UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF

THE SECURITIES EXCHANGE ACT OF 1934

For The Fiscal Year Ended December 31, 2021

OR

□ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d)

OF THE SECURITIES EXCHANGE ACT OF 1934

Commission File Number 1-3610

HOWMET AEROSPACE INC.

(Exact name of registrant as specified in its charter)

Delaware (State of incorporation) 25-0317820 (I.R.S. Employer Identification No.)

201 Isabella Street, Suite 200, Pittsburgh, Pennsylvania 15212-5872

(Address of principal executive offices) (Zip code)

Investor Relations-----(412) 553-1950

Office of the Secretary-----(412) 553-1940

(Registrant's telephone numbers, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class

Common Stock, par value \$1.00 per share \$3.75 Cumulative Preferred Stock, par value \$100.00 per share Trading Symbol HWM HWM PR Name of each exchange on which registered New York Stock Exchange NYSE American

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes 🖌 No ____.

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act.

Yes ___ No <u>✓</u> .

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months, and (2) has been subject to such filing requirements for the past 90 days. Yes \checkmark No ___.

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T ($\frac{232.405}{100}$ of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes $\frac{1}{2}$ No __.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer \square Accelerated filer \square Non-accelerated filer \square

Smaller reporting company \Box Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. $\underline{\checkmark}$

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗹.

The aggregate market value of the outstanding common stock, other than shares held by persons who may be deemed affiliates of the registrant, as of the last business day of the registrant's most recently completed second fiscal quarter was approximately \$15 billion. As of February 10, 2022, there were 418,904,876 shares of common stock, par value \$1.00 per share, of the registrant outstanding.

Documents incorporated by reference.

Part III of this Form 10-K incorporates by reference certain information from the registrant's definitive Proxy Statement for its 2022 Annual Meeting of Shareholders to be filed pursuant to Regulation 14A (Proxy Statement).

Explanatory Note

On April 1, 2020, Arconic Inc. completed the separation of its business into two independent, publicly-traded companies: Howmet Aerospace Inc. (the new name for Arconic Inc.) and Arconic Corporation. The financial results of Arconic Corporation for all periods prior to April 1, 2020 have been retrospectively reflected in the Statement of Consolidated Operations as discontinued operations and, as such, have been excluded from continuing operations and segment results for all periods prior to April 1, 2020. The cash flows, comprehensive income, and equity related to Arconic Corporation have not been segregated and are included in the Statement of Consolidated Cash Flows, Statement of Consolidated Comprehensive Income, and Statement of Changes in Consolidated Equity, respectively, for all periods prior to April 1, 2020.

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Note on Incorporation by Reference

In this Form 10-K, selected items of information and data are incorporated by reference to portions of Howmet Aerospace Inc.'s definitive proxy statement for its 2022 Annual Meeting of Shareholders (the "Proxy Statement"), which we expect to file with the Securities and Exchange Commission within 120 days after Howmet Aerospace Inc.'s fiscal year ended December 31, 2021. Unless otherwise provided herein, any reference in this report to disclosures in the Proxy Statement shall constitute incorporation by reference of only that specific disclosure into this Form 10-K.

PART I

Item 1. Business.

<u>General</u>

Howmet Aerospace Inc. (formerly known as Arconic Inc.) is a Delaware corporation with its principal office in Pittsburgh, Pennsylvania and the successor to Arconic Inc., a Pennsylvania corporation formed in 1888 and formerly known as Alcoa Inc. In this report, unless the context otherwise requires, "Howmet", the "Company", "we", "us" and "our" refer to Howmet Aerospace Inc., a Delaware corporation, and its consolidated subsidiaries.

The Company's Internet address is http://www.howmet.com. Howmet makes available free of charge on or through its website its annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as well as proxy statements, as soon as reasonably practicable after the Company electronically files such material with, or furnishes it to, the Securities and Exchange Commission ("SEC"). The Company's website is included in this annual report on Form 10-K as an inactive textual reference only. The information on, or accessible through, the Company's website is not a part of, or incorporated by reference in, this annual report on Form 10-K. The SEC maintains an Internet site that contains these reports at http://www.sec.gov.

