
Make Possible[®] a Better Future

Sustainability
Report
2020 Annex





Data and Disclosures

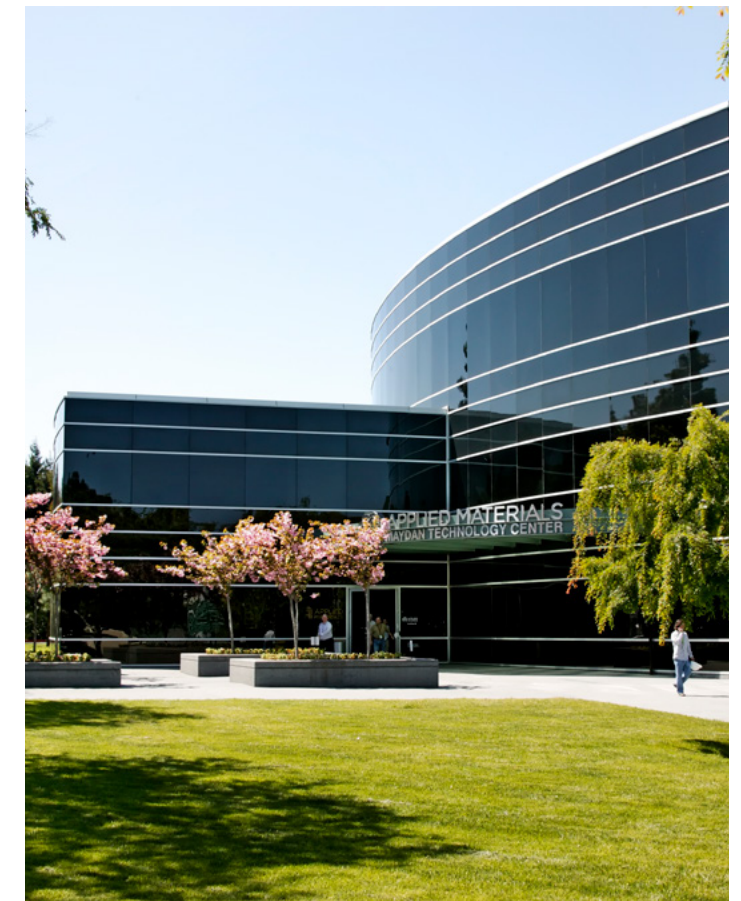
Applied Materials is driven to Make Possible a Better Future for everyone.

About Applied Materials

In developing our 2020 Sustainability Report, we have compiled key quantitative data in accordance with Global Reporting Initiative (GRI) standards and Sustainability Accounting Standards Board (SASB) frameworks. This Annex is organized by key Environment, Social, and Governance (ESG) themes and is followed by our SASB and GRI Content Indices.

	FY2020	FY2019	FY2018
Company Profile			
Revenue (\$billions)	\$17.2	\$14.6	\$16.7
Net income (\$billions)	\$3.6	\$2.7	\$3.0
R&D (\$billions)	\$2.20	\$2.05	\$2.02
Number of patents	~14,300	~13,300	~12,500
Number of locations / countries	>110 locations in 19 countries	100 locations in 18 countries	93 locations in 17 countries

Find more information about Applied Materials in our [2020 Annual Report](#).



Corporate Governance

Board's Functions: The Board's functions are to provide general oversight of management, including reviewing the company's performance and operating plans. The Board also performs a number of specific functions, including:

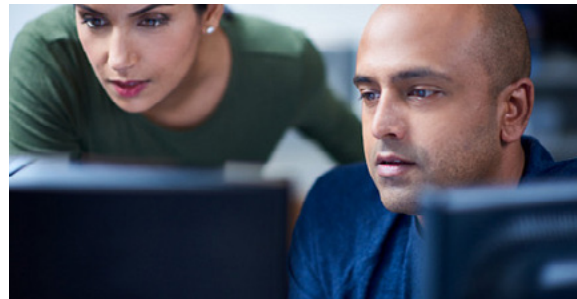
- Overseeing financial and corporate strategies and major corporate actions
- Reviewing and approving long-term strategic plans and overseeing the execution of such plans
- Nominating directors, reviewing the operation of the Board, and overseeing corporate governance
- Overseeing the assessment of major risks facing the company
- Ensuring the integrity and transparency of the company's financial statements, compliance with laws and ethics, the integrity of relationships with customers and suppliers, and relationships with other stakeholders
- Selecting the company's CEO and Chairman of the Board
- Selecting the company's Lead Independent Director, if applicable



Growth Technical Advisory Board (GTAB)

Comprising technology experts from industry, academia, and government, GTAB advises on ways Applied Materials' products and technologies can address challenges, create opportunities, and enable a better future. Launched in 2020, GTAB is led by our CTO.

The Board has established the following committees to assist in discharging its responsibilities:



Audit

Focuses on oversight of financial information, policies and disclosures, accounting and internal auditing, and cybersecurity risks, as well as the company's tax, legal, regulatory, and ethical compliance.

