHG intensity reduction is due, in large part, to the systematic approach taken by Applied’s facilities team to optimize the energy efficiency

of our global headquarters and manufacturing and remanufacturing sites, including ongoing updates to building management systems, HVAC projects, LED lighting and equipment upgrades. As Applied builds new facilities, we leverage the latest U.S. Green Building Council LEED principles, aiming to achieve LEED Gold at minimum. These efficiency efforts, together with on-site and offsite renewable energy projects, saved more than 14.9 million kWh of electricity and reduced about 5,157 metric tons of CO₂e emissions in fiscal 2024.

SPOTLIGHT

EPIC Center Rising in Silicon Valley

In 2024, we broke ground on the Equipment and Process Innovation and Commercialization (EPIC) Center at our Silicon Valley campus. The EPIC Center is planned as the heart of a high-velocity innovation platform designed to accelerate development and commercialization of the foundational technologies needed by the global semiconductor and computing industries.

The EPIC Center will include approximately 150,000 square feet—more than three American football fields—of state-of-the-art cleanrooms for collaborative innovation with chipmakers, universities and ecosystem partners.



Designed with sustainability in mind and on track to commence operations in 2026, the new EPIC Center will be both a catalyst for accelerating concept to commercialization and a model for powering sustainable growth.

The building is being designed and built to achieve LEED Gold Certification from the U.S. Green Building Council. It will feature a central VOC abatement unit that has been fully decarbonized to an all-electric unit, as well as an on-site solar array that is expected to generate more than 4.6 million kWh hours annually. It is also designed to achieve about a 40% water recycling/re-use rate—which would be the highest rate across our labs.

We are installing eco-efficient equipment (cleanroom design, make-up air systems, chiller system, premium efficiency electric motors and a water reclamation system) that is expected to save about 112 million kWh of electricity annually, compared with traditional alternatives. The EPIC Center will also feature an advanced Heat Recovery System (HRS), which uses the building's internal heat to help control the cleanroom environment. The HRS minimizes the use of traditional cooling towers, allowing for additional water and wastewater savings.

Scope 2: Indirect Emissions from Energy Use

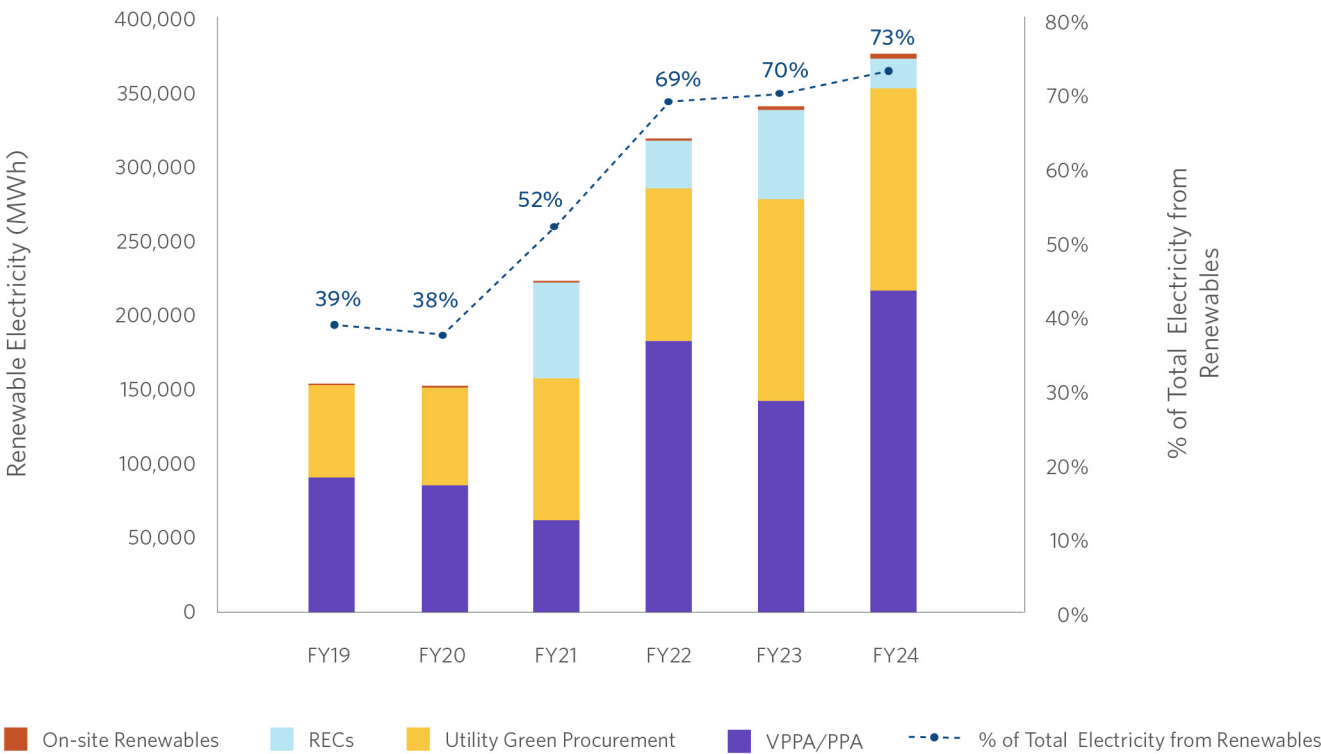
Our Scope 2 market-based emissions decreased 5% from fiscal 2023, totaling 67,681 metric tons of CO₂e in fiscal 2024. This represents a 14% decrease from base year fiscal 2019.

The largest share of our Scope 2 emissions comes from the power required to operate our manufacturing sites and labs. Applied is committed to sourcing 100% renewable electricity for our worldwide operations by 2030. We reached 73% globally through fiscal 2024, up from 70% in 2023.

Overall, Applied expanded our total renewable electricity sources by 11% year over year to 377,476 MWh. At the same time, our global electricity consumption increased 6%, holding our total global renewable energy percentage to a steady, but more modest 3% total increase. Globally, we increased our on-site solar electricity by 48% in fiscal 2024, primarily from new installations and upgrades at our Xi'an, Singapore and Tainan sites.

We continue to explore all clean energy options, including solar, wind, geothermal and small module nuclear reactors. To that end, as a member of the Clean Energy Buyers Association (CEBA), Applied supported passage of the U.S. Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy (ADVANCE) Act, signed into law in July. The new legislation supports the development of advanced nuclear reactors by reducing licensing times and cutting processing fees.

Renewable Electricity by Source and % of Total Electricity Consumption



India

In fiscal 2024, 79.5% of the electricity used at our leased International Technology Park sites in Bengaluru was supplied by solar energy, through an agreement with the property manager.

China

Approximately 85% of the total electricity used at our campus in Xi'an, China, was powered by clean energy in fiscal 2024, sourced through an agreement with Beijing Electricity Trade Center. This represents an increase from 44% in 2023.

We also replaced existing 56 kW solar panels on our Xi'an facility with 203 kW solar panels. The update is expected to generate about 292 MWh per year and save about \$32,500 in electricity costs annually.

Israel

Approximately 17% of total electricity used for our operations in Israel is renewable. The clean energy is sourced from Enlight Renewable Energy's solar and storage facilities, which provided 8,348 MWh from March 2024 and is contracted to increase to 100% of total electricity used by 2030.

Singapore

In Singapore, we installed new on-site solar arrays and upgraded existing on-site solar arrays. The expansion and improvements are expected to generate approximately 3,100 MWh annually.

Taiwan

In fiscal 2024, Applied received 2,520 MWh of wind power through our first power purchase agreement (PPA) in Taiwan with Energy Helper TCC Corporation, up from 486 MWh in fiscal 2023. Through this PPA, Applied is procuring 1.2 MW of onshore wind energy over the next four years, receiving about 3,000,000 kWh/year.

We also completed construction of a 700 kW on-site solar array at our Tainan facility in March 2024. The array came online in September 2024, generating 228 MWh by November 2024. Annually, the new array is expected to generate about 900 MWh, offset about 1.8% of the building's electricity consumption and save about 477 metric tons of CO₂ annually.

United States

Since 2022, Applied has maintained 100% renewable electricity sources in the U.S.

Our virtual power purchase agreement (VPPA) with the White Mesa Wind Project in Texas, operational since 2021, continues to represent approximately 61% of our U.S. renewable energy portfolio and 55% of our total global renewable energy portfolio.

Our largest on-site renewable generation system, a 5.6 MW solar array covering 75% of our Austin Logistics Service Center, was completed in March 2024 and came online in 2025. The Austin solar array has the potential to offset about 43% of the building's electricity consumption and save over 5,400 metric tons of CO₂ per year.



SPOTLIGHT

Employee Teams Drive Impact

Employee teams across the globe help advance and embed Applied's impact strategy through local sustainability programs, initiatives and community outreach. These groups are supported and sponsored by our global sustainability team, which helps ensure these local efforts complement and support our impact strategy.

Cross-functional teams in India, Israel, Korea, Southeast Asia and Taiwan are united through the Global Applied Impact Network (GAIN). The teams engage local employees as they help augment and amplify regional sustainability performance toward our 2030 goals.

For example, in Southeast Asia, employee teams are collaborating with the local facilities group to support an increase in clean energy sources and on-site EV charging stations, helping reduce our Scope 2 emissions. In France, the local employee team works with facilities to make efficiency improvements, such as seasonal adjustments in building temperatures, updating lighting to LED, and installing timers to turn off office and outdoor lighting during off-work hours, all contributing progress toward our Scope 1 goals.

In the U.S., employee teams in Austin, Texas and Gloucester and Newburyport, Massachusetts work to increase awareness of sustainability issues and practices that employees can implement at work, at home and in their local communities.

For example, garden beds built on-site by the team in Gloucester two years ago continue to bear fruit—and vegetables. The group organizes seasonal planting events and ongoing learning opportunities for employees. Garden produce is shared with employees and integrated into meals at the campus cafeteria. The garden spot also helps strengthen the local honeybee population. Inspired by the success in Gloucester, the team in France built their own on-site garden beds.

By organizing and hosting special speaker events, volunteering activities, environmental projects and other engagement efforts, these teams spark connections, advance deeper understanding of environmental and social issues, and inspire action among our employees.



Scope 3: Value Chain Emissions

Our Scope 3 GHG emissions decreased 12% in fiscal 2024, continuing a year-over-year reduction trend and indicating positive impact from product efficiency and clean energy gains even as our business grows.

Among the 15 categories defined by the Greenhouse Gas Protocol, Category 11, Use of Sold Products, represents the largest share (>80% in 2024) of our Scope 3 emissions. Category 11* covers both emissions from the electricity used to power the equipment in customer fabs during its estimated 10-year lifespan and the chemicals and gases used during the chipmaking process.

Our Category 11 emissions continue to trend downward, decreasing 6% in 2024, even as our business grows. This is due to both product mix and the early integration of ecoUP™ solutions in sold products.



See [Applied Materials Environmental Data Methodology](#)

Scope 3 Emission Factor Methodology Update:

For Categories 1, 2, 4, 15 and a portion of 6, we updated the emissions factors to the latest version of the EPA's U.S. Environmentally-Extended Input-Output (USEEIO) models for the categories using a spend-based calculation approach. This has resulted in the decrease in emissions for fiscal 2024 for those categories.