Background

The Arconic Inc. Separation Transaction. Howmet Aerospace Inc. is the new name for Arconic Inc., following Arconic Inc.'s separation of its businesses on April 1, 2020 (the "Arconic Inc. Separation Transaction") into two independent, publicly traded companies: Howmet Aerospace Inc. and Arconic Corporation. Following this separation, Howmet retained the Engine Products, Fastening Systems, Engineered Structures, and Forged Wheels businesses; and its prior Rolled Products, Aluminum Extrusions, and Building and Construction Systems businesses were spun-off to Arconic Corporation. In connection with the Arconic Inc. Separation Transaction, Howmet and Arconic Corporation entered into several agreements that govern the relationship of the parties following the separation, including the following: Separation and Distribution Agreement, Tax Matters Agreement, Employee Matters Agreement, certain Patent, Know-How and Trade Secret License Agreements, certain Trademark License Agreements, Raw Material Supply Agreements, Second Supplemental Tax and Project Certificate and Agreement, and Lease and Property Management Agreement.

The 2017 Reincorporation in Delaware. On December 31, 2017, Arconic Inc., then a Pennsylvania corporation, changed its jurisdiction of incorporation from Pennsylvania to Delaware.

The Alcoa Inc. Separation Transaction. On November 1, 2016, Alcoa Inc. completed the separation of its business (the "Alcoa Inc. Separation Transaction") into two independent, publicly traded companies: Arconic Inc. (the new name for Alcoa Inc., which, through the transactions described above, later became Howmet Aerospace Inc.) and Alcoa Corporation. Following this separation, the Company retained the Engineered Products and Solutions, Global Rolled Products, and Transportation and Construction Solutions businesses; and its previous Alumina and Primary Metals businesses, rolling mill operations in Warrick, Indiana and 25.1% interest in the Ma'aden Rolling Company were spun-off to Alcoa Corporation. In connection with the Alcoa Inc. Separation Transaction, the two companies entered into several agreements that govern their post-separation relationship, including the following: Separation and Distribution Agreement, Tax Matters Agreement, Employee Matters Agreement, and certain Patent, Know-How, Trade Secret License and Trademark License Agreements.

Forward-Looking Statements

This report contains (and oral communications made by Howmet may contain) statements that relate to future events and expectations and, as such, constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include those containing such words as "anticipates," "believes," "could," "estimates," "expects," "forecasts," "goal," "guidance," "intends," "may," "outlook," "plans," "projects," "seeks," "sees," "should," "targets," "will," "would," or other words of similar meaning. All statements that reflect Howmet's expectations, assumptions or projections about the future, other than statements of historical fact, are forward-looking statements, including, without limitation, statements, forecasts and outlook relating to the condition of end markets; future financial results, operating performance, or estimated or expected future capital expenditures; future strategic actions; and Howmet's strategies, outlook, and business and financial prospects. These statements reflect beliefs and assumptions that are based on Howmet's perception of historical trends, current conditions and expected future developments, as well as other factors Howmet believes are appropriate in the circumstances. Although Howmet believes that the expectations reflected in any forward-looking statements are based on reasonable assumptions, it can give no assurance that these expectations will be attained and it is possible that actual results may differ materially from those indicated by these forward-looking statements due to a variety of risks, uncertainties, and changes in circumstances that are difficult to predict. For a discussion of some of the specific factors that may cause Howmet's actual results to differ materially from those projected in any forward-looking statements, see the following sections of this report: <u>Part I, Item 1A</u> (Risk Factors), <u>Part II, Item 7</u> (Management's Discussion and Analysis of Financial Condition and Results of Operations), includ

and Estimates, and <u>Note V</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u>. Market projections are subject to the risks discussed in this report and other risks in the market. Howmet disclaims any intention or obligation to update publicly any forward-looking statements, whether in response to new information, future events or otherwise, except as required by applicable law.