[Audit Committee Charter](#)



Corporate Governance and Nominating

Oversees the overall effectiveness, integrity, and accountability of the Board. Oversees the company's corporate governance guidelines, the Board's composition, and the structure and evaluation of the Board and its committees, and helps identify director nominees. It also has responsibility for oversight of the company's ESG program, as well as EHS and sustainability matters.

[Corporate Governance and Nominating Committee Charter](#)



Human Resources and Compensation

Reviews human capital management, including culture and inclusion and diversity initiatives. It also reviews performance incentives and programs to foster accountability for corporate initiatives and employee development and retention.

[Human Resources and Compensation Committee Charter](#)



Strategy and Investment

Oversees Applied's strategic and investment priorities and supports efforts to foster growth through innovation. It also advises management on strategic and business plans for technologies, products, services, and customer and supplier mix and targeting.

Risk Oversight and Management

Within Applied Materials, our 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.

Risk management is the responsibility of the entire Board of Directors. In addition, oversight responsibility for a particular risk may fall within one of the Board committees' areas of responsibility and expertise.

Learn more [here](#).

Stakeholder Engagement

Robust stakeholder engagement enables us to understand and respond to our shareholders' concerns and ideas on how we improve our support and strengthen our partnerships with them. We review, analyze, and incorporate their feedback into our strategic business planning, processes, and practices. We regularly engage with our primary stakeholders and communicate through a variety of channels. Key stakeholders include:

- Employees
- Customers
- Suppliers
- Board of Directors
- Investors
- Regulators
- Community



Political Contributions

The Applied Materials, Inc, Political Action Committee (AMPAC) was established in 2004 and helps the company participate in the political process. In full compliance with U.S. laws and regulations, campaign contributions are disbursed to candidates for state or federal office and to political action or political party committees. While the company pays its administrative expenses, AMPAC is funded entirely through voluntary contributions from eligible employees. Its activities are overseen by the AMPAC Board of Directors. AMPAC contributions are reviewed and approved by the AMPAC Board of Directors prior to issuance. In addition, they are reviewed by outside council to verify that they are consistent with AMPAC's contribution policies and criteria.

Neither the company nor AMPAC makes contributions to so-called super PACs, and political contributions are limited to within the U.S. AMPAC files its contributions reports monthly and quarterly with the Federal Election Commission (FEC), and these are available through the FEC online database.

State Contributions Committee: This committee, consisting of the same individuals who serve on the AMPAC Board, oversees corporate political spending at the state and local levels. When warranted, we use corporate funds to make financial and in-kind political contributions within the U.S. as permitted by applicable laws, such as contributions to candidates for statewide offices and state legislatures, as well as to local or regional ballot measures. All contributions are disclosed publicly on our website biannually.

	CY 2020	CY 2019	CY 2018
Political Contribution Data			
Total value of financial and in-kind contributions to political parties, candidates, and related institutions by Applied Materials	\$0	\$0	\$10,000
Total value of financial and in-kind contributions to political parties, candidates, and related institutions by AMPAC	\$53,500	\$84,000	\$47,000

Environmental Data

In 2021, Applied Materials completed the process of migrating our environmental data tracking to a new, more robust system called Intalex SPI. With this transition, Applied Materials has identified updates and corrections to its 2019 data, which are incorporated in the table below. CY2018 data was collected using a different system, thereby making comparisons challenging between CY2018 and CY2019.

		UNITS	CY 2020	CY 2019	CY 2018
CLIMATE/GHG EMISSIONS					
Scope 1	Process gas		25.2	15.1	14.2
	Refrigerant		1.8	1.1	1.3
	Natural gas		21.9	23.1	23.0
	Total Scope 1 ^A	Thousand tCO ₂ e	48.9	39.3	38.5
Scope 2 (market-based)* ^A	Electricity		102.4	104.9	113.5
Scope 1 + Scope 2 ^A			151.3	144.2	151.9
Scope 3 (employee travel)			8.4	29.0	30.0
GHG Intensity ^A	Total Scope 1 and Scope 2 in tCO ₂ e per regular FTE		6.3	6.2	6.8
	Total Scope 1 and Scope 2 in tCO ₂ e per million dollars of revenue in FY2020		8.8	9.9	9.1

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, excluding mobile sources. Emissions are calculated using eGRID factors, IEA 2019/2020, and ERCOT and uses estimations where actual data is not available.

*Scope 2 (location-based) emissions for CY2020 = 126.6 thousand tCO₂e

^A 2020 data assured by ERM CVS. See our data-assurance statement on page 74 of the [Sustainability Report](#).

	UNITS	CY 2020	CY 2019	CY 2018
ENERGY				
Electricity Consumption ^A		394,370	402,071	369,929
Solar total (on-site generation)		374	385	3,403
REC total (unbundled RECs + GreenChoice)	MWh	64,133	64,623	62,579
Credits from Community Choice		49,744	49,415	39,679
Total Renewable Energy * ^A		121,982	118,182	105,662
Renewable Energy Rate (out of total electricity consumption)** ^A	%	30.9%	29.4%	29.0%
Energy Intensity ^A	MWh of energy consumed per regular FTE	21.5	22.8	16.5
	MWh of energy consumed per million dollars of revenue in FY2020	30.0	36.3	22.1

* Includes Gloucester renewable wind generation, although Applied sells all of the RECs generated.