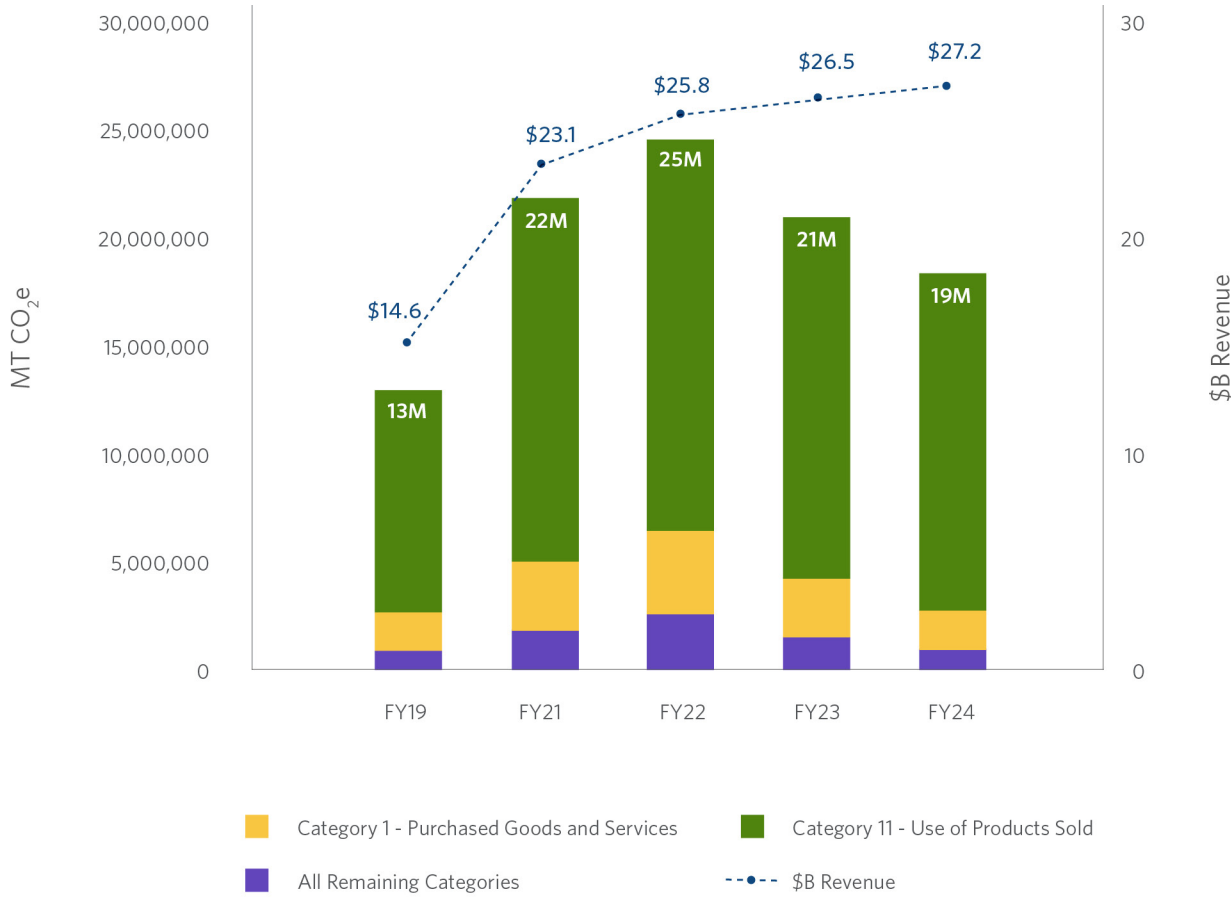
For Category 11, we continue to refine and improve our modeling of product use-phase emissions. Applied's Sustainability Center of Excellence continues to update and reflect the updated energy and chemical impact of our sold tool base. For fiscal 2024, we updated to the International Energy Agency (IEA) grid factors for the countries where we ship our tools. We also applied the updated IEA grid factors to

2019-2023 emissions, resulting in minor changes to CO₂ footprint compared to previously reported numbers. For process gas-related emissions, the Global Warming Potential (GWP) values were updated from the International Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) to AR6 in 2023. Greater than 70% of our tools included in Scope 3 are modeled. Non-modeled tools are assigned a respective value based on a modeled average.

For Category 3, we refined our methodology to be more geographically localized, and we used updated emission factors from the U.K.'s Department for Environment, Food & Rural Affairs (DEFRA). For Category 5, we corrected the U.S. EPA Waste Reduction Model (WARM) emission factor to exclude avoided emissions.



Scope 3 Emissions (MTCO₂e)



FY24 reflects US EPA EEIO factors that resulted in a drop in emissions for spend-based categories.

* Applied Materials Scope 3 Category 11 measurements do not include our display business

Net Zero 2040 Playbook

Applied’s Net Zero 2040 Playbook is a clear plan to work together with our customers and suppliers to transform the foundation of semiconductors and accelerate a global approach to cleaner energy.

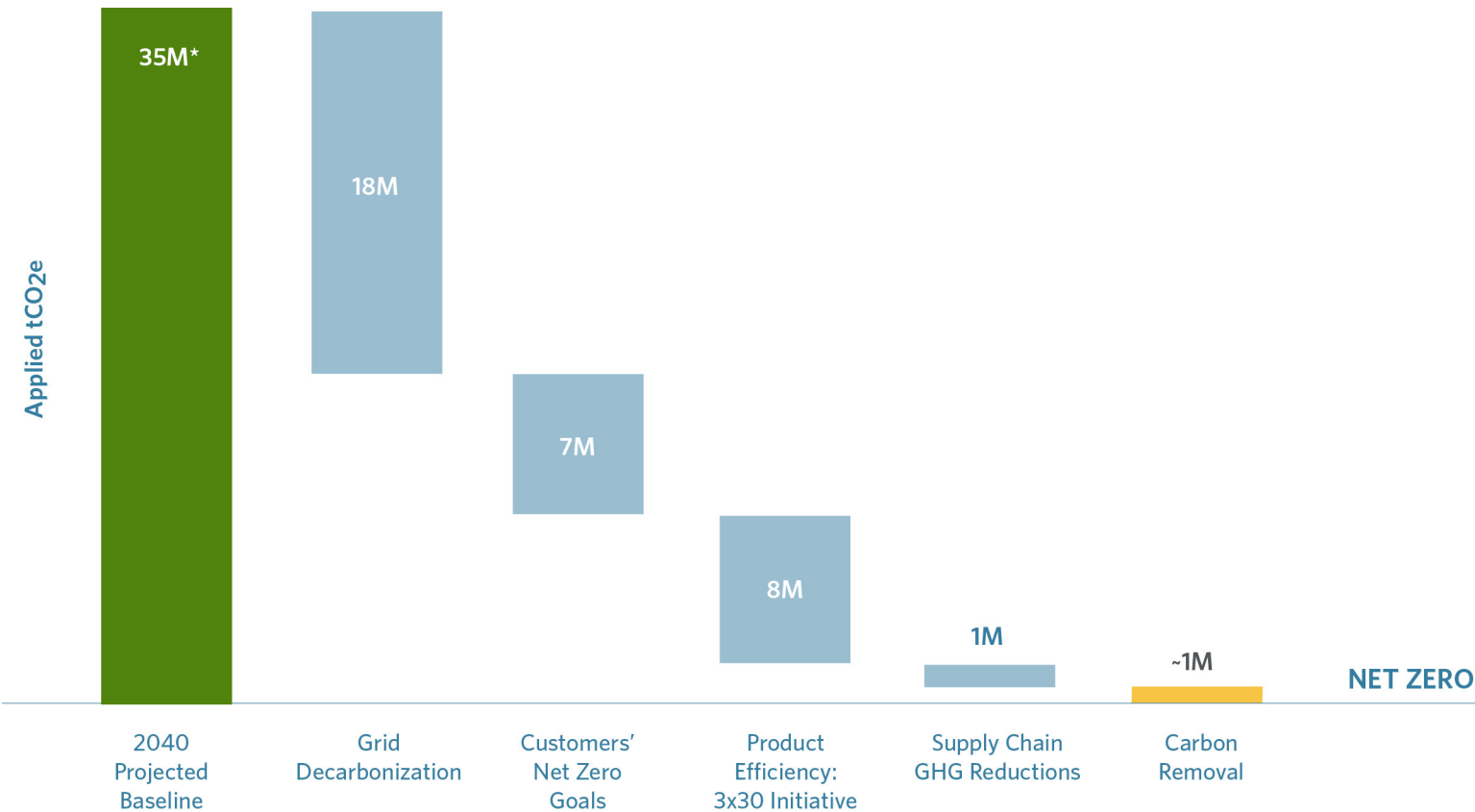
We refreshed our Net Zero 2040 Playbook model in fiscal 2024 to reflect the most up-to-date data and projections. Our first [Playbook](#), released in 2023, was based on 2022 data. We intend to update biennially to ensure we’re tracking our impact and progress based on the latest science and available data, such as global trends in grid decarbonization. Applied's Net Zero 2040 Playbook and our [Task Force on Climate-Related Financial Disclosures \(TCFD\)](#) disclosures constitute our climate transition plan to meet our science-based targets.

Our projected 2040 baseline emissions significantly improved to 35 million metric tons CO₂e from a previous estimate of 55 million metric tons CO₂e—a decrease of 36%. This is based on a variety of factors, most significantly that we have

reduced overall emissions from 2021–2024 even as our business has grown. In fiscal 2024, Applied’s absolute emissions were 18.7 million metric tons of CO₂e, representing a reduction of 12% over fiscal 2023. This is primarily due to a mix of product-related efficiency measures and updates to our spend-based emissions factors.

Globally, we’re seeing improvements in grid decarbonization¹ with a greater build-out of renewable energy sources in markets where our customers are using our tools.

Applied's Net Zero 2040 Playbook—Updated



*Covers 90% of Applied's Scope 3 per SBTi (90% product use emissions; 10% supply chain). GHG = Greenhouse Gas

1 Source: International Energy Agency's annual [World Energy Outlook 2024](#)

Progress Toward Net Zero

Applied advanced each of the four Net Zero building blocks in 2024, including:

Accelerating Grid Decarbonization: Advocating and collaborating with industry partners, as founding sponsors of the SEMI Energy Collaborative, to speed up clean energy production and adoption in the Asia-Pacific region.

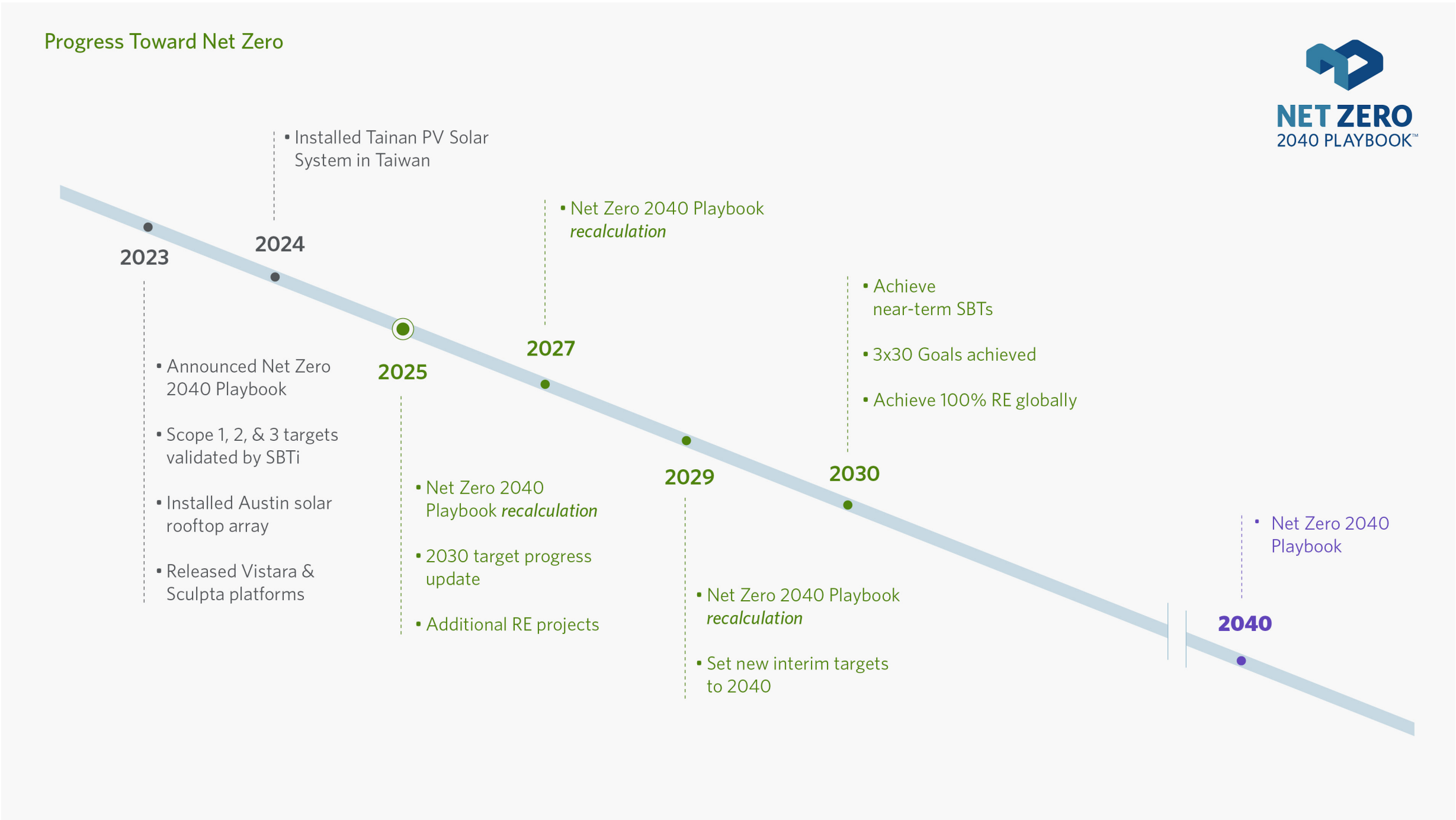
Innovating with Customers: Supporting customers as they adopt more clean energy in fab operations, while driving sustainable innovation that boosts efficiency and performance with lower costs and emissions through our Sustainability Center of Excellence.