Overview

Howmet is a leading global provider of advanced engineered solutions for the aerospace and transportation industries. The Company's primary businesses focus on jet engine components, aerospace fastening systems, and airframe structural components necessary for mission-critical performance and efficiency in aerospace and defense applications, as well as forged wheels for commercial transportation. Howmet's technological capabilities support the innovation and growth of next-generation aerospace programs. Its differentiated technologies enable lighter, more fuel-efficient aircraft and commercial trucks to operate with a lower carbon footprint and support more sustainable air and ground transportation.

Howmet is a global company operating in 20 countries. Based upon the country where the point of shipment occurred, the United States and Europe generated 68% and 22%, respectively, of Howmet's sales in 2021. In addition, Howmet has operating activities in numerous countries and regions outside the United States and Europe, including Canada, Mexico, China and Japan.

Description of the Business

The Company produces products that are used primarily in the aerospace (commercial and defense), commercial transportation, and industrial and other markets. Howmet seeks to provide its customers with innovative solutions through offering differentiated products such as airfoils with advanced cooling and coatings for extreme temperature applications; specially-designed fasteners for lightweight composite airframe construction, reduced assembly costs, and lightning strike protection; and lightweight aluminum commercial wheels. Its products and solutions include investment castings for jet engines and industrial gas turbines (nickel superalloys, titanium, and aluminum), including airfoils and structural parts; seamless rolled rings for jet engines (mostly nickel superalloys); fastening systems for aerospace, industrial and commercial transportation applications (titanium, steel, and nickel superalloys); forged jet engine components (e.g., jet engine disks); machined and forged aircraft parts (titanium and aluminum); and forged aluminum commercial vehicle wheels, all of which are sold directly to customers and/or through distributors.

Aerospace (Commercial and Defense) Market. Howmet's largest market is aerospace, which represented approximately 60% of the Company's revenue in 2021. The Company produces a range of high performance multi-materials, highly engineered products, and vertically integrated machined solutions for aero engines and airframe structures, ranging from investment castings, advanced coatings, seamless rings, forgings, titanium extrusions, and titanium mill products, to fasteners that hold aircraft together. Wingtip to wingtip, nose to tail, Howmet can produce more than 90% of all structural and rotating aero engine components. Modernization of the commercial and defense platforms is driven by an array of challenging performance requirements. With its precision engineering, materials science expertise and advanced manufacturing processes, Howmet aims to help its customers achieve greater fuel economies, reduced emissions, passenger comfort, and maintenance efficiencies.

Commercial Transportation Market. The commercial transportation market represented approximately 23% of the Company's revenue in 2021. The Company invented the forged aluminum truck wheel in 1948, and continues to advance technology to deliver breakthrough solutions that make trucks and buses lighter, more fuel efficient and sharper-looking. Howmet's forged aluminum wheels are a leading choice for commercial trucks and mass transportation vehicles because they can reduce weight and save fuel. The strength of the Company's rivets, bolts and fasteners offers another lightweighting solution that delivers performance.

Industrial and Other Markets. Industrial and other markets include industrial gas turbines, oil and gas, and other industrials, which represented approximately 17% of the Company's revenue in 2021.

Howmet has four reportable segments, which are organized by product on a worldwide basis: Engine Products, Fastening Systems, Engineered Structures and Forged Wheels.

Engine Products

Engine Products utilizes advanced designs and techniques to support next-generation engine programs and produces components primarily for aircraft engines and industrial gas turbines, including airfoils and seamless rolled rings. Engine Products produces rotating parts as well as structural parts. Engine Products principally serves the commercial and defense aerospace markets as well as the industrial gas turbine market.