** Renewable energy as percent of total energy (direct and indirect) for CY2020 = 23.6%

	UNITS	CY 2020	CY 2019	CY 2018
WATER				
Total Water Withdrawal		2,035	1,962	1,768
City water purchased		2,017	1,940	
Groundwater	Megaliters	17	23	
Total Water Consumed		2,035	1,962	1,768
Domestic water		1,950	1,854	
Irrigation		68	86	
Water Withdrawal in Stressed Areas	%	14%	14%	13%
WASTE				
Non-hazardous recycling diversion rate	%	80%	79%	83%
Total non-hazardous waste		8.1	12.1	13.9
<i>Non-hazardous: landfill + incineration</i>		1.5	2.2	2.3
<i>Non-hazardous: diverted</i>	Thousand MT	6.6	9.9	11.5
Total hazardous waste		.2	.4	.4
Total waste generation		8.3	12.5	14.3
PRODUCT RESPONSIBILITY				
Refurbish tools	Count	147	155	180

Social Data

	FY 2020	FY 2019	FY 2018
Global Workforce ^A			
Total Workforce	25,775	23,234	22,392
Regular full-time employees	24,031	22,014	21,038
Temporary workers	1,637	1,114	1,231
Interns	107	106	123
Female Representation of the Global Workforce ^A			
Women on Applied Materials' Board of Directors	30%	30%	20%
Total Women in Workforce	17.8%	17.4%	17%
Women Executives (Vice Presidents and Directors)	11.2%	11.1%	11%
Women Managers (People Managers)	15.5%	14.9%	13.9%
Women Professionals (Business, Engineering, and Sales Career Bands)	25.8%	25.3%	24.9%
Women Engineering Employees	13.2%	12.7%	12.2%
Female Representation of U.S. Workforce ^A			
Total Workforce	20.2%	19.5%	19.3%
Women Executives (Vice Presidents and Directors)	11.6%	11.3%	11.6%
Women Managers (People Managers)	17.4%	16.1%	14%

^A 2020 data assured by ERM CVS. See our data-assurance statement on page 74 of the [Sustainability Report](#).

	FY 2020	FY 2019	FY 2018
Women Professionals (Business, Engineering, and Sales Career Bands)	26.9%	26.1%	25.9%
Women Engineering Employees	12.9%	12.4%	12.2%
Female Representation by Region			
AMER	20.2%	19.5%	19.3%
APAC	15.7%	15.6%	14.8%
EMEA	16.7%	16.5%	15.4%
Ethnicity and Race Representation in the U.S. Workforce ^A			
White	48.0%	49.8%	51.0%
Asian	37.3%	36.8%	35.8%
Hispanic/Latinx	8.4%	7.8%	7.6%
Black/African American	3.9%	3.7%	3.7%
Two or more races	1.4%	1.4%	1.4%
Native Hawaiian or Pacific Islander	0.3%	0.2%	0.2%
American Indian or Alaska Native	0.2%	0.3%	0.2%

In FY2020, 0.5% of employees did not disclose race/ethnicity

HIRING AND RECRUITMENT ^A

	FY 2020	FY 2019	FY 2018
U.S. Employee New Hires			
Female new hires (excludes NCG female hires)	26.9%	26.0%	25.5%
U.S. Intern Program			
Female intern hires	60.2%	44.4%	44.2%
U.S. New College Graduate (NCG) Program			
Female NCG hires	37.6%	29.5%	38.1%

GLOBAL VOLUNTARY TURNOVER ^A

	FY 2020	FY 2019	FY 2018
Global Total			
Total global voluntary turnover	4.6%	5.0%	5.2%
Global Turnover by Gender			
Global female turnover	4.7%	6.7%	6.4%
Global male turnover	4.5%	4.7%	4.9%

LEARNING AND DEVELOPMENT	FY 2020	FY 2019	FY 2018
Total Workforce (includes all regular full-time, temporary, and interns)			
Total learning hours	1,353,985	1,407,932	1,311,582
Total individual learners	23,214	32,087	26,704
Average training hours per person	58	44	49
Regular Full-Time Employees			
Total learning hours	1,353,985	1,336,812	1,256,846
Total individual learners	23,214	21,850	20,930
Average training hours	58	61	62
Percentage of employees completed training/learning hours	98%	99%	99%
Contingent Workers			
Total learning hours	82,286	71,120	54,735
Average training hours	8	7	8