Improved Product Efficiency: Delivering reductions in energy, chemical and physical footprints and driving adoption of more eco-advantaged products and services, including our new ECO Services offering.

Transforming Our Supply Chain: Empowering suppliers with tools, resources and training, through initiatives like Schneider Electric’s Catalyze program, to help them procure renewable energy.

Applied is a Founding member of the [Semiconductor Climate Consortium \(SCC\)](#), working to accelerate GHG emissions reductions across our industry value chain. The SCC enables us to collaborate with industry peers to advance progress across all four pillars of the Net Zero Playbook. Also, as a member of the SCC Governing Council, we are influencing the SCC’s overall efforts toward decarbonization.

Learn more about these and other advancements in the sections that follow.



Accelerating Grid Decarbonization

Beyond our own power needs, Applied is committed to helping accelerate a global transition to clean energy. More than half of our Net Zero 2040 pathway is tied to grid decarbonization, representing a potential to cut 2040 emissions in half.

Advanced fabs consume a significant amount of energy. Over 80% of our Scope 3 emissions are linked to energy used to power our products. Ensuring clean energy is accessible in the markets in which our customers operate is essential to achieving our customers’ net zero aspirations.

There’s another strong business case for decarbonizing the grid: Building and supporting clean energy infrastructure increases product demands within the semiconductor market, such as power chips and sensors.

Applied is collaborating across our value chain and the semiconductor industry to accelerate global clean energy adoption. For example, we are a founding sponsor of the SEMI Energy Collaborative (EC), a network of corporations, providers, aggregators and experts, working to accelerate investment in renewable energy in the Asia-Pacific region. In 2024, at a gathering convened by the EC, Applied joined with our industry peers to meet with policy leaders and regulators in Taiwan and Singapore to advocate for greater investment in low-carbon energy installations.



Innovating with Customers

Customers that have net zero goals cover about 50% of Applied’s fiscal 2024 product volume, contributing to a projected reduction of approximately 7 million metric tons of CO₂e by 2040. We are working alongside customers to achieve emissions savings and energy reductions, supporting those who have set net zero goals as well as those that have not yet developed a net zero strategy.

In 2024, we broke ground on what will become the world’s largest and most advanced facility for collaborative semiconductor process technology and manufacturing equipment research and development. The EPIC Center will bring together customers, university partners, suppliers and peers to accelerate innovation and commercialization of energy-efficient, next-generation technology.

Applied’s portfolio of eco-focused products and services are engineered to help customers advance on their path to net zero. For example, etch is one of the most energy- and carbon-intensive processes in the fab. Our next-generation Vistara modular platform combines and co-optimizes multiple process steps within a single tool, resulting in an estimated 35% reduction in platform energy consumption and about 30% reduction in chemical footprint for etch applications.

By driving greater adoption of these types of energy- and carbon-efficient products and services, we estimate that we can reduce about 8 million metric tons of CO₂e by 2040 while enabling customers to maximize fab performance and realize a greater return on their investments.

Advanced Materials Lab Expands in Singapore

In October 2024, Applied Materials South East Asia Pte. Ltd. and the National University of Singapore (NUS) announced the expansion of the Applied Materials-NUS Advanced Materials Corporate Lab, which was established in 2018. The Lab, with support from the National Research Foundation, will be expanded with state-of-the-art semiconductor process equipment in a larger, more advanced cleanroom. We are also collaborating with NUS to strengthen Singapore’s talent development.



Improved Product Efficiency

A key element of our sustainability strategy, as reflected in our [Net Zero 2040 Playbook](#), is driving efficiencies in our products so that they use less electricity and process chemistry and emit fewer emissions for each wafer processed.

Applied prioritizes sustainable design principles in the earliest stages of product development to create systems that consume fewer resources and advance purpose-built products adoption by our customers—many of whom have set their own net zero emissions targets.

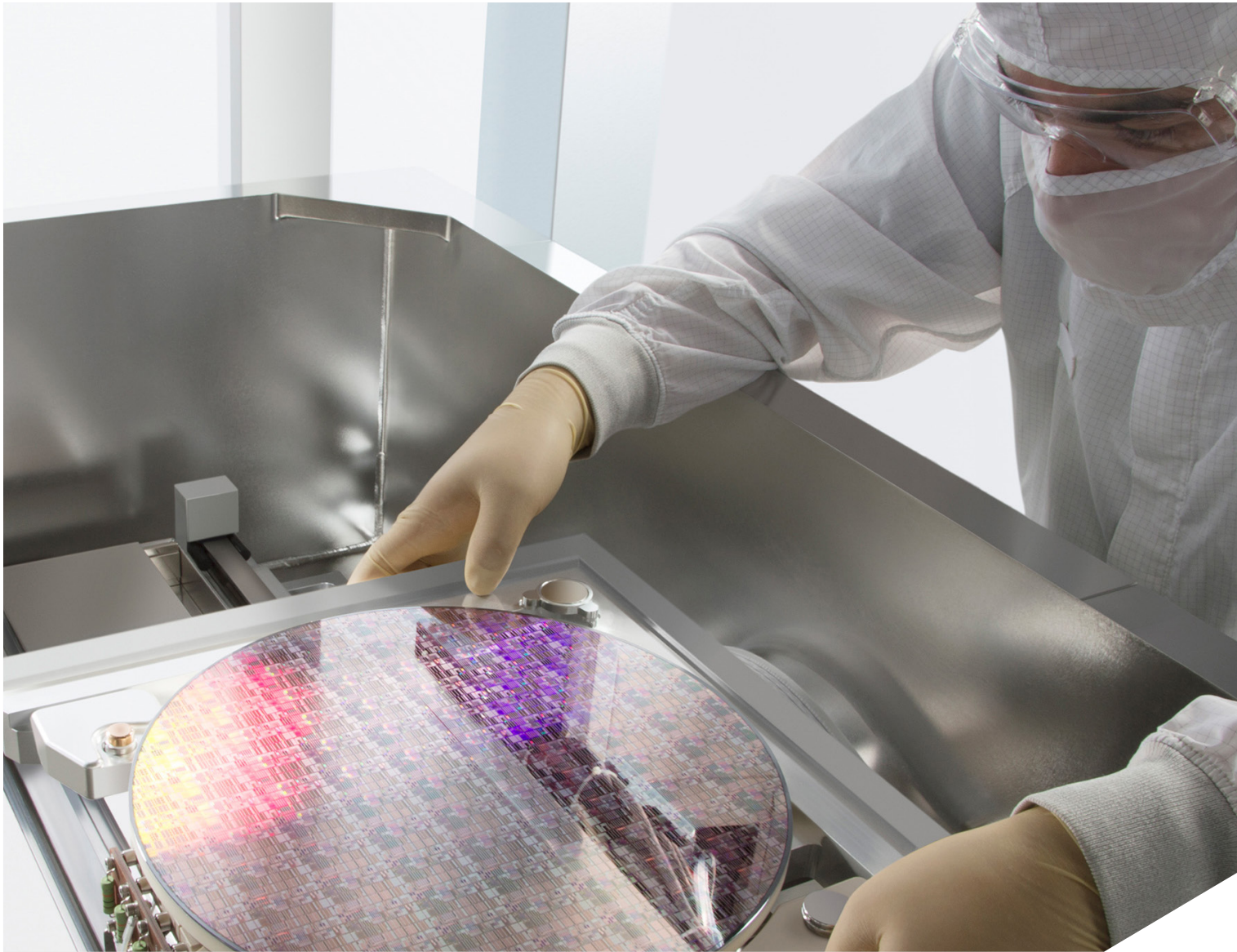
In 2020, Applied established bold 3x30 goals focused on reducing the equivalent energy consumption, chemical impact and fab footprint of our systems by 30% by the end of this decade. We are on a positive trajectory to reach all three goals, most notably achieving an average 13% improvement in energy consumption per wafer pass across all semiconductor products through a combination of eco-efficiency upgrades and improvements to fab equipment and our subfab equipment, reflecting continued improvement led by our Sustainability Center of Excellence.

Our comprehensive sustainable design approach encompasses three core elements:

- **Sustainability Center of Excellence**, which supports our product design teams in developing more sustainable technologies and processes. The results can be seen in our expansive and growing portfolio of purpose-built products and services for fab and subfab, including the Vistara platform, Centura™ Sculpta™ Pattern-Shaping System and EcoTwin™ software tool.
- **Proprietary modeling tool** that quantifies the energy, chemical impact and footprint of past, present and future tool designs. This enables us to boost sustainability performance in our customers’ fabs and drive progress toward our 3x30 goals.



See: [Purpose-Built Products and Services](#)



▪ **Customer partnerships** to innovate efficiencies in our tools and processes, accelerate industry-wide sustainability and deliver broad benefits to the planet. For example, Applied works with customers to measure and quantify direct process emissions from our products in high-volume production fabs. The tool provides customers with important Scope 1 footprint data while providing Applied with essential insights to inform product design. By using the tool to measure ecoAbate (formerly Aeris-G) performance at various customer sites, we have been able to validate greater than 95%-99% destruction removal efficiency.

Our systems-view approach considers factors beyond the direct carbon footprint of Applied’s tools operating in subfabs, helping our customers create a roadmap to reduction. Through modeling, we can help identify reduction opportunities during process development to provide customers with real-time actionable sustainability insights to inform decision making.

Applied takes a “PFAS Responsible” approach to addressing per- and polyfluoroalkyl substances in our products, supply chain and industry.



Read: [Addressing PFAS in the Semiconductor Industry](#)

Recognized for Product Efficiency

In 2024, Applied received second place for the 2024 TSMC ESG award in recognition of our energy-saving iSystem™ Controller product.



Advancing Sustainable Innovation through Simulation

Materials engineering requires multiple cycles of exploration, R&D and testing that can take up to a year or more to complete. Applied’s Ginestra™ Simulation Platform accelerates this materials engineering-to-device innovation, providing atomic-level insights to improve performance, power, area-cost and time to market (PPACt).

Within Applied, our systems-to-materials engineering team uses the Ginestra platform to support innovation across Applied’s core businesses as well as co-innovating with customers to address their high-value problems.

By using this proprietary simulation platform to identify issues early in the development process, materials can be efficiently engineered, and processes modified and tuned to optimize device performance, while saving substantial development time and costs and reducing chemical, energy and material waste.

The simulation platform, which is widely used by Applied and its customers and universities worldwide, will also be integral to accelerating co-innovation at the EPIC Center, once completed.



Transforming Our Supply Chain

Our supply chain represents approximately 10% of our overall carbon footprint, but its role in transforming the footprint of our industry is exponentially greater since our supply chain partners also supply our customers and peers. Advancing a more energy- and carbon-efficient supply chain reduces the overall impact of the semiconductor industry to enable more sustainable innovation.

Our SuCCESS2030 program established a 10-year roadmap for strengthening the environmental and social impact of our supply chain, and we are seeing the positive results of this focused effort.

Annually, we survey our top 80%-spend suppliers, requesting information on their GHG goals and their emissions data. In fiscal 2024, 183 suppliers responded to the survey, of which 109 provided Scope 1 and 2 site-level data for Applied supplier sites. More than half of the respondents, 97, said they have adopted GHG reduction goals, including 23 with approved science-based targets.

Applied continues to collaborate with suppliers, using their provided survey data, to help them create emissions-reduction plans. We also engage a third party to help them calculate their emissions data. In 2024, we began one-on-one conversations with our major suppliers to discuss our net zero aspirations

and review their ability to transition their facility and suppliers to renewable energy. Through these discussions, we learned the starting points for our supplier sites and the resources needed to reach our goals. In fiscal 2024, 39 of our top-spend supplier sites reported using 100% clean energy and seven sites are using 100% renewable energy.

To help enable global semiconductor suppliers to enter the renewable electricity market, Applied is an inaugural corporate sponsor of the Catalyze program, managed by Schneider Electric. The Catalyze program provides critical renewable market resources and support to any company that supplies to a program sponsor.