Fastening Systems

Fastening Systems produces aerospace and industrial fasteners, latches, bearings, fluid fittings and installation tools. In addition to highly engineered aerospace fasteners with a broad range of fastening systems, the segment also supplies the commercial transportation, renewable, and material handling industries. The business's high-tech, multi-material fastening systems are



found nose to tail on commercial and military aircraft, as well as on jet engines, industrial gas turbines, automobiles, commercial transportation vehicles, wind turbines, solar power systems, and construction and industrial equipment.

Engineered Structures

Engineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions, forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components and assemblies for aerospace and defense applications. The principal markets served by Engineered Structures are commercial aerospace, defense aerospace, and land and sea defense.

Forged Wheels

Forged Wheels manufactures forged aluminum wheels for trucks, buses, and trailers and related products for the global commercial transportation market. The Company's portfolio of wheels is sold under the product brand name Alcoa® Wheels and are five times stronger and 47% lighter than steel wheels. The Ultra ONE® Wheel with MagnaForce® alloy is the lightest portfolio of wheels on the market. The Company's proprietary Dura-Bright® surface treatment is unmatched in appearance and corrosion protection.

For additional discussion of each segment's business, see "Results of Operations—Segment Information" in <u>Part II, Item 7</u> (Management's Discussion and Analysis of Financial Condition and Results of Operations) and <u>Note D</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u>.

Sales by Market and Significant Customer Revenue

Sales by market for the years ended December 31, 2021, 2020, and 2019, were:

		For the Year Ended December 31,				
	2021	2020	2019			
Aerospace - Commercial	41 %	50 %	59 %			
Aerospace - Defense	19 %	19 %	13 %			
Commercial Transportation	23 %	16 %	17 %			
Industrial and Other	17 %	15 %	11 %			

In 2021, General Electric Company, Raytheon Technologies Corporation, and The Boeing Company represented approximately 13%, 9%, and 5%, respectively, of the Company's third-party sales. The loss of any such significant customer could have a material adverse effect on such businesses. See <u>Part I, Item 1A</u> (Risk Factors).

The Company's Principal Facilities⁽¹⁾

Country	Facility Location	Segment	Products
Australia	Oakleigh	Fastening Systems	Fasteners
Canada	Georgetown, Ontario ⁽²⁾	Engine Products	Aerospace Castings
	Laval, Québec	Engine Products; Engineered Structures	Aerospace Castings and Machining
China	Suzhou ⁽²⁾	Engine Products; Fastening Systems; Forged Wheels	Fasteners, Rings and Wheels Machining
France	Dives-sur-Mer	Engine Products	Aerospace and Industrial Gas Turbine Castings
	Evron	Engine Products	Aerospace and Specialty Castings
	Gennevilliers	Engine Products	Aerospace and Industrial Gas Turbine Castings
	St. Cosme-en-Vairais ⁽²⁾	Fastening Systems	Fasteners
	Toulouse	Fastening Systems	Fasteners
	Us-par-Vigny	Fastening Systems	Fasteners
Germany	Bestwig	Engine Products	Aerospace Castings
	Erwitte	Engine Products	Machining of Aerospace Castings
	Hildesheim-Bavenstedt ⁽²⁾	Fastening Systems	Fasteners
	Kelkheim ⁽²⁾	Fastening Systems	Fasteners
Hungary	Nemesvámos	Fastening Systems	Fasteners
	Székesfehérvár	Engine Products; Forged Wheels	Aerospace and Industrial Gas Turbine Castings and Forgings
Japan	Jôetsu City ⁽²⁾	Forged Wheels	Wheels Machining
	Nomi	Engine Products	Aerospace and Industrial Gas Turbine Castings
Mexico	Ciudad Acuña ⁽²⁾	Engine Products; Fastening Systems	Aerospace Castings/Rings and Fasteners
	Monterrey	Forged Wheels	Forgings
Morocco	Casablanca ⁽²⁾	Fastening Systems	Fasteners
United Kingdom	Ecclesfield	Engine Products	Metal, Billets
	Exeter ⁽²⁾	Engine Products	Aerospace and Industrial Gas Turbine Castings and Alloy
	Glossop	Engine Products	Metal, Billets
	Ickles	Engine Products	Metal, Billets
	Leicester ⁽²⁾	Fastening Systems	Fasteners
	Low Moor	Engineered Structures	Extrusions
	Redditch ⁽²⁾	Fastening Systems	Fasteners
	Telford	Fastening Systems	Fasteners
	Welwyn Garden City	Engineered Structures	Aerospace Formed Parts