HEALTH AND SAFETY	FY 2020	FY 2019	FY 2018
Employee Health and safety			
Total Case Incident Rate (TCIR) ^A	0.33	0.43	0.52
Days Away, Restricted, or Transferred (DART) rate ^A	0.23	0.29	0.34
Lost Time Severity Rate (LTSR)	3.70	3.63	5.41
Fatalities ^A	0	0	0
COMMUNITY IMPACT			
Community Giving and Investments			
Total community investments ^A	\$14.92M	\$10.8M	\$10.9M
<i>Total community investments by Applied Materials, Inc</i>	\$3.84M	\$2.8M	\$2.8M
<i>Total community investments by the Applied Materials Foundation (excludes administrative)</i>	\$11.08M	\$8.0M	\$8.1M
Total giving through the Foundation Match Program (employee gifts plus match) ^A	\$7.42M	\$6.6M	\$6.2M
Total Volunteer Time Grant hours logged* (calendar year) ^A	8183	15,174	16,328
Total contributions by Applied Materials based on Time Grant hours (calendar year) ^A	\$28,400	\$49,000	\$50,800

* Volunteer hours and Time Grants were reduced by the COVID-19 pandemic and stay-at-home orders, which employees were encouraged to follow.

SASB Index

TOPIC	CODE	ACCOUNTING METRIC	2020	2019	2018	NARRATIVE RESPONSE/REPORT LOCATION
Greenhouse Gas Emissions	TC-SC-110a.1	Gross global Scope 1 emissions	48,900 tCO ₂ e	39,300 tCO ₂ e	38,516 tCO ₂ e	Additional emissions data available in the Environmental Data table above, page 8
		Amount of total emissions from perfluorinated compounds	n/a	n/a	n/a	This data is not tracked at this time
	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 "Climate and Energy" section of 2020 Sustainability Report, page 44-47
Energy Management in Manufacturing	TC-SC-130a.1	Total energy consumed	516,451 MWh	530,201 MWh	369,929 MWh	Additional energy data available in the Environmental Data table above, page 8
		Percentage of energy consumed that was supplied from grid electricity	69.1%	70.6%	n/a	
		Percentage of energy consumed that is renewable energy	30.9%	29.4%	29%	

TOPIC	CODE	ACCOUNTING METRIC	2020	2019	2018	NARRATIVE RESPONSE/REPORT LOCATION
Water Management	TC-SC-140a.1	Total water withdrawn	2,035,000 m ³	1,962,000 m ³	1,767,563 m ³	Additional water data available in the Environmental Data table above, page 8
		Percentage of water withdrawn in regions with high or extremely high baseline water stress	13.95%	13.95%	12.97%	See "Water Management" section of the 2020 Sustainability Report, pages 52-53
		Total water consumed	2,035,000 m ³	1,962,000 m ³	n/a	
		Percentage of water consumed in regions with high or extremely high baseline water stress	13.95%	n/a	n/a	
Waste Management	TC-SC-150a.1	Amount of hazardous waste from manufacturing	164 Metric Ton	437 Metric Ton	420 Metric Ton	Additional waste data available in the Environmental Data table above, page 10
		Percentage of hazardous waste recycled	n/a	n/a	n/a	Applied Materials recycles hazardous waste, but the systems to track and monitor such data were not yet in place for 2020
Employee Health and Safety	TC-SC-320a.1	Description of efforts to assess, monitor, and reduce exposure of employees to human health hazards				See "Occupational Health and Safety" section of 2020 Sustainability Report, pages 36-37
	TC-SC-320a.2	Total amount of monetary losses as a result of legal proceedings associated with employee health and safety violations				In 2020, Applied received zero notices of violation worldwide

TOPIC	CODE	ACCOUNTING METRIC	2020	2019	2018	NARRATIVE RESPONSE/REPORT LOCATION
Recruiting and Managing a Global and Skilled Workforce	TC-SC-330a.1	Percentage of employees that are (1) foreign nationals and (2) located offshore	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	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	
Materials Sourcing	TC-SC-440a.1	Description of the management of risks associated with the use of critical materials				See "Supplier Assessments and Audit" (page 68) "Responsible Minerals Sourcing" (page 69) of our 2020 Sustainability Report and our 2020 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	
Activity Metrics	TC-SC-000.A	Total production	2,891	2,011	2,572	Production data includes semiconductor equipment (PDC, EPG, and SPG)
	TC-SC-000.B	Percentage of production from owned facilities	85%	85%	85%	

GRI Index

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 102: General Disclosures		
Organizational Profile		
102-1 Name of the organization	Applied Materials (AMAT)	
102-2 Activities, brands, products, and services		2020 Annual Report , Business, pages 9-14
102-3 Location of headquarters	Santa Clara, California, United States	Worldwide locations
102-4 Location of operations		2020 Annual Report , Properties, page 34 Worldwide locations
102-5 Ownership and legal form		2020 Annual Report , Market for Registrant's Common Equity, Related Stockholder Matters, page 36 Amended and Restated Certificate of Incorporation of Applied Materials, Inc.
102-6 Markets served		2020 Annual Report , Properties, page 36 Worldwide locations
102-7 Scale of the organization	Annex, About Applied Materials, page 3 Annex, Social Data, page 11 SASB Index, pages 15-17	2020 Annual Report , pages 9, 34, 39
102-8 Information on employees and other workers	Annex, Social Data, pages 11-12	
102-9 Supply chain	Supply Chain Responsibility, pages 66-72	
102-10 Significant changes to the organization and its supply chain	There have been no significant changes to our company or supply chain	

Page references to our 2020 Annual Report, 2021 Proxy Statement, and Standards of Business Conduct refer to pdf pagination, not document pagination.