Applied also actively collaborates with suppliers, customers and peers through organizations like RBA's [Responsible Environment Initiative](#), [CEBA](#), [RE100](#) and [The Climate Pledge](#) to further accelerate emissions reductions and broad adoption of clean energy.



Other Environmental Actions

Across our global operations, Applied is working to reduce our overall packaging use, waste and water consumption as we extend the life of our systems and tools to help customers get the most from their investments.

Promoting the Circular Economy

Applied Global Services™ (AGS) provides integrated solutions to optimize equipment and fab performance and productivity. Through its corrective and preventive service contracts, AGS ensures Applied’s installed equipment is working at its optimal performance with the lowest environmental footprint.

AGS works with our customers to understand their sustainability goals and manufacturing expectations and deploys diagnostic systems and tools, powered by AI, to fully understand how the equipment sold to them by Applied is performing. The team combines that insight with deep product knowledge to recommend software and hardware upgrades to help optimize equipment performance and minimize emissions.

In fiscal 2024, Applied began offering ECO Services to our customers, under which a large number of process tools and subfab resources are connected to eco-efficiency hardware,

software and IoT sensors. This service helps our customers measure, optimize, reduce and monitor power and utilities consumption and carbon emissions.

As part of this service, AGS evaluates customers’ fabs and configurations, identifying opportunities and developing tailored solutions and services to reduce electricity, water and fuel consumption, cut carbon emissions and lower costs. The service also includes ongoing monitoring and consumption reporting to evaluate progress.

Total Kit Management™ Program

Applied’s Total Kit Management (TKM) program provides a customized kit of certified spares with best-in-class cleaning and coating services to reduce total cost of ownership. By carefully monitoring key dimensions on the parts, we can best determine when parts have achieved end of life.



By the Numbers

>18,000

Systems under service agreements

>136,000

Recycled chamber kits per year

>47%

Repairs done locally

>34 years

Oldest tool under service

Applied operates regional TKM processing facilities, which help reduce transportation costs and time. All parts are shipped in cases optimized for part dimensions to minimize freight costs while still protecting the parts. The cases are also reused for many cleaning cycles.

Our Forecast Parts Management (FPM) leverages Applied’s supply chain infrastructure and inventory to offer parts support specifically tailored to our customers’ operational needs. FPM allows greater supply assurance by placing the right inventory closer to a customer’s fab, which provides savings for our customers while reducing carbon emissions associated with transportation.



Supporting Customers Locally

AGS supports more than 51,000 installed Applied semiconductor, display and other manufacturing systems worldwide through a global distribution system in more than 195 locations, and trained service engineers and recycling facilities located near customer sites. In 2024, 47% of repairs were performed within the regions.

Keeping Systems and Parts in Use Longer

Applied’s systems are designed for long life, supporting upgrades, repairs, refurbishment and reuse. All newly manufactured parts are engineered for greater repairability, and where possible, Applied uses refurbished parts to repair and remanufacture systems and parts.

As part of our work supporting customers in the field, AGS recovers parts and assemblies from our equipment for potential reconditioning and reuse. Applied has the capability to repair about 10,000 unique part numbers.

We maintain one of the industry’s largest global inventories of spare parts, with recovered parts searchable in our inventory management system and ready to be selected for cleaning and repair. Each recovered part goes through an exacting process of inspection, cleaning, refurbishment and repair to functionality.

Packaging Reduction and Reuse

Applied’s precision products require strong, durable packaging to avoid damage and absorb vibration during transport. Our Design for Distribution task force works to meet those stringent demands while reducing materials use, improving recyclability and increasing reusability.

Through our packaging design efforts, including optimizing packaging based on content, we reduced the amount of lumber used in our crates by 13.6%, plywood by 15.4%, and foam by 27.3% through fiscal 2024, normalized by volume, since the beginning of fiscal 2023. Where feasible on inbound and outbound shipments, we are also working with our suppliers to replace plywood lids and panels on crates with more recyclable corrugated material. We will report the outcomes of this transition in future Impact Reports.



About 80% of our packaging materials are made from recyclable materials (polyethylene, polypropylene, corrugated fiberboard, steel and wood). All wood used in our packaging is Forest Stewardship Council (FSC) certified.

Our supplier packaging specifications prohibit all non-recyclable material, except laminated plastic bags used for moisture barrier protection, for which there is currently no viable alternative. Laminate makes up less than 10% of our packaging by weight.

Our packaging engineering team has also been designing and developing reusable and repairable packaging for parts. The reusable packaging consists of an external plastic composite case and an inner polyethylene foam assembly, with slots designed to house the parts. This approach eliminates up to 97% of the waste generated by single-use packaging annually.

Waste Management

Applied is working to minimize waste across our global operations, with a special focus on eliminating non-recyclable, landfill-bound waste. In fiscal 2024, we increased our landfill/incineration diversion rate to 75%, a 2% improvement over 2023. Our total waste increased 16%, compared with 2023, primarily due to new tools being installed at a site in Korea. All hazardous waste is properly treated through the municipal wastewater management system. Non-hazardous waste decreased by 4% in fiscal 2024.

Waste reduction, reuse and recycling programs are managed and monitored at the site level. For example, in Taiwan, the facilities group initiated a program that turns recycled plastic waste into solid recovered fuel for power generation at combined heat and power plants. In fiscal 2024, Taiwan shipped more than 31 tons of plastic waste that was converted to solid recovered fuel.

Waste collection improvements, including installing recycling bins instead of trash cans in Korea and centralizing trash and recycling stations in Singapore, aim to drive higher recycling rates and less waste-to-landfill at these sites.

We contract with licensed third parties to transport waste, including hazardous waste, for off-site disposal, consistent with applicable laws and regulations. Our Environmental, Health and Safety (EHS) organization oversees the process and verifies all disposal sites and methods meet regulatory requirements. We evaluate potential vendors via the CHWMEG Facility

Review Program, which provides environmental, operational and financial information on waste treatment, disposal, recycling and storage facilities.

Water Management

Applied’s operations are not high-volume water consumers relative to the broader semiconductor industry, yet we strive to optimize our water use across our facilities. Our total water withdrawal increased 5% in fiscal 2024, consistent with an overall increase in our business activities and lab expansions. Withdrawal in water-stressed areas increased 9%, primarily due to fluctuations in the HVAC cooling tower operations at two sites caused by an equipment malfunction and warmer climate conditions. We are working to address these issues to avoid such fluctuations in the future.

About 90% of our water use is in our labs or mixed-use buildings. Our R&D labs are the highest consumers of ultrapure water. Most of our tools require cooling water, which runs in a closed-loop process and is negligible in terms of water consumption.

Our local facilities teams are responsible for on-site water use management and conservation efforts, with oversight from the company’s EHS organization. In Taiwan, for example, our facilities team initiated a program to recycle rainwater during the rainy season to use for site irrigation. The 500-ton tanks saved about 2,000 tons of water from June to November 2024.



Other conservation projects at our sites in Taiwan and China are using reclaimed water for toilet flushing, collectively saving more than 6,000 tons of water in 2024.

Our Vice President of Global EHS is responsible for ensuring that water-related risks and minimization opportunities are assessed as appropriate. Water reduction is covered under our EHS policy and ISO 14001 EHSMS, which call for our business operations to identify opportunities and make continual improvements on environmental preservation and natural resource conservation, and meet or exceed all relevant regulatory requirements.

About this Report

About this Report

Third-Party Data Assurance Statement

About this Report

Published on behalf of Applied Materials, Inc. and its subsidiaries (collectively referred to as “Applied Materials,” “Applied” or “the company”), this 2024 Impact Report provides an overview of our environmental, social and governance strategy, actions, goals and progress made during Applied’s fiscal 2024, except where noted.

Applied has reported on its environmental responsibility annually since 2005 and published its first Citizenship Report in 2008. Data covers all global operations unless clearly marked otherwise.

Reporting Standards

This report has been prepared in accordance with the Global Reporting Initiative (GRI). A GRI Index is included in the Data and Disclosures section. Disclosures following the Sustainability Accounting Standards Board (SASB) Semiconductor Standard as well as the Task Force on Climate-Related Financial Disclosures (TCFD) Index are also provided in the Data and Disclosures section.

Forward-Looking Statements and Reporting Uncertainties

GHG emissions are calculated following the GHG Protocol using the best available data in the reporting year. Calculation methodology improvements are likely to be implemented annually and will be disclosed in future impact reports.

Throughout the report, we demonstrate alignment and contribution to key United Nations Sustainable Development Goals (SDGs). Limited assurance of select indicators included in the Impact Report and Data and Disclosures has been conducted by ERM CVS, whose assurance statement is provided on page 58.

Further, Applied manufacturing sites maintain [ISO 14001:2015](#) and [ISO 45001:2018](#) certifications, which require annual third-party audits of our management systems and processes.

This report contains forward-looking statements, including our impact strategies, targets and other statements that are not historical facts. These statements are subject to risks and uncertainties and are not guarantees of future performance. Factors that could cause actual results to differ materially from those expressed or implied by such statements are included in the “Risk Factors” section of our SEC filings, including our recent Forms 10-K, 10-Q and 8-K. All forward-looking statements are based on management’s current estimates, projections and assumptions, and we assume no obligation to update them. Non-financial information is subject to measurement uncertainties resulting from limitations inherent in the nature and methods used for determining such data. The selection of different but acceptable measurement techniques can result in materially different measurements.

Trademark Notice

Applied Materials and the Applied Materials logo are trademarks of Applied Materials, Inc., registered in the U.S. and other countries and regions.

Net Zero 2040 Playbook, Make Possible, EPIC Center, Centura, Sculpta, Vistara, Aeris-G, ecoUP, EcoTwin, Ginestra, Total Kit Management, Momentum Fund, Applied Global Services and Applied Ventures are trademarks of Applied Materials, Inc., and may be registered in the U.S. and/or other countries and regions. Generation Girl is a trademark of the Applied Materials Foundation.

All other trademarks contained herein that are not owned by Applied Materials, Inc. and the Applied Materials Foundation are the property of their respective owners.

Third-Party Data Assurance Statement



Independent Limited Assurance Report

ERM Certification & Verification Services Incorporated ("ERM CVS") was engaged by Applied Materials, Inc. ("Applied Materials") to provide limited assurance in relation to the selected information set out below and presented in the Applied Materials' Impact Report 2024 (the "Report").

ENGAGEMENT SUMMARY

Scope of our assurance engagement	Whether the following Selected Information for Fiscal Year 2024 (FY24) are fairly presented in the Report, in all material respects, in accordance with the reporting criteria. Our assurance engagement does not extend to information in respect of earlier periods or to any other information included in the Report, except where otherwise noted in the Selected Information.
Selected Information	GHG Emissions • Total Scope 1 GHG emissions [MT CO₂e] • Total Scope 2 (location-based) GHG emissions [MT CO₂e] • Total Scope 2 (market-based) GHG emissions [MT CO₂e] • Total Scope 1 and 2 (market-based) GHG emissions [MT CO₂e] • GHG intensity - Total Scope 1 & Scope 2 [in MT CO₂e per employee and per million dollars of revenue]* • % Year over Year change in Scope 1 and Scope 2 (market-based) GHG emissions [%] • Total Scope 3 GHG emissions comprised of the selected categories [MT CO₂e]: • Category 1: Purchased Goods & Services, Category 2: Capital Goods, Category 3: Fuel & Energy Related Activities, Category 4: Upstream Transportation & Distribution, Category 5: Waste from Operations**, Category 6: Business Travel, Category 7: Employee Commuting, Category 8: Upstream Leased Assets, Category 9: Downstream Transportation & Distribution, Category 11: Use of Sold Products, Category 12: End of Life Treatment of Sold Products, Category 13: Downstream Leased assets, Category 15: Investments Energy • Total energy [MWh] • Total renewable electricity [MWh] • Electricity consumption [MWh] • Percentage of energy consumed that is renewable energy [%] • Percentage renewable electricity consumption [%] • Energy intensity [MWh of energy consumed per employee and MWh of energy consumed per million dollars of revenue]¹ Water • Total water withdrawal [Thousand m3] • Water withdrawal in water-stressed areas [%] Health & Safety • Total Case Incident Rate (TCIR) • Days Away, Restricted, or Transferred Rate (DART) • Fatalities [count] Workforce Indicators • Total workforce [number] • Workforce by category (by contract type) [Regular Full-Time Employees, Temporary Workers, and Interns] [number]