Country	Facility Location	Segment	Products
United States	Tucson, AZ ⁽²⁾	Fastening Systems	Fasteners
	Carson, CA ⁽²⁾	Fastening Systems	Fasteners
	City of Industry, CA ⁽²⁾	Fastening Systems	Fasteners
	Fontana, CA	Engine Products	Rings
	Fullerton, CA ⁽²⁾	Fastening Systems	Fasteners
	Rancho Cucamonga, CA	Engine Products	Rings
	Torrance, CA	Fastening Systems	Fasteners
	Branford, CT	Engine Products	Aerospace Coatings
	Winsted, CT	Engine Products	Aerospace Machining
	Savannah, GA	Engineered Structures	Forgings, Disks
	La Porte, IN	Engine Products	Aerospace and Industrial Gas Turbine Castings
	Whitehall, MI	Engine Products	Aerospace and Industrial Gas Turbine Castings and Coatings, Titanium Alloy and Specialty Products
	Washington, MO	Engineered Structures	Aerospace Formed Parts, Titanium Mill Products
	Big Lake, MN	Engineered Structures	Aerospace Machining
	New Brighton, MN	Engineered Structures	Aerospace Machining
	Dover, NJ	Engine Products	Aerospace and Industrial Gas Turbine Castings and Alloy
	Kingston, NY ⁽²⁾	Fastening Systems	Fasteners
	Rochester, NY	Engine Products	Rings
	Barberton, OH	Forged Wheels	Wheels Machining
	Canton, OH ⁽²⁾	Engineered Structures	Ferro-Titanium Alloys and Titanium Mill Products
	Cleveland, OH	Engine Products; Engineered Structures; Forged Wheels	Forgings, Investment Casting Equipment, and Aerospace Components
	Niles, OH	Engineered Structures	Titanium Mill Products
	Morristown, TN ⁽²⁾	Engine Products	Aerospace and Industrial Gas Turbine Ceramic Products
	Houston, TX ⁽²⁾	Engineered Structures	Extrusions
	Waco, TX ⁽²⁾	Fastening Systems	Fasteners
	Wichita Falls, TX	Engine Products	Aerospace and Industrial Gas Turbine Castings
	Hampton, VA ⁽²⁾	Engine Products	Aerospace and Industrial Gas Turbine Castings
	Martinsville, VA	Engineered Structures	Titanium Mill Products

⁽¹⁾ Principal facilities are listed by location, with certain locations having more than one facility. The list in the above table does not include 19 locations that serve as sales and administrative offices, distribution centers or warehouses.

⁽²⁾ Leased property or partially leased property.

Sources and Availability of Raw Materials

Important raw materials purchased in 2021 for each of the Company's reportable segments are listed below.

Engine Products	Fastening Systems	Engineered Structures	Forged Wheels
Ceramics	Aluminum Alloys	Energy	Energy
Cobalt	Energy	Nickel Alloys	Primary and Scrap Aluminum
Energy	Nickel Alloys and Stainless Steels	Primary Aluminum	
Nickel	Steels	Titanium Scrap	
Platinum	Titanium Alloys	Titanium Sponge	
Titanium		Vanadium Alloys	

Generally, raw materials are purchased from third-party suppliers under competitively priced supply contracts or bidding arrangements. The Company believes that the raw materials necessary to its business are and will continue to be available.