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
102-11 Precautionary principle or approach	Climate and Energy, Climate Risk, page 45 Water Management, Risk Assessment, pages 52-53 Product Safety, page 65 Supply Chain Responsibility, Supplier Assessments and Audit, page 68 Annex, Risk Oversight and Management, page 6	2021 Proxy Statement , pages 29-30
102-12 External initiatives	Supply Chain Responsibility, Supplier Assessments and Audit, page 68	Statement under the California Transparency in Supply Chains Act Standards of Business Conduct Responsible Minerals Sourcing Policy
102-13 Membership of associations	Business and Trade Associations, page 15	2020 U.S. Trade, Business and Civic Associations Membership
Strategy		
102-14 Statement from senior decision-maker	Message from Our CEO, page 4	
Ethics and Integrity		
102-16 Values, principles, standards, and norms of behavior	Ethics and Compliance, pages 12-13	Standards of Business Conduct
102-17 Mechanisms for advice and concerns about ethics	Ethics and Compliance, pages 12-13	Standards of Business Conduct
Governance		
102-18 Governance structure	Corporate Governance, pages 10-11 Annex, Governance, page 4	2021 Proxy Statement , page 28 Corporate Governance Guidelines
102-19 Delegating authority	ESG Oversight and Management, page 10 Annex, Governance, page 4	2021 Proxy Statement , page 7-14 Corporate Governance Guidelines

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
102-20 Executive-level responsibility for economic, environmental, and social topics	Corporate Governance, ESG Oversight and Management, page 10 EHS, Environmental Policies, Systems and Governance, page 48 Annex, Governance, page 4	2021 Proxy Statement , page 17
102-21 Consulting stakeholders on economic, environmental, and social topics	Policy Engagement, page 14 Business and Trade Associations, page 15 Leading Industry-Wide Change, page 61 Annex, Stakeholder Engagement, page 7	2021 Proxy Statement , pages 13, 31
102-22 Composition of the highest governance body and its committees	Annex, Governance, page 4	2021 Proxy Statement , pages 19, 26, 32-33 Corporate Governance Guidelines
102-23 Chair of the highest governance body	Annex, Governance, page 4	2021 Proxy Statement , pages 19-24, 28
102-24 Nominating and selecting the highest governance body	Annex, Governance, page 4	2021 Proxy Statement , pages 7, 25-27, 33
102-25 Conflicts of interest	Standards of Business Conduct, pages 12-13	2021 Proxy Statement , page 25 Standards of Business Conduct Corporate Governance Guidelines , pages 3-4, 9
102-26 Role of highest governance body in setting purpose, values, and strategy	Message from our CEO, page 4 Corporate Governance, pages 10-12 Annex, Governance, page 4	Corporate Governance Guidelines , pages 6
102-27 Collective knowledge of highest governance body		2021 Proxy Statement , pages 19-24, 28
102-28 Evaluating the highest governance body's performance		2021 Proxy Statement , pages 28, 42, 67 Corporate Governance Guidelines , pages 6, 8

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
102-29 Identifying and managing economic, environmental, and social impacts	Our Sustainability Vision and Strategy, page 5 Invest in People, pages 22-41 Protect Our Planet, pages 42-53 Innovate for Progress, pages 54-72	2021 Proxy Statement , pages 16, 31
102-30 Effectiveness of risk management processes	Occupational Health and Safety, pages 36-37 Climate Risks, page 45 Assessing Water Risk, page 53 Product Safety, page 65 Supplier Assessments and Audit, page 68	2021 Proxy Statement , page 29 Corporate Governance Guidelines , pages 6-7
102-31 Review of economic, environmental, and social topics	ESG Oversight and Management, page 10	2021 Proxy Statement , pages 17-18
102-32 Highest governance body's role in sustainability reporting	ESG Oversight and Management, page 10	2021 Proxy Statement , page 17
102-33 Communicating critical concerns	Reporting Ethics Concerns, pages 12	2021 Proxy Statement , page 31 Corporate Governance Guidelines , pages 9-10
102-35 Remuneration policies	Engaging Leaders as Champions of Change, page 29 Taking Care of Our Employees, pages 35-37 Annex, Social Data, page 11	2021 Proxy Statement , page 34-35, 42-45, 56 Corporate Governance Guidelines , pages 5-7
102-36 Process for determining remuneration		2021 Proxy Statement , pages 46-56
102-37 Stakeholders' involvement in remuneration		2021 Proxy Statement , pages 55-56
102-38 Annual total compensation ratio		2021 Proxy Statement , page 64
102-39 Percentage increase in annual total compensation ratio		2021 Proxy Statement , page 64