	• Female representation – Global and U.S. workforce (including New College Graduates, excluding interns) by category (career level and engineering specifically) [Executives, Managers, Professionals, and Other Professionals] [%] • Ethnicity & Race Representation of the U.S. Workforce [%] • Voluntary turnover – Global rate [%] and Global rate by gender [%] Community Impact Indicators • Total community investments [million dollars] • Total giving through the Foundation Match Program [million dollars] • Total Volunteer Time Grant hours logged [hours] • Total contributions issued by Applied Materials Foundation based on Time Grant hours [dollars] Restatements • FY23 Total Scope 2 (market-based) [MT CO₂e] • FY23 Scope 1 + 2 (market-based) [MT CO₂e] • FY23 GHG intensity - Total Scope 1 & Scope 2 in MT CO₂e per employee and per million dollars of revenue* • FY19, FY22, FY23 Total Scope 3 GHG emissions [MT CO₂e] • FY23 Total water withdrawal [Thousand m3] Our assurance engagement does not extend to information in respect of earlier periods or to any other information included in the Report. *Revenue data was not subject to verification; ERM CVS placed reliance on audited financial statements to assure the intensity figures. **Underlying waste data was not subject to assurance for the purpose of the Scope 3 assurance.
Reporting periods	1st November 2018 to 31st October 2019 1st November 2021 to 31st October 2022 1st November 2022 to 31st October 2023 1st November 2023 to 31st October 2024
Reporting criteria	• Applied Materials’ internal reporting criteria and definitions • Sustainability Accounting Standards Board (SASB) • Occupational Safety and Health Administration (OSHA) recordkeeping requirement definitions and guidelines • WBCSD/WRI GHG Protocol (2004, as updated January 2015) for the Scope 1, 2 and 3 GHG emissions • Global Reporting Initiative (GRI) Reporting Standards 2018, 2020, 2021
Assurance standard and level of assurance	We performed a limited assurance engagement, in accordance with the International Standard on Assurance Engagements ISAE 3000 (Revised) 'Assurance Engagements other than Audits or Reviews of Historical Financial Information' The procedures performed in a limited assurance engagement vary in nature and timing from and are less in extent than for a reasonable assurance engagement and consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.
Respective responsibilities	Applied Materials is responsible for preparing the Report and for the collection and presentation of the information within it, and for the designing, implementing and maintaining of internal controls relevant to the preparation and presentation of the Selected Information. ERM CVS’ responsibility is to provide a conclusion to Applied Materials on the agreed assurance scope based on our engagement terms with Applied Materials, the assurance activities performed and exercising our professional judgement.

OUR CONCLUSION

Based on our activities, as described below, nothing has come to our attention to indicate that the Selected Information is not fairly presented in the Report, in all material respects, in accordance with the reporting criteria.

OUR ASSURANCE ACTIVITIES

Considering the level of assurance and our assessment of the risk of material misstatement of the Selected Information a multi-disciplinary team of sustainability and assurance specialists performed a range of procedures that included, but was not restricted to, the following:

- Evaluating the appropriateness of the reporting criteria for the Selected Information;
- Interviewing management representatives responsible for managing the Selected Information;
- Interviewing relevant staff to understand and evaluate the management systems and processes (including internal review and control processes) used for collecting and reporting the Selected Information;
- Reviewing of a sample of qualitative and quantitative evidence supporting the Selected Information at a corporate level;
- Performing an analytical review of the year-end data submitted by all locations included in the consolidated FY24 group data for the Selected Information which included testing the completeness and mathematical accuracy of conversions and calculations, and consolidation in line with the stated reporting boundary, including restatement calculations;
- Conducting four site visits, two virtual and two in person, to facilities/production sites in the United States, Italy, and Singapore to review source data and local reporting systems and controls;
- Evaluating the conversion and emission factors and assumptions used;
- Reviewing the presentation of information relevant to the assurance scope in the Report to ensure consistency with our findings.

THE LIMITATIONS OF OUR ENGAGEMENT

The reliability of the Selected Information is subject to inherent uncertainties, given the available methods for determining, calculating or estimating the underlying information. It is important to understand our assurance conclusions in this context.

OUR INDEPENDENCE, INTEGRITY AND QUALITY CONTROL

ERM CVS is an independent certification and verification body accredited by UKAS to ISO 17021:2015. Accordingly, we maintain a comprehensive system of quality control, including documented policies and procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements. Our quality management system is at least as demanding as the relevant sections of ISQM-1 and ISQM-2 (2022).

ERM CVS applies a Code of Conduct and related policies to ensure that its employees maintain integrity, objectivity, professional competence and high ethical standards in their work. Our processes are designed and implemented to ensure that the work we undertake is objective, impartial and free from bias and conflict of interest. Our certified management system covers independence and ethical requirements that are at least as demanding as the relevant sections of the IESBA Code relating to assurance engagements.

ERM CVS has extensive experience in conducting assurance on environmental, social, ethical and health and safety information, systems and processes, and provides no consultancy related services to Applied Materials in any respect.



May, 21 2025
Malvern, PA

ERM Certification & Verification Services Incorporated
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Data and Disclosures

Company Overview

Environmental Metrics

Workforce Metrics

Employee Health and Safety Metrics

Community Giving and Investments

SASB Index

TCFD Index

GRI Index



In developing our 2024 Impact Report, we compiled key data and disclosures in accordance with Global Reporting Initiative (GRI) Standards, Sustainability Accounting Standards Board (SASB) frameworks and the Task Force on Climate-Related Financial Disclosures (TCFD).

Further information and disclosures can be found in [Applied's 2024 Annual Report](#) and the [CDP Corporate Questionnaire 2024](#) reports.

Company Overview

	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Company Profile						
Revenue (\$Billions)	\$27.2	\$26.5	\$25.8	\$23.1	\$17.2	\$14.6
Net income (\$Billions)	\$7.2	\$6.9	\$6.5	\$5.9	\$3.6	\$2.7
R&D (\$Billions)	\$3.2	\$3.1	\$2.8	\$2.5	\$2.2	\$2.1
Number of patents (approximately)	22,000	19,600	17,300	15,700	14,300	13,300
Number of locations/countries	207 cities, 24 countries	150 cities, 24 countries	120 locations, 24 countries	115 locations, 19 countries	110 locations, 19 countries	100 locations, 18 countries

Find more information about Applied Materials in our [2024 Annual Report](#).
Non-financial information is subject to measurement uncertainties resulting from limitations inherent in the nature and methods used for determining such data.
The selection of different but acceptable measurement techniques can result in materially different measurements.

Environmental Metrics

Each year, Applied Materials continues to review and refine our environmental metrics calculation methodology.

All data is reported in terms of Applied’s 2024 Fiscal Year (October 30, 2023–October 27, 2024). Occasionally we restate historical data when improvements are made. We have incorporated some updates to historical data due to methodology improvements and improved data availability to ensure consistent comparison across years. Restated data can be identified through the footnotes. Greenhouse gas (GHG) emissions are calculated following the GHG Protocol, covering all greenhouse gases included in the Kyoto Protocol: CO₂, CH₄, N₂O, HFCs, PCFs, SF₆ and NF₃. The report includes all Scope 1 and 2 emissions following an operational control boundary and uses Emissions First principles for market-based calculations. A more detailed overview of our FY2024 Scope 1, 2 and 3 emissions calculation methodology can be found [here](#).

	UNITS	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Climate/GHG Emissions							
Total Scope 1 [Ⓐ]	MT CO ₂ e	50,775	49,053	48,633	42,396	36,678	35,225
Total Scope 2 (location-based) [Ⓐ]		175,667	170,299	161,303	147,087	138,521	144,371
Total Scope 2 ¹ (market-based) [Ⓐ]		67,681	71,469	72,933	65,573	77,433	78,677
Scope 1 + Scope 2 (market-based) [Ⓐ]		118,456	120,522	121,566	107,970	114,111	113,901
GHG Intensity [Ⓐ]	Total Scope 1 & Scope 2 in MT CO ₂ e per employee	3.3	3.5	3.7	4.0	4.7	5.2
	Total Scope 1 & Scope 2 in MT CO ₂ e per million dollars of revenue	4.4	4.5	4.7	4.7	6.6	7.8

[Ⓐ] This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

1 Scope 2 Market-Based emissions have been restated for FY2023 to correct a calculation error.

Environmental Metrics (cont'd)

		UNITS	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Scope 3	Total [Ⓐ]	MT CO ₂ e	18,565,175	21,143,228	24,682,384	22,027,778	—	12,902,853
	Category 1: Purchased Goods & Services ²		1,750,330	2,852,968	3,882,759	3,231,545	—	1,862,516
	Category 2: Capital Goods ²		110,376	132,506	179,156	148,968	—	61,953
	Category 3: Fuel- & Energy-Related Activities ³		70,135	59,828	56,544	52,142	—	36,012
	Category 4: Upstream Transportation & Distribution ²		453,540	950,522	1,998,985	1,340,467	—	567,080
	Category 5: Waste from Operations ⁴		4,016	3,144	3,186	3,253	—	531
	Category 6: Business Travel ²		134,947	96,098	52,538	22,383	—	97,953
	Category 7: Employee Commuting ⁵		47,528	41,667	31,902	24,343	—	76,751
	Category 8: Upstream Leased Assets		6,505	6,619	3,860	3,715	—	2,601
	Category 9: Downstream Transportation & Distribution		200,452	86,304	229,937	144,619	—	191,577
	Category 11: Use of Sold Products ^{6,7}		15,633,966	16,688,667	18,081,049	16,910,454	—	9,997,344
	Category 12: End of Life Treatment of Sold Products		462	636	940	845	—	713
	Category 13: Downstream Leased Assets		2,716	2,303	2,870	3,989	—	3,330
	Category 15: Investments ^{2,8}		150,202	222,001	158,658	141,055	—	4,492

Ⓐ This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

2 The emissions factors were updated to the latest version of the 2024 US EPA EEIO for the categories using a spend-based calculation (Categories 1, 2, 4, 15 and a portion of 6). This has resulted in a drop in emissions for FY2024 for those categories. Applied also considered application of our Scope 3 consultant's adjusted spend-based emissions factors, which showed further emissions reductions. The results of that analysis are outlined in the [GHG Methodology Overview](#).

3 Category 3 methodology emission factors were updated from DEFRA to ecoinvent and a more geographically localized method was applied.

4 Category 5 US EPA WARM emission factors were corrected to exclude avoided emissions, and historical emissions were updated to reflect this correction.

5 Category 7 does not include employee work-from-home emissions.

6 Category 11 was calculated using the SEMI S23 standard to model Applied semiconductor tools' annual energy consumption across product categories, multiplied by an average 10-year product lifespan. Emissions in this category include the energy, chemicals and gases used by Applied products as well as the ancillary sub-fab equipment required to power Applied products. The category also includes emissions from the combustion of natural gas in point-of-use abatement systems where applicable. Category 11 emissions do not include emissions from the use of incomplete/partial systems shipped, nor from Applied's Display business (which represented 5% of total net sales in FY2024).

7 Historical data for Category 11 has been updated based on improved data and refined modeling.

8 Category 15 excludes project finance and debt investments; managed investments and client services are not applicable.

Environmental Metrics (cont'd)

	UNITS	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Energy							
Electricity consumption [Ⓐ]	MWh	515,600	486,978	464,044	429,484	404,673	400,850
Total renewable electricity [Ⓐ]		377,476	341,562	319,180	223,529	152,835	154,848
U.S. renewable electricity rate	%	100%	100%	100%	73%	50%	51%
Global renewable electricity rate [Ⓐ]	%	73%	70%	69%	52%	38%	39%
Total energy [Ⓐ]	MWh	660,699	623,693	597,500	560,776	525,292	527,125
Energy intensity [Ⓐ]	MWh of energy consumed per employee	18.51	18.33	18.10	20.60	21.90	23.90
	MWh of energy consumed per million dollars of revenue	24.31	23.50	23.20	24.30	30.50	36.10
Water							
Total water withdrawal ⁹ [Ⓐ]	Thousand m³	2,509	2,388	2,359	2,249	2,104	2,016
City water purchased		2,501	2,387	2,221	2,149	2,088	1,990
Groundwater		3.8	1.3	138	100	16	26
Total water consumption		553	535	443	424	418	404
Domestic water ¹⁰		463	439	363	364	340	327
Irrigation		86	96	80	60	78	77
Water withdrawal in water-stressed areas ¹¹ [Ⓐ]	%	12%	12%	13%	12%	12%	13%
Water withdrawal intensity	Thousand m³ water withdrawal per employee	0.07	0.07	0.07	0.08	0.09	0.09
	Thousand m³ water withdrawal per million dollars of revenue	0.09	0.09	0.09	0.10	0.12	0.14

[Ⓐ] This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

⁹ Water withdrawal metrics have been restated for FY2023. One of our major sites had a water meter issue resulting in low readings for FY2023. The domestic water value was updated for that site to use the average Domestic Water Withdrawal of FY2020, FY2021, FY2022 and FY2024.