Patents, Trade Secrets and Trademarks

The Company believes that its domestic and international patent, trade secret and trademark assets provide it with a significant competitive advantage. The Company's rights under its patents, as well as the products made and sold under them, are important to the Company as a whole and, to varying degrees, important to each business segment. The patents owned by Howmet generally concern particular products, manufacturing equipment or techniques. Howmet's business as a whole is not, however, materially dependent on any single patent, trade secret or trademark. As a result of product development and technological advancement, the Company continues to pursue patent protection in jurisdictions throughout the world. As of the end of 2021, the Company's worldwide patent portfolio consists of approximately 943 granted patents and 184 pending patent applications.

The Company also has a significant number of trade secrets, mostly regarding manufacturing processes and material compositions that give many of its businesses important advantages in their markets. The Company continues to strive to improve those processes and generate new material compositions that provide additional benefits. With respect to domestic and international registered trademarks, the Company has many that have significant recognition within the markets that are served. Examples include the name Howmet[®] metal castings, Huck[®] fasteners, and Dura-Bright[®] wheels with easy-clean surface treatments. A significant trademark filing campaign for the names "Howmet" and "Howmet Aerospace" along with its "H" logo was initiated in 2019, in support of the corporate launch of Howmet Aerospace Inc. As of the end of 2021, the Company's worldwide trademark portfolio consists of approximately 1,562 registered trademarks and 131 pending trademark applications. The Company's rights under its trademarks are important to the Company as a whole and, to varying degrees, important to each business segment.

Competitive Conditions

The Company's segments - Engine Products, Fastening Systems, Engineered Structures, and Forged Wheels - are subject to substantial and intense competition in the markets they serve. Although Howmet believes its advanced technology, manufacturing processes and experience provide advantages to Howmet's customers, such as high quality and superior mechanical properties that meet the Company's customers' most stringent requirements, many of the products Howmet makes can be produced by competitors using similar types of manufacturing processes as well as alternative forms of manufacturing. Despite intense competition, Howmet continues as a market leader in most of its principal markets. We believe that factors such as Howmet's technological expertise, state-of-the-art capabilities, capacity, quality, engaged employees and long-standing customer relationships enable the Company to maintain its competitive position.

Principal competitors include Berkshire Hathaway Inc., through its 2016 acquisition of Precision Castparts Corporation and subsidiaries, for titanium and titanium-based alloys, precision forgings, seamless rolled rings, investment castings, including airfoils, and aerospace fasteners; VSMPO (Russia) for titanium and titanium-based alloys and precision forgings; the High-Performance Materials & Components segment of Allegheny Technologies, Inc. for titanium and titanium-based alloys and precision forgings; Lisi Aerospace (France) for aerospace fasteners; and Aubert & Duval (part of Eramet Group in France) for precision forgings. Other competitors include Doncasters Group Ltd. (UK) and Consolidated Precision Products Corp. (owned by Warburg Pincus and Berkshire Partners) for investment castings; Weber Metals (part of Otto Fuchs) for precision forgings; and Forgital and Frisa (Mexico) for seamless rings.

Forged Wheels competes against aluminum and steel wheel suppliers in the commercial transportation industry under the product brand name Alcoa[®] Wheels for the major regions that it serves (Americas, Europe, Japan, China, and Australia). Its larger aluminum wheel competitors are Accuride Corporation, Speedline (member of the Ronal Group), Nippon Steel Corporation, Dicastal, Alux, and Wheels India Limited. In recent years, Forged Wheels has seen an increase in the number of aluminum wheel suppliers (both forged and cast aluminum wheels) from China, Taiwan, India and South Korea attempting to penetrate the global commercial transportation market.

Several of Howmet's largest customers have captive superalloy furnaces for producing airfoil investment castings for their own use. Many other companies around the world also produce superalloy investment castings, and some of these companies currently compete with Howmet in the aerospace and other markets, while others are capable of competing with the Company should they choose to do so.