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
Stakeholder Engagement		
102-40 List of stakeholder groups	Annex, Stakeholder Engagement, page 7	
102-41 Collective bargaining agreements	Applied Materials participates in collective bargaining agreements in Germany. Employees in Germany, France, and The Netherlands have formal representation on works councils, and Applied's Italy office has trade union representatives.	
102-42 Identifying and selecting stakeholders	Annex, Stakeholder Engagement, page 7	
102-43 Approach to stakeholder engagement	ESG Oversight and Management, page 10 Policy Engagement, page 14 Business and Trade Associations, page 15 Leading Industry-Wide Change, page 61 Annex, Stakeholder Engagement, page 7	<u>2021 Proxy Statement</u> , page 31
102-44 Key topics and concerns raised		<u>2021 Proxy Statement</u> , page 31
Reporting Practice		
102-45 Entities included in the consolidated financial statements		
102-46 Defining report content and topic boundaries	Our Sustainability Vision and Strategy, page 5	
102-47 List of material topics	Per the 2019 Sustainability Report, material topics identified included: 1. Climate Change and the Environment 2. Product Stewardship 3. Supply Chain Management 4. Diversity and Inclusion 5. Community Involvement 6. Ethics and Compliance	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
102-48 Restatements of information	Annex, Environmental Data, page 8 Applied Materials is migrating its environmental data tracking to a new, more robust system called Intellex SPI. With this transition, Applied Materials has identified updates and corrections to its 2019 environmental data, which are incorporated in the Environmental Data tables in the Annex.	
102-49 Changes in reporting	N/A	
102-50 Reporting period	FY2020	
102-51 Date of most recent report	July 2021	
102-52 Reporting cycle	Applied Materials publishes sustainability reports on an annual basis.	
102-53 Contact point for questions regarding the report	corporate_responsibility@amat.com	
102-54 Claims of reporting in accordance with the GRI Standards	This report adheres to the GRI Standards: Core option	
102-55 GRI content index	Annex, GRI Content Index, pages 18-34	
102-56 External assurance	Third-Party Data Assurance Statement, page 74 ERM CVS conducted limited assurance of specified environmental, social and community impact data indicators for 2020.	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 204: Procurement Practices		
103-1 Explanation of the material topic and its boundary	Our Sustainability Vision and Strategy, page 5 Supply Chain Responsibility, pages 66-72	
103-2 The management approach and its components	Our Sustainability Vision and Strategy, pages 5-6 Supply Chain Responsibility, pages 66-72	
103-3 Evaluation of the management approach	Supply Chain Responsibility, pages 66-72	
204-1 Proportion of spending on local suppliers		
GRI 205: Anti-Corruption		
103-1 Explanation of the material topic and its boundary	Ethics and Compliance, page 12	
103-2 The management approach and its components	Ethics and Compliance, page 12	<u>Standards of Business Conduct, pages 21-22</u>
103-3 Evaluation of the management approach	Ethics and Compliance, page 12	
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 the RBA assessments and audits that include an evaluation of corruption risk.	
205-2 Communication and training about anti-corruption policies and procedures	Ethics and Compliance, page 12	<u>Standards of Business Conduct, pages 37-40</u>