¹⁰ Domestic water consumption assumes negligible water consumption in office buildings.

¹¹ Water withdrawal in water-stressed areas was updated to reflect changes in WRI Water Risk categorization for a few sites.

Environmental Metrics (cont'd)

		UNITS	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Waste								
Non-hazardous landfill diversion rate		%	75%	73%	72%	67%	73%	75%
Non-hazardous waste	Total non-hazardous waste	Thousand MT	17.4	18.0	19.1	18.1	14.1	11.9
	Non-hazardous: landfill		4.0	4.1	4.7	4.8	2.3	2.1
	Non-hazardous: incineration ¹²		0.4	0.8	0.3	0.7	1.3	0.5
	Non-hazardous: recycled		12.8	12.9	13.9	12.5	10.4	8.9
	Non-hazardous: composted		0.2	0.2	0.2	0.1	0.1	0.4
Total hazardous waste			4.7	1.1	0.5	0.5	0.4	0.5
Total waste generation			22.1	19.1	19.6	18.6	14.5	12.4

12 Non-hazardous incineration, non-hazardous compost and total non-hazardous values were updated for FY2023 to correct a calculation error.

Workforce Metrics

	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Global Workforce						
Total workforce [Ⓐ]	37,081	36,605	36,737	30,130	25,775	23,234
Regular full-time employees [Ⓐ]	35,707	34,328	33,306	27,223	24,031	22,014
Temporary workers [Ⓐ]	1,208	2,130	3,264	2,793	1,637	1,114
Interns [Ⓐ]	166	147	167	114	107	106
Global Voluntary Turnover						
Global Total						
Total global voluntary turnover [Ⓐ]	4.3%	5.2%	8.5%	7.0%	4.8%	5.4%
Global Turnover by Gender						
Global female turnover [Ⓐ]	5.0%	5.3%	9.0%	7.1%	5.1%	7.2%
Global male turnover [Ⓐ]	4.1%	5.1%	8.4%	6.9%	4.8%	5.0%

Ⓐ This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

Workforce Metrics (cont'd)

	FY 2024
Ethnicity and Race Representation in the U.S. Workforce ¹	
White ^(A)	40.9%
Asian ^(A)	35.6%
Hispanic or Latino ^(A)	10.7%
Black or African American ^(A)	5.9%
Employees with two or more races ^(A)	2.1%
American Indian or Alaska Native ^(A)	0.3%
Native Hawaiian or Pacific Islander ^(A)	0.8%

	FY 2024
Female Representation of the Global Workforce (%)	
Total Women in Workforce ^(A)	20.6%
Women Executives (Vice Presidents and Directors) ^(A)	13.4%
Women Managers (People Managers) ^(A)	18.4%
Women Professionals (Business, Engineering and Sales Career Bands) ^(A)	28.3%
Women Engineering Employees ^(A)	16.2%

^(A) This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

¹ In FY2024, 3.75% of employees did not disclose race and ethnicity.

Workforce Metrics (cont'd)

		Men	Women	Asian	Black	Hispanic/Latino	Other URM	White
U.S. Representation by Gender and Race Ethnicity by Level								
Executives (VP+Director) [Ⓐ]	FY2024	85.4%	14.5%	47.3%	1.5%	3.2%	1.7%	44.0%
Managers [Ⓐ]	FY2024	78.9%	20.9%	32.5%	4.4%	9.5%	2.6%	48.0%
Professionals (Business, Engineering and Sales Career Band) [Ⓐ]	FY2024	70.0%	29.6%	44.3%	3.8%	8.5%	3.1%	37.2%
Other Professionals (Customer Support, Technical and Manufacturing bands) [Ⓐ]	FY2024	82.2%	17.5%	18.8%	11.2%	17.4%	4.2%	43.0%

	FY 2024
Male Representation by Region	
APAC	81.6%
EMEA	80.2%
NA	76.5%

	FY 2024
Female Representation by Region	
APAC	18.4%
EMEA	19.7%
NA	23.2%

	FY 2024
Not Declared Representation by Region	
APAC	0.0%
EMEA	0.1%
NA	0.3%

[Ⓐ] This symbol indicates the FY24 criteria related to 'Women' was assured by ERM CVS.

Workforce Metrics (cont'd)

	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Learning and Development						
Total Workforce (includes all regular full-time, temporary and interns)						
Total learning hours	2,036,618	2,053,104	2,046,238	1,740,492	1,436,271	1,407,932
Total individual learners	49,529	48,774	45,859	42,223	33,759	32,087
Average training hours per person	41	42.09	45	41	43	44
Regular Full-Time Employees						
Total learning hours	1,953,317	1,944,092	1,869,669	1,598,502	1,353,985	1,336,812
Total individual learners	35,646	34,264	32,890	27,335	23,214	21,850
Average training hours per person	55	57	57	58	58	61
Percentage of employees completed training/learning hours	99.8%	99.8%	98.0%	99.0%	98.0%	99.0%
Contingent Workers						
Total learning hours	79,341	105,273	176,569	141,990	82,286	71,120
Average training hours per person	5.8	7.3	14	10	8	7
Completed Training by Role (Unique Learners)						
Executive Level Vice Presidents	212	206	193	n/a	n/a	n/a
Executive Level Directors	2,365	2,185	2,126	n/a	n/a	n/a
Manager Level	3,476	3,469	3,193	n/a	n/a	n/a
Individual Contributors	29,593	28,404	27,472	n/a	n/a	n/a
Interns	165	142	100	n/a	n/a	n/a

Employee Health and Safety Metrics

	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Total Case Incident Rate (TCIR) [Ⓐ]	0.41	0.44	0.35	0.45	0.33	0.43
Days Away, Restricted or Transferred Rate (DART) [Ⓐ]	0.31	0.33	0.24	0.35	0.23	0.29
Lost Time Severity Rate (LTSR)	4.91	3.03	2.59	4.44	3.70	3.63
Fatalities [Ⓐ]	0	0	0	0	0	0

Community Giving and Investments

	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019
Total community investments [Ⓐ]	\$14.5M	\$11.7M	\$11.2M	\$13.7M	\$14.9M	\$10.8M
Total community investments by Applied Materials, Inc.	\$4.7M	\$3.1M	\$2.8M	\$3.1M	\$3.8M	\$2.8M
Total community investments by the Applied Materials Foundation (excludes administrative)	\$9.8M	\$8.5M	\$8.4M	\$10.6M	\$11.1M	\$8.0M
Total giving through the Foundation Match Program (employee gifts plus match) [Ⓐ]	\$8.6M	\$8.4M	\$9.1M	\$8.9M	\$7.4M	\$6.6M
Total Volunteer Time Grant hours logged ¹ (calendar year) [Ⓐ]	17,960	14,590	12,138	9,995	8,183	15,174
Total contributions issued by the Applied Materials Foundation based on Time Grant hours ¹ [Ⓐ]	\$43,100	\$41,900	\$34,500	\$30,200	\$28,400	\$49,000

[Ⓐ] This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

¹ The reporting period for Volunteer hours and Volunteer Time Grant hours logged changed to fiscal year in FY2022. Prior years are based on calendar year. FY2022 data will have some overlap with 2021 data.

SASB Index

Topic	Code	Accounting Metric	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019	Narrative Response / Report Location
Greenhouse Gas Emissions	TC-SC-110a.1	Gross global Scope 1 emissions	50,775 MT CO ₂ e	49,053 MT CO ₂ e	48,633 MT CO ₂ e	42,396 MT CO ₂ e	36,678 MT CO ₂ e	35,225 MT CO ₂ e	Additional emissions data available in the Environmental Metrics table above, page 61
		Amount of total emissions from perfluorinated compounds	21,749 MT CO ₂ e	18,986 MT CO ₂ e	20,148 MT CO ₂ e	14,436 MT CO ₂ e	10,421 MT CO ₂ e	9,428 MT CO ₂ e	Additional emissions data available in the Environmental Metrics table above, page 61
	TC-SC-110a.2	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	See previous impact reports here .						See the “Environmental Progress” section of our Impact Report, pages 39-55
Energy Management in Manufacturing	TC-SC-130a.1	Total energy consumed	660,699 MWh	623,693 MWh	597,500 MWh	560,776 MWh	525,292 MWh	527,125 MWh	Additional energy data available in the Environmental Metrics table above, page 63
		Percentage of energy consumed that was supplied from grid electricity	78%	78%	77%	75%	76%	75%	
		Percentage of energy consumed that is renewable energy [Ⓐ]	57%	55%	53%	40%	29%	29%	

Ⓐ This symbol across the following FY24 criteria indicates it was assured by ERM CVS. See our data assurance statement on page 58 of the Impact Report.

SASB Index (cont’d)

Topic	Code	Accounting Metric	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019	Narrative Response / Report Location
Water Management	TC-SC-140a.1	Total water withdrawn	2,509,000 m³	2,388,000 m³	2,359,000 m³	2,249,000 m³	2,104,000 m³	2,016,000 m³	Water withdrawal metrics have been restated for FY2023. One of our major sites had a water meter issue resulting in low readings for FY2023. The domestic water value was updated for that site to use the average Domestic Water Withdrawal of FY2020, FY2021, FY2022 and FY2024. Additional emissions data available in the Environmental Metrics table above, page 63
		Percentage of water withdrawn in regions with high or extremely high baseline water stress	12%	12%	13%	12%	12%	13%	Water withdrawal in water-stressed areas was updated to reflect changes in WRI Water Risk categorization for a few sites. See the “Water Management” section of our Impact Report, page 55
		Total water consumed	553,000 m³	535,000 m³	443,000 m³	424,000 m³	418,000 m³	404,000 m³	Domestic water consumption assumes negligible water consumption in office buildings
		Percentage of water consumed in regions with high or extremely high baseline water stress	12%	11%	13%	11%	11%	13%	
Waste Management	TC-SC-150a.1	Amount of hazardous waste from manufacturing	4,709 MT	1,071 MT	514 MT	491 MT	424 MT	470 MT	Additional waste data available in the Environmental Metrics table above, page 55
		Percentage of hazardous waste recycled	6%	15%	28%	18%	n/a	n/a	Tracking of this information started in FY2020
Employee Health and Safety	TC-SC-320a.1	Description of efforts to assess, monitor and reduce exposure of employees to human health hazards							See the “Occupational Health and Safety” section of our Impact Report, page 21
	TC-SC-320a.2	Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations							In 2024, Applied received zero notices of violation (NOV) worldwide

SASB Index (cont'd)

Topic	Code	Accounting Metric	FY 2024	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019	Narrative Response / Report Location
Recruiting and Managing a Global and Skilled Workforce	TC-SC-330a.1	Percentage of employees that require a work visa	n/a	n/a	n/a	n/a	n/a	n/a	Applied Materials does not disclose the percentage of employees who are foreign nationals or located offshore
Product Lifecycle Management	TC-SC-410a.1	Percentage of products by revenue that contain IEC 62474 declarable substances	n/a	n/a	n/a	n/a	n/a	n/a	This information is not tracked at this time
	TC-SC-410a.2	Processor energy efficiency at a system-level for: (1) servers, (2) desktops and (3) laptops	n/a	n/a	n/a	n/a	n/a	n/a	This information is not applicable to Applied Materials who is a semiconductor equipment manufacturer
Materials Sourcing	TC-SC-440a.1	Description of the management of risks associated with the use of critical materials							See "Supply Chain Responsibility," pages 34-35 ; see also our Conflict Minerals Report
Intellectual Property Protection and Competitive Behavior	TC-SC-520a.1	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behavior regulations	n/a	n/a	n/a	n/a	n/a	n/a	This information is not tracked at this time
Activity Metrics	TC-SC-000.A	Total production units	~4,100	~4,200	~4,400	~3,600	~2,000	~1,800	Production data covers semiconductor systems
	TC-SC-000.B	Percentage of production from owned facilities	85%	85%	85%	85%	85%	85%	

TCFD Index

Topic	Response and References
Governance	
a) Describe the board's oversight of climate-related risks and opportunities.	Applied's Corporate Governance and Nominating Committee (CGNC) oversees the sustainability program, which includes its climate strategy, and is engaged throughout the year to foster continuous improvement and accountability. The CGNC is briefed on a quarterly basis by the head of sustainability on the progress of Applied's sustainability objectives, including emerging climate-related risks and opportunities, progress on climate and energy goals, and relevant initiatives across the value chain. For additional information, review the Corporate Governance section of the 2024 Impact Report and the company's CDP Climate questionnaire to section C4 Governance.
b) Describe management's role in assessing and managing climate-related risks and opportunities.	Applied Materials' CEO and his executive team review, assess and provide input on the company's sustainability strategy through the annual strategic review process. Progress on our corporate sustainability goals, which include Applied's Net Zero 2040 Playbook™ and interim 2030 GHG targets, are included in the Corporate Scorecard. Applied Materials' head of sustainability presents progress towards climate goals and a discussion of emerging climate issues and opportunities to the CEO and the executive leadership team on a quarterly basis, for monitoring and review. An evaluation of climate risks is incorporated in Applied's Enterprise Risk Management (ERM) survey, which is conducted on an annual basis with the executive team. Applied's sustainability team conducts a more detailed TCFD-aligned climate risk assessment on an annual basis, engaging a broad group of stakeholders including leaders from the Legal and Compliance Organization, Finance, Environmental, Health and Safety, Global Workplace and Infrastructure, Operations, Business Continuity Planning, Semiconductor Products and Supply Chain teams. For additional information, review the company's CDP Climate questionnaire in section C4 Governance.