International competition in the investment castings, fasteners, rings and forgings markets may also increase in the future as a result of strategic alliances among engine original equipment manufacturers ("OEMs"), aero-structure prime contractors, and overseas companies, especially in developing markets, particularly where "offset" or "local content" requirements create purchase obligations with respect to products manufactured in or directed to a particular country.

Government Regulations and Environmental Matters

Our operations and activities are global and are subject to various federal, state, local, and foreign laws, rules and regulations, including those relating to the environment. In 2021, compliance with these laws, rules and regulations did not have a material effect on our capital expenditures, results of operations or competitive position. Additionally, we do not currently anticipate material capital expenditures for environmental control facilities in 2022. For a discussion of the risks associated with certain applicable laws and regulations, see "Risk Factors." Information relating to environmental matters is included in <u>Note V</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> under the caption "Environmental Matters."

Human Capital

To recruit, attract, develop and retain world-class talent, the Company has created a culture that embraces diversity, drives inclusion, and empowers and engages our employees. Our Code of Conduct describes how we lead with integrity and work with one another while supporting our stakeholders. The Company provides competitive wages, benefits and terms of employment.

The Company enables our employees to own their development and create rewarding careers that draw on their aptitudes and support their ambitions. Using a human capital management platform, employees can build a professional profile to share their career aspirations and learn new skills. This platform allows us to align employee goals and growth with the Company's future business needs so that we can pinpoint potential successor candidates and build their readiness for their future roles. Our talent review process is an ongoing priority and is sponsored and led by our CEO.

We are committed to attracting, developing, and retaining a diverse and inclusive workforce, while providing equal opportunities for all. We have started to use a data-driven approach to track how our employees are progressing through our organization. We seek to identify high performers and support their development into potential future leaders, with a particular focus on providing equitable opportunities to individuals who are members of underrepresented groups. Our Employee Resource Groups continue to be fundamental to building our culture of inclusion. Focusing on Gender, LGBTQ+, African Heritage, Hispanic, Veteran, European and Next Generation, these networks provide colleagues with valuable support and advice, create development opportunities, and provide leadership with feedback that raises awareness of issues and challenges. The Company also provides diversity awareness training and resources regarding implicit bias.

Howmet's strong health and safety culture empowers our employees and contractors to take personal responsibility for their actions and the safety of their coworkers. This culture is supported by internal policies, standards, rules and procedures that clearly articulate our stringent requirements for working safely in all of our worldwide facilities. The Company embeds annual health and safety goals and objectives into its operating plans to progress against our ultimate goal of zero incidents. We prioritize our risk management processes toward the prevention of fatality and serious injury. For the health and safety of our employees, the Company continues to proactively manage impacts from COVID-19 and maintain protocols around self-assessment of symptoms, hygiene, masks, social distancing and robust implementation of tracing and quarantine protocols.

Employees

Total worldwide employment at the end of 2021 was approximately 19,900 employees in 24 countries.

There are eight collective bargaining agreements in the United States with varying expiration dates. In the United States, the largest collective bargaining agreement is the agreement between Howmet and the United Autoworkers ("UAW") at our Whitehall, Michigan location. The Whitehall UAW agreement covers approximately 1,300 employees; the current agreement expires on March 31, 2023. In addition to the employees covered by the Whitehall UAW agreement, approximately 1,700 other employees in the United States are also represented by labor unions. On a regional basis, collective bargaining agreements with varying expiration dates cover employees in Europe, North America, South America, and Asia. The Company believes that relations with its employees and any applicable union representatives generally are good.



Executive Officers of the Registrant

The names, ages, positions and areas of responsibility of the executive officers of the Company as of February 14, 2022 are listed below. The Company's executive officers are elected or appointed to serve until the next annual meeting of the Board of Directors (held in conjunction with the annual meeting of shareholders), except in the case of earlier death, retirement, resignation or removal.