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 302: Energy		
103-1 Explanation of the material topic and its boundary	Climate and Energy, pages 45-47	
103-2 The management approach and its components	Climate and Energy, pages 45-47 Renewable Energy, page 47 Environmental Management, pages 48-49	
103-3 Evaluation of the management approach	Climate and Energy, pages 45-47 Environmental Management, pages 48-49	
302-1 Energy consumption within the organization	Total energy for CY2020 = 516,451 MWh Annex, Environmental Data, pages 8-10	
302-3 Energy intensity	Annex, Environmental Data, pages 8-10	
302-4 Reduction of energy consumption	Climate and Energy, pages 45-47 Annex, Environmental Data, pages 8-10	
302-5 Reductions in energy requirements of products and services	Design for Sustainability, pages 58-62	
GRI 303: Water		
103-1 Explanation of the material topic and its boundary	Water Management, pages 52-53	
103-2 The management approach and its components	EHS, pages 48-49 Water Management, pages 52-53	
103-3 Evaluation of the management approach	EHS, pages 48-49 Water Management, pages 52-53	
303-1 Interactions with water as a shared resource	Water Management, pages 52-53	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
303-2 Management of water discharge-related impacts	Water Management, page 53 Supply Chain Responsibility, pages 66-68	
303-3 Water withdrawal	Water Management, pages 52-53 Annex, Environmental Data, pages 8-10	
GRI 305: Emissions		
103-1 Explanation of the material topic and its boundary	Emissions, page 46	
103-2 The management approach and its components	Climate and Energy, pages 45-47 EHS, pages 48-50	
103-3 Evaluation of the management approach	Climate and Energy, pages 45-47	
305-1 Direct (Scope 1) GHG emissions	Climate and Energy, page 46 Annex, SASB Index, page 15 Annex, Environmental Data, page 8	
305-2 Energy indirect (Scope 2) GHG emissions	Climate and Energy, page 46 Annex, Environmental Data, page 8	
305-3 Other indirect (Scope 3) GHG emissions	Climate and Energy, page 46 Annex, Environmental Data, page 8	
305-4 GHG emissions intensity	Annex, Environmental Data, page 8	
305-5 Reduction of GHG emissions	Climate and Energy, pages 45-47 Supply Chain Responsibility, pages 66-72 Annex, Environmental Data, page 8	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 306: Waste		
103-1 Explanation of the material topic and its boundary	EHS, pages 48-50 Waste Management, page 51	
103-2 The management approach and its components	EHS, pages 48-50 Waste Management, page 51 Innovate for Progress, page 55 Design for Sustainability, pages 58-60 Promoting the Circular Economy, pages 63-64 Packaging Reduction and Reuse, page 70	
103-3 Evaluation of the management approach	EHS, pages 48-50 Waste Management, page 51 Design for Sustainability, pages 58-60 Promoting the Circular Economy, pages 63-64 Packaging Reduction and Reuse, page 70	
306-1 Waste generation and significant waste-related impacts	Waste Management, page 51 Promoting the Circular Economy, pages 63-64 Packaging Reduction and Reuse, page 70 Annex, Environmental Data, page 10	
306-2 Management of significant waste-related impacts	Waste Management, page 51 Promoting the Circular Economy, pages 63-64 Packaging Reduction and Reuse, page 70	
306-3 Waste generated	Waste Management, page 51 Annex, Environmental Data, page 10	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
306-4 Waste diverted from disposal	Waste Management, page 51 Promoting the Circular Economy, pages 63-64 Annex, Environmental Data, page 10	
306-5 Waste directed to disposal	Waste Management, page 51 Annex, Environmental Data, page 10	
GRI 307: Environmental Compliance		
103-1 Explanation of the material topic and its boundary	EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	
103-2 The management approach and its components	EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	
103-3 Evaluation of the management approach	EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	
307-1 Non-compliance with environmental laws and regulations	In 2020, Applied Materials received zero notices of violation worldwide	
GRI 308: Supplier Environmental Assessment		
103-1 Explanation of the material topic and its boundary	EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	
103-2 The management approach and its components	Corporate Governance, pages 10-11 EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	
103-3 Evaluation of the management approach	Corporate Governance, pages 10-11 EHS, pages 48-50 Supply Chain Responsibility, pages 66-68	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
308-1 New suppliers that were screened using environmental criteria	Supply Chain Responsibility, pages 66-68	
308-2 Negative environmental impacts in the supply chain and actions taken	Supply Chain Responsibility, pages 66-68	
GRI 401: Employment		
103-1 Explanation of the material topic and its boundary	Invest in People, pages 22-24 Recruiting and Hiring, pages 32-34	
103-2 The management approach and its components	Invest in People, pages 22-24 Recruiting and Hiring, pages 32-34	
103-3 Evaluation of the management approach	Corporate Governance, pages 10-11 Recruiting and Hiring, pages 32-34	
401-1 New employee hires and employee turnover	Recruiting and Hiring, pages 32-34 Annex, Social Data, pages 11-14	
401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Taking Care of Our Employees, page 35	
401-3 Parental leave	Taking Care of Our Employees, page 35	
GRI 402: Labor/Management Relations		
103-1 Explanation of the material topic and its boundary	Taking Care of Our Employees, page 35	
103-2 The management approach and its components	Taking Care of Our Employees, page 35	
103-3 Evaluation of the management approach	Taking Care of Our Employees, page 35	
402-1 Minimum notice periods regarding operational changes	Taking Care of Our Employees, page 35	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 403: Occupational Health and Safety		
103-1 Explanation of the material topic and its boundary	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
103-2 The management approach and its components	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
103-3 Evaluation of the management approach	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-1 Occupational health and safety management system	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-2 Hazard identification, risk assessment, and incident investigation	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-3 Occupational health services	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-4 Worker participation, consultation, and communication on occupational health and safety	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-5 Worker training on occupational health and safety	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-6 Promotion of worker health	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Occupational Health and Safety, pages 36-37 Annex, Social Data table, pages 11-14	Occupational Health and Safety Overview
403-9 Work-related injuries	Occupational Health and Safety, pages 36-37	Occupational Health and Safety Overview
GRI 404: Training and Education		
103-1 Explanation of the material topic and its boundary	Ethics and Compliance Training, page 13 Data and IP Security, page 16 2020 Inclusion Highlights, page 30 Learning and Development, pages 38-40	Learning and Development Overview