TCFD Index (cont'd)

Topic	Response and References
Strategy	
a) Describe the climate-related risks and opportunities the company has identified over the short, medium and long term.	For the purposes of climate risk and opportunity assessment, Applied defines timeframes as: ▪ Short-term: 0-5 years ▪ Medium-term: 6-10 years ▪ Long-term: 11-30 years Potential climate-related issues identified across timeframes: Physical Risks: ▪ Magnitude of exposure to physical risks is projected to vary geographically and temporally across value-chain and scenarios. ▪ On average, Applied Materials is projected to face the greatest increase in exposure to extreme heat, drought and storms, particularly in Southeast Asia and Israel. ▪ Applied sites are also projected to face increased exposure to certain hazards such as flooding and wildfire, depending on their geographic location. ▪ Water stress exposure is expected to increase throughout Applied Materials’ value chain, with the most notable impacts in the Western U.S., Southeast Asia, Asia and Israel. Transition Risks and Opportunities: ▪ Exposure to carbon price increases could increase operating costs, particularly under a Low Carbon Pathway. ▪ Compliance costs are projected to increase under a Low Carbon Pathway, as regulatory requirements on process gases increase. ▪ Shifting customer demand for less emissions-intensive equipment may be either a risk or opportunity depending on Applied’s ability to ramp up R&D activities to meet this demand and produce products that support decarbonization. ▪ Demand for Internet of Things, Communications, Automotive, Power and Sensors (ICAPS) products is projected to increase as the demand for power electronics that enable grid transformation grows. Processes used to determine materiality of risk and opportunity impacts ▪ Through a cross-functional stakeholder engagement process, Applied Materials identified and prioritized seven climate-related risks and opportunities for further analysis. Engagement approaches included interviews, workshops and surveys. ▪ Criteria used to prioritize analyzed risks and opportunities included the scale, scope, likelihood and mitigation approaches. For additional information, review the Environmental Progress section of the 2024 Impact Report and the company’s CDP Climate questionnaire in section C3 Disclosure of risks and opportunities.

TCFD Index (cont'd)

Topic	Response and References			
Strategy (cont'd)				
b) Describe the impact of climate-related risks and opportunities on the company's businesses, strategy and financial planning.	Description of potential impact of evaluated risks and opportunities:			
	Risk / Opportunity	Time-horizon	Financial planning areas potentially impacted	Potential strategies that may be impacted
	Exposure from extreme and chronic weather events	Long-term	Products and services, operations, supply chain, adaptation and mitigation activities	▪ New site selection ▪ Site-level capital allocation ▪ Acquisitions or divestments ▪ Access to capital from financial lenders due to sites being in high climate-risk areas ▪ Supplier and customer engagement strategy to increase climate resiliency ▪ Business continuity planning ▪ Water efficiency and conservation planning
	Water risk	Short-, medium- and long-term	Products and services, operations (especially R&D sites), supply chain	
	Carbon pricing	Medium-term	Operations	▪ Decarbonization efforts ▪ Compliance strategy for carbon-pricing mechanisms
	Regulations on process chemicals	Medium-term	Products and services, investment in R&D	▪ New product development ▪ Compliance strategy for fluorinated process gases ▪ R&D funding
	R&D pressure	Medium-term	Products and services, investment in R&D	▪ R&D funding ▪ New product development
	Product deselection	Medium-term	Products and services, supply chain, investment in R&D	▪ New product development ▪ Value chain decarbonization efforts and supplier engagement
	Customer demand	Medium-term	Products and services, investment in R&D	▪ New product development ▪ Market expansion ▪ Customer engagement to support development of ICAPS tools to capture new markets
	For additional information, review the Environmental Progress section of the 2024 Impact Report and the company's CDP Climate questionnaire in section C5 Business Strategy.			

TCFD Index (cont'd)

Topic	Response and References
Strategy (cont'd)	
b) Describe the impact of climate-related risks and opportunities on the company's businesses, strategy and financial planning (cont'd).	Resulting actions across business, strategy and planning: - Applied has global teams dedicated to business continuity planning and emergency response, including extensions to local facilities' teams that ensure our business is prepared to respond and recover quickly from climate-related events and effectively support customer and supplier operations. Resilience from climate-related events is also considered in the design and construction of new global facilities. While no individual weather event can be tied to climate change, our business continuity planning teams are tracking weather-related impacts to Applied's business operations over time. - As customer preferences shift toward resource-efficient products, Applied has and continues to invest in developing technologies that enable customers to meet current and future environmental obligations to their own customers, regulators and other stakeholders. Applied is actively producing technologies to reduce the power consumption of semiconductor chips and increase the effectiveness of abatement systems. The Sustainability Center of Excellence team is developing tools and services to improve the overall energy efficiency of semiconductor fabrication facilities. - Through its Net Zero 2040 Playbook, Applied has set its strategy and is organizing its teams to make progress towards a decarbonized future across its global operations, value chain and through its products. By doing so, Applied can proactively prepare and respond to climate-related market shifts, such as carbon pricing, emerging regulations and evolving customer needs. For additional information, review the Environmental Progress section of the 2024 Impact Report and the company's CDP Climate questionnaire in section C5 Business Strategy.
c) Describe the resilience of the company's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario.	Resilience of strategies across scenarios: - Applied has measures in place to mitigate various site-level climate risks, from expanding our global emergency response and business continuity teams, to implementing facilities upgrades and having proper insurance policies in place. Applied also considers potential climate-related risks in the selection and/or construction of new facilities. - Applied's 3x30 goals and strategy are enabling the transition to a low-carbon economy through the modeling and identification of energy- and emissions-reducing measures across our semiconductor products and customers' fab operations. Simultaneously, our supply chain SuCCESS2030 teams are scaling up their engagement with key suppliers on tracking and managing GHG emissions, and energy and water consumption. - Applied Materials' progress towards its Net Zero 2040 Playbook mitigates the risk of rising carbon pricing. - Applied Materials is working to mitigate compliance risks by pursuing reduction of fluorinated process gas use in products and PFAS across components where commercially and technically feasible. In addition, Applied is working to test alternatives to such chemicals. - Applied continues to invest in R&D and delivery of products to the market with reduced emissions impacts, including the announcement of its Vistara™ platform and Sculpta™ patterning tools. - Applied is continuing its delivery of ICAPS products, which are enabling improvements in power and grid decarbonization technologies. For additional information, review the Environmental Progress section of the 2024 Impact Report and the company's CDP Climate questionnaire in section C5 Business Strategy.

TCFD Index (cont'd)

Topic	Response and References																																		
Risk Management																																			
a) Describe the company’s processes for identifying and assessing climate-related risks.	Applied engaged a third party to complete and update its climate risk assessment, which models prioritized physical and transition risks across a Low and High Carbon Pathway, defined below:																																		
	Table 2: Scenarios used for analysis by risk																																		
	<table><tr><th></th><th>Category</th><th>Scenario used</th><th>Warming in 2050</th><th>Governing Body*</th></tr><tr><td rowspan="3">Low Carbon Pathway</td><td>Physical risks</td><td>RCP2.6-SSP1</td><td><2°C</td><td>IPCC</td></tr><tr><td>Water risk</td><td>RCP2.6-SSP1</td><td><2°C</td><td>IPCC</td></tr><tr><td>Transition risks and opportunities</td><td>Net Zero Emissions by 2050 (NZE2050)</td><td>1.5°C</td><td>IEA</td></tr><tr><td rowspan="4">High Carbon Pathway</td><td>Physical risks</td><td>RCP8.5-SSP5</td><td>4°C+</td><td>NGFS</td></tr><tr><td>Water risk</td><td>RCP8.5-SSP3</td><td>4°C+</td><td>IPCC</td></tr><tr><td rowspan="2">Transition risks and opportunities</td><td>Stated Policies (STEPS)</td><td>2°C</td><td>IEA</td></tr><tr><td>Current Policies</td><td>3°C+</td><td>NGFS</td></tr></table>		Category	Scenario used	Warming in 2050	Governing Body*	Low Carbon Pathway	Physical risks	RCP2.6-SSP1	<2°C	IPCC	Water risk	RCP2.6-SSP1	<2°C	IPCC	Transition risks and opportunities	Net Zero Emissions by 2050 (NZE2050)	1.5°C	IEA	High Carbon Pathway	Physical risks	RCP8.5-SSP5	4°C+	NGFS	Water risk	RCP8.5-SSP3	4°C+	IPCC	Transition risks and opportunities	Stated Policies (STEPS)	2°C	IEA	Current Policies	3°C+	NGFS
		Category	Scenario used	Warming in 2050	Governing Body*																														
	Low Carbon Pathway	Physical risks	RCP2.6-SSP1	<2°C	IPCC																														
Water risk		RCP2.6-SSP1	<2°C	IPCC																															
Transition risks and opportunities		Net Zero Emissions by 2050 (NZE2050)	1.5°C	IEA																															
High Carbon Pathway	Physical risks	RCP8.5-SSP5	4°C+	NGFS																															
	Water risk	RCP8.5-SSP3	4°C+	IPCC																															
	Transition risks and opportunities	Stated Policies (STEPS)	2°C	IEA																															
		Current Policies	3°C+	NGFS																															
- Applied conducts a cross-functional stakeholder engagement process to assess climate-related risks through a range of interviews, workshops and surveys. - Exposure to nine hazards (including storm, precipitation, hail, wind speed, flooding, extreme heat, wildfires, extreme cold and drought) and water risk is assessed for sites representing over 80% of Applied's operational footprint and property value. - Projected operating costs due to carbon pricing were assessed under climate scenarios provided by NGFS. - Regulatory, R&D and product-related transition risks were evaluated both qualitatively and quantitatively across scenarios based on representative business data.																																			
For additional information, review the company’s CDP Climate questionnaire in section C2 Identification, assessment, and management of dependencies, impacts, risks, and opportunities and C5 Business Strategy.																																			

TCFD Index (cont'd)

Topic	Response and References
Risk Management	
b) Describe the company's processes for managing climate-related risks.	Refer to sections above describing Applied's actions and strategy to respond and prepare for climate-related transition risks. Applied uses a risk-assessment structure to identify processes or conditions of concern. Our aim is to anticipate risks, establish mitigation plans and prepare so we can ensure a quick recovery in the event of a catastrophe. Applied also monitors transition risks, including potential climate-related regulatory changes that may impact our business operations or products. Risks are prioritized based on scale, scope, likelihood and mitigation approaches. Once risks are prioritized, Applied begins planning for different scenarios and impacts with relevant teams and stakeholders to develop business continuity plans and complete drills and exercises annually to remain prepared to support our business, customers and supplier operations. At the asset level, our site facilities and business continuity planning teams identify local physical risks and concerns to business units and operations. These teams use the ISO 14001 EMS, PSI Behavior Change, Human and Organizational Performance (HOP) principles or variations of these frameworks to identify site-specific concerns. The physical climate and water risk assessment process is used to identify and monitor those facilities that are most susceptible to acute and chronic risks based on their geographical location. For additional information, review the company's CDP Climate questionnaire in section C2 Identification, assessment and management of dependencies, impacts, risks and opportunities.
c) Describe how processes for identifying, assessing and managing climate-related risks are integrated into the company's overall risk management.	Applied's Enterprise Risk Management (ERM) program provides perspective into existing and potential risks. The ERM program is overseen by the Board's Audit Committee, with a focus on identifying the most significant strategic, operational, financial, legal and compliance risks. An evaluation of climate-related risks is included in Applied's ERM survey, which is conducted on an annual basis with company leadership. Applied defines substantive climate-related risks as risks that could materially and adversely affect Applied's business, financial condition, operations and/or reputation. Our risk assessment processes allow us to evaluate and prioritize the impact of emerging and ongoing risks, which would be considered substantive based on factors like probability, magnitude and anticipated time horizons, depending on the scenario. For additional information, review the company's CDP Climate questionnaire in section C2 Identification, assessment and management of dependencies, impacts, risks, opportunities and C5 Business Strategy.

TCFD Index (cont'd)

Topic	Response and References
Metrics and Targets	
a) Disclose the metrics used by the company to assess climate-related risks and opportunities in line with its strategy and risk management process.	Applied’s comprehensive, annual tracking of environmental metrics (included in this Data and Disclosures section) such as greenhouse gas emissions, energy and water help inform which parts of our business or value chain may have greater exposure to relevant climate-related risks and opportunities, depending on how those metrics are trending. Business metrics relating to the probability, magnitude and duration of the potential impacts are also assessed. The Business Continuity Planning team also monitors and tracks any events that may disrupt Applied operations or impact employees, including certain potentially climate-related events such as storms, excessive heat events and water-related interruptions. The team is monitoring the frequency and impact of such events to the business (e.g., hours/days of operation disruption and the number of employees impacted). For additional information, review the company’s CDP Climate questionnaire in section C2 Identification, assessment and management of dependencies, impacts, risks, opportunities and C5 Business Strategy.
b) Disclose Scope 1, Scope 2 and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	See the Environmental Metrics section above, pages 61-62. For additional information, review the company’s CDP Climate questionnaire in section C7 Environmental performance - Climate Change
c) Describe the targets used by the company to manage climate-related risks and opportunities, and performance against targets.	Progress against various climate-related targets is reported in the Environmental Progress section of the 2024 Impact Report and the company’s CDP Climate questionnaire in section C7 Environmental performance - Climate Change.

GRI Index

Applied Materials has reported in reference to the GRI Standards for the period of October 30, 2023 to October 27, 2024 using the GRI 1: Foundation 2021.

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 2: General Disclosures 2021		
The organization and its reporting practices		
2-1 Organizational Details	Applied Materials	
2-2 Entities included in the organization’s sustainability reporting	About this Report, page 57	
2-3 Reporting period, frequency and contact points	Applied Materials publishes our Impact Report annually. Our reporting period is October 30, 2023 to October 27, 2024. The Impact Report will be published in July 2025.	
2-4 Restatements of information	Applied has footnoted any restated data in the Environmental and Social data tables above, as well as throughout the 2024 Impact Report.	
2-5 External assurance	ERM CVS has conducted limited assurance of select environmental, social and community impact data metrics for FY2024. For more information on the scope and approach, please see the assurance statement referenced at the end of the fiscal 2024 Impact Report on page 58 .	
Activities and workers		
2-6 Activities, value chain and other business relationships	World Location Map, page 8 Applied Materials Value Chain, page 7 About Applied Materials, page 6 There have been no significant changes to our company or supply chain.	2024 Annual Report , pages 4-7
2-7 Employees	Workforce Metrics, page 65 Applied Materials will consider providing a more detailed breakdown of our workforce data by gender and region in future reporting cycles.	
2-8 Workers who are not employees	Workforce Metrics, page 65	

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
Governance		
2-9 Governance structure and composition	Corporate Governance, page 14	2025 Proxy Statement , pages 1-12 Corporate Governance Guidelines
2-10 Nomination and selection of the highest governance body		2025 Proxy Statement , pages 1-12, 16-17 Corporate Governance Guidelines
2-11 Chair of the highest governance body		2025 Proxy Statement , pages 1-12, 16-17 Corporate Governance Guidelines
2-12 Role of the highest governance body in overseeing the management of impacts	Corporate Governance, page 14	2025 Proxy Statement , pages x, 19-20 Corporate Governance Guidelines
2-13 Delegation of responsibility for managing impacts	Corporate Governance, page 14 Environmental, Health and Safety, EHS Policies, Systems and Governance, page 20	2025 Proxy Statement , pages x, 23-24 Corporate Governance Guidelines
2-14 Role of the highest governance body in sustainability reporting	Corporate Governance, page 14	2025 Proxy Statement , page 24
2-15 Conflicts of interest		2025 Proxy Statement , pages 14-24 Standards of Business Conduct , page 15 Corporate Governance Guidelines
2-16 Communication of critical concerns		2025 Proxy Statement , page 22 Corporate Governance Guidelines
2-17 Collective knowledge of the highest governance body		2025 Proxy Statement , pages iii, 1-14 Corporate Governance Guidelines Standards of Business Conduct , page 6
2-18 Evaluation of the performance of the highest governance body		2025 Proxy Statement , pages 17-18 Corporate Governance Guidelines

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
Governance (cont'd)		
2-19 Remuneration policies		2025 Proxy Statement , pages vii-ix, 25-26, 36-39, 50 Corporate Governance Guidelines
2-20 Process to determine remuneration		2025 Proxy Statement , pages 37-51
2-21 Annual total compensation ratio		2025 Proxy Statement , pages 37-46, 59
Strategy, policies and practices		
2-22 Statement on sustainable development strategy	Message from Our CEO, page 4	
2-23 Policy commitments		Standards of Business Conduct Human Rights Statements of Principles Responsible Minerals Sourcing Policy
2-24 Embedding policy commitments		Standards of Business Conduct Human Rights Statements of Principles
2-25 Process to remediate negative impacts		Standards of Business Conduct Human Rights Statements of Principles Occupational Health and Safety Overview
2-26 Mechanisms for seeking advice and raising concerns	Ethics and Compliance, page 17	Standards of Business Conduct , page 8
2-27 Compliance with laws and regulations		Occupational Health and Safety Overview
2-28 Membership associations	Public Policy, Business and Trade Associations, pages 22-24	2024 Applied Materials U.S. Trade, Business and Civic Association Memberships
2-29 Approach to stakeholder engagement		2025 Proxy Statement , page v, page 21 Corporate Governance Guidelines
2-30 Collective bargaining agreements	Applied Materials participates in collective bargaining agreements at certain sites in Germany and the Netherlands where employees have formal representation on works councils. One of Applied’s sites in Italy has trade union representatives.	

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
Material Topic Disclosures		
GRI 3: Material Topics		
3-1 Process to determine material topics	Impact Materiality Assessment, page 10	
3-2 List of material topics		
GRI 205: Anti-Corruption 2016		
3-3 Topic Management Disclosure	Ethics and Compliance, page 16	
205-1 Operations assessed for risks related to corruption	We conduct periodic anti-corruption risk assessments across our global operations, utilizing the results to continually enhance our anti-corruption policies and procedures. In addition, we participate in RBA assessments and audits that include an evaluation of corruption risk.	Standards of Business Conduct , page 15
205-2 Communication and training about anti-corruption policies and procedures	Ethics and Compliance, page 16	Standards of Business Conduct , page 15
GRI 302: Energy 2016		
3-3 Topic Management Disclosure	Environmental Progress, page 40	
302-1 Energy consumption within the organization	Environmental Metrics, page 61	
302-2 Energy consumption outside the organization	Environmental Metrics, page 62	
302-3 Energy intensity	Environmental Metrics, page 61	
302-4 Reduction of energy consumption	Progress on GHG Emissions, pages 42-45 Environmental Metrics, page 61	
302-5 Reductions in energy requirements of products and services	Environmental Progress, pages 42-55	

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 303: Water and Effluents 2018		
3-3 Topic Management Disclosure	Applied Materials CDP Climate Change and Water Security 2024 Water Management, page 55	
303-1 Interactions with water as a shared resource		
303-2 Management of water discharge-related impacts		
303-3 Water withdrawal	Environmental Metrics, page 63	
303-4 Water discharge		
303-5 Water consumption		
GRI 305: Emissions 2016		
3-3 Topic Management Disclosure	Progress on GHG Emissions, pages 42-45 TCFD Index, pages 73-79	
305-1 Direct (Scope 1) GHG emissions	Environmental Metrics, page 61	
305-2 Energy-indirect (Scope 2) GHG emissions	Environmental Metrics, page 61	
305-3 Other indirect (Scope 3) GHG emissions	Environmental Metrics, page 62	
305-4 GHG emissions intensity	Environmental Metrics, page 61	
305-5 Reduction of GHG emissions	Progress on GHG Emissions, pages 42-45	

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 306: Waste 2020		
3-3 Topic Management Disclosure	Waste Management, page 55	
306-1 Waste generation and significant waste-related impacts		
306-2 Management of significant waste-related impacts		
306-3 Waste generated	Environmental Metrics, page 64	
306-4 Waste diverted from disposal		
306-5 Waste directed to disposal		
GRI 308: Supplier Environmental Assessment 2016		
3-3 Topic Management Disclosure	Transforming our Supply Chain, page 52	
308-1 New suppliers that were screened using environmental criteria	Transforming our Supply Chain, page 52	
308-2 Negative environmental impacts in the supply chain and actions taken	Supply Chain Responsibility, page 34-35 ; Transforming our Supply Chain, page 52	
GRI 401: Employment 2016		
3-3 Topic Management Disclosure	Empowering People, pages 25-28	
401-1 New employee hires and employee turnover	Workforce Metrics, page 65	
401-2 Benefits provided to FTEs that are not provided to temporary or PTEs		U.S. Total Rewards Summary
401-3 Parental leave	Employee Benefits, page 30	Applied Materials U.S. Benefits U.S. Total Rewards Summary , page 5

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 403: Occupational Health and Safety 2018		
3-3 Topic Management Disclosure	Environmental, Health and Safety, pages 20-21	Occupational Health and Safety Overview
403-1 Occupational health and safety management system		
403-2 Hazard identification, risk assessment and incident investigation		
403-3 Occupational health services		
403-4 Worker participation, consultation and communication on occupational health and safety		
403-5 Worker training on occupational health and safety		
403-6 Promotion of worker health		
403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships		
403-8 Workers covered by an occupational health and safety management system	Occupational Health and Safety, page 21 Employee Health and Safety Metrics, page 69	
403-9 Work-related injuries		
GRI 404: Training and Education 2016		
3-3 Topic Management Disclosure	Learning and Development, page 31	
404-1 Average hours of training per year per employee	Workforce Metrics, page 68	
404-2 Programs for upgrading employee skills and transition assistance programs	Learning and Development, pages 30-32	Learning and Development Overview
404-3 Percentage of employees receiving regular performance and career development reviews	Learning and Development, pages 30-32	

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 405: Diversity and Equal Opportunity 2016		
3-3 Topic Management Disclosure	Winning Team, page 27	
405-1 Diversity of governance bodies and employees	Winning Team, page 27 Workforce Metrics, pages 65-67	2025 Proxy Statement , pages x, 40-42
GRI 408: Child Labor 2016		
3-3 Topic Management Disclosure	Human Rights, page 33 Supply Chain Responsibility, page 34	Human Rights Statements of Principles
408-1 Operations and suppliers at significant risk for incidents of child labor	Supply Chain Responsibility, page 34	Statement under the California Transparency in Supply Chains Act Standards of Business Conduct
GRI 409: Forced or Compulsory Labor 2016		
3-3 Topic Management Disclosure	Human Rights, page 33 Supply Chain Responsibility, page 34	Human Rights Statements of Principles
409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Supply Chain Responsibility, pages 34-35	Statement under the California Transparency in Supply Chains Act Standards of Business Conduct , page 19 Human Rights Statements of Principles Responsible Minerals Sourcing Policy
GRI 414: Supplier Social Assessment 2016		
3-3 Topic Management Disclosure	Supply Chain Responsibility, pages 34-35	
414-1 New suppliers that were screened using social criteria		
414-2 Negative social impacts in the supply chain and actions taken		

GRI Index (cont'd)

Disclosure	2024 Report Locations and Narrative Responses	Applied Materials External Reference
GRI 415: Public Policy 2016		
3-3 Topic Management Disclosure	Public Policy, page 22	Corporate Governance Guidelines
415-1 Political contributions	Public Policy, Political Contributions, page 24	2024 Political Contributions
GRI 416: Customer Health and Safety 2016		
3-3 Topic Management Disclosure	Product Safety, page 21	
416-1 Assessment of the health and safety impacts of product and service categories		
GRI 417: Marketing and Labeling 2016		
3-3 Topic Management Disclosure	Product Safety, page 21	
417-1 Requirements for product and service information and labeling		