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
103-2 The management approach and its components	Ethics and Compliance Training, page 13 Data and IP Security, page 16 2020 Inclusion Highlights, page 30 Learning and Development, pages 38-40	Learning and Development Overview
103-3 Evaluation of the management approach	Learning and Development, pages 38-40	Learning and Development Overview
404-1 Average hours of training per year per employee	Learning and Development, pages 38-40 Annex, Social Data table, page 13	Learning and Development Overview
404-2 Programs for upgrading employee skills and transition assistance programs	Learning and Development, pages 38-40	Learning and Development Overview
404-3 Percentage of employees receiving regular performance and career development reviews	Learning and Development, pages 38-40	Learning and Development Overview
GRI 405: Diversity and Equal Opportunity		
103-1 Explanation of the material topic and its boundary	Our Culture of Inclusion, pages 25-31 Diverse Talent Recruiting, page 32-33	Applied Human Rights Statement of Principles
103-2 The management approach and its components	Our Culture of Inclusion, pages 25-31 Diverse Talent Recruiting, pages 32-33	
103-3 Evaluation of the management approach	Our Culture of Inclusion, pages 25-31 Diverse Talent Recruiting, pages 32-33	
405-1 Diversity of governance bodies and employees	Our Culture of Inclusion, pages 25-31 Annex, Social Data, pages 11-14	2021 Proxy Statement , page 7

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 408: Child Labor		
103-1 Explanation of the material topic and its boundary	Supply Chain Responsibility, pages 66-68	Applied Human Rights Statement of Principles
103-2 The management approach and its components	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act Standards of Business Conduct, page 22
103-3 Evaluation of the management approach	Supply Chain Responsibility, pages 66-68	Applied Human Rights Statement of Principles
408-1 Operations and suppliers at significant risk for incidents of child labor	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act
GRI 408: Forced or Compulsory Labor		
103-1 Explanation of the material topic and its boundary	Supply Chain Responsibility, pages 66-68	Applied Human Rights Statement of Principles
103-2 The management approach and its components	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act Standards of Business Conduct, page 21
103-3 Evaluation of the management approach	Supply Chain Responsibility, pages 66-68	Applied Human Rights Statement of Principles
409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act
GRI 412: Human Rights Assessment		
103-1 Explanation of the material topic and its boundary	Human Rights, page 41 Supply Chain Responsibility, page 68	Statement under the California Transparency in Supply Chains Act Applied Human Rights Statement of Principles
103-2 The management approach and its components	Human Rights, page 41 Supply Chain Responsibility, page 68	Statement under the California Transparency in Supply Chains Act Applied Human Rights Statement of Principles
103-3 Evaluation of the management approach	Human Rights, page 41 Supply Chain Responsibility, page 68	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
412-1 Operations that have been subject to human rights reviews or impact assessments	Human Rights, page 41 Supply Chain Responsibility, page 68	Statement under the California Transparency in Supply Chains Act Applied Human Rights Statement of Principles
412-2 Employee training on human rights policies or procedures	Human Rights, page 41	Statement under the California Transparency in Supply Chains Act
GRI 413: Local Communities		
103-1 Explanation of the material topic and its boundary	Community Impact, pages 17-21	
103-2 The management approach and its components	Community Impact, pages 17-21	
103-3 Evaluation of the management approach	Community Impact, pages 17-21	
413-1 Operations with local community engagement, impact assessments, and development programs	Community Impact, pages 17-21	
GRI 414: Supplier Social Assessment		
103-1 Explanation of the material topic and its boundary	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act Applied Human Rights Statement of Principles
103-2 The management approach and its components	Supply Chain Responsibility, pages 66-68	Statement under the California Transparency in Supply Chains Act Applied Human Rights Statement of Principles
103-3 Evaluation of the management approach	Supply Chain Responsibility, pages 66-68	
414-1 New suppliers that were screened using social criteria	Supply Chain Responsibility, pages 66-68	Applied Human Rights Statement of Principles
414-2 Negative social impacts in the supply chain and actions taken	Supply Chain Responsibility, pages 66-68	

DISCLOSURE	2020 REPORT LOCATIONS AND NARRATIVE RESPONSES	APPLIED MATERIALS EXTERNAL REFERENCE
GRI 415: Public Policy		
103-1 Explanation of the material topic and its boundary	Policy Engagement, page 14 Political Contributions, page 15 Annex, Political Contributions, page 7	
103-2 The management approach and its components	Policy Engagement, page 14 Political Contributions, page 15 Annex, Political Contributions, page 7	
103-3 Evaluation of the management approach	Policy Engagement, page 14 Political Contributions, page 15 Annex, Political Contributions, page 7	
415-1 Political contributions	Political Contributions, page 15 Annex, Political Contributions, page 7	1H 2020 Semi-Annual Political Contributions 2H 2020 Semi-Annual Political Contributions
GRI 416: Customer Health and Safety		
103-1 Explanation of the material topic and its boundary	Product Safety, page 65	
103-2 The management approach and its components	Product Safety, page 65	
103-3 Evaluation of the management approach	Product Safety, page 65	
416-1 Assessment of the health and safety impacts of product and service categories	Product Safety, page 65	
GRI 417: Marketing and Labeling		
103-1 Explanation of the material topic and its boundary	Product Safety, page 65	
103-2 The management approach and its components	Product Safety, page 65	
103-3 Evaluation of the management approach	Product Safety, page 65	



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