Michael N. Chanatry, 61, Vice President and Chief Commercial Officer. Mr. Chanatry was elected Vice President and Chief Commercial Officer of Howmet effective May 16, 2018. Prior to joining Howmet, from 2015 to April 2018, he was Vice President of Supply Chain for General Electric's Power Division. Mr. Chanatry served as General Manager of Supply Chain for General Electric Appliances from 2013 to 2015; and General Electric Aviation Systems from 2009 to 2013. Prior to his leadership roles at General Electric Power, General Electric Appliances and General Electric Aviation Systems, Mr. Chanatry held numerous positions within the General Electric Aviation & Aerospace divisions, as well as Lockheed Martin from 1983 to 2009.

Ken Giacobbe, 56, Executive Vice President and Chief Financial Officer. Mr. Giacobbe was elected Executive Vice President and Chief Financial Officer of Howmet effective November 1, 2016. Mr. Giacobbe joined Howmet in 2004 as Vice President of Finance for Global Extruded Products, part of Alcoa Forgings and Extrusions. He then served as Vice President of Finance for the Company's Building and Construction Systems business from 2008 until 2011. In 2011, he assumed the role of Group Controller for the Engineered Products and Solutions segment. From January 2013 until October 2016, Mr. Giacobbe served as Chief Financial Officer of the Engineered Products and Solutions segment. Before joining Howmet, Mr. Giacobbe held senior finance roles at Avaya and Lucent Technologies.

Lola F. Lin, 47, Executive Vice President, Chief Legal Officer and Secretary. Ms. Lin was elected Executive Vice President, Chief Legal Officer and Secretary of Howmet effective June 28, 2021. Prior to joining Howmet, she served as Senior Vice President and General Counsel of Airgas, Inc. from 2016 to May 2021. Prior to her time at Airgas, Ms. Lin held various legal roles at Air Liquide USA LLC from 2007 to 2016, including as Vice President and Deputy General Counsel. Prior to her roles at Airgas Inc. and Air Liquide, Ms. Lin held roles at Dell Inc., Sutherland Asbill & Brennan LLP and Locke Liddell & Sapp LLP.

Neil E. Marchuk, 64, Executive Vice President and Chief Human Resources Officer. Mr. Marchuk was elected Executive Vice President and Chief Human Resources Officer of Howmet effective March 1, 2019. Prior to joining Howmet, from January 2016 to February 2019, he was Executive Vice President and Chief Human Resources Officer at Adient, an automotive manufacturer. From July 2006 to May 2015, Mr. Marchuk was Executive Vice President of Human Resource at TRW Automotive, and served as TRW's Vice President, Human Resources from September 2004 to July 2006. Prior to joining TRW, from December 2001 to August 2004, Mr. Marchuk was Director, Corporate Human Resources for E.I. Du Pont De Nemours and Company ("E.I. Du Pont"). From September 1999 to November 2001, Mr. Marchuk was Director, Global HR Delivery for E.I. Du Pont. From February 1999 to August 1999, Mr. Marchuk served E.I. Du Pont as its Global HR Director, Global Services Division.

John C. Plant, 68, Executive Chairman and Chief Executive Officer. Mr. Plant was appointed Howmet's Chief Executive Officer effective October 14, 2021, and was Co-Chief Executive Officer from April 2020 to October 2021. From February 2019 to April 2020, he was the Chief Executive Officer of Arconic Inc., as the Company was then known prior to its separation. He has served as chairman of Howmet's Board of Directors since October 2017 and as a member of the Board since February 2016. Mr. Plant previously served as Chairman of the Board, President and Chief Executive Officer of TRW Automotive from 2011 to 2015, and as its President and Chief Executive Officer from 2003 to 2011. TRW Automotive was acquired by ZF Friedrichshafen AG in May 2015. Mr. Plant was a co-member of the Chief Executive Office of TRW Inc. from 2001 to 2003 and an Executive Vice President of TRW from the company's 1999 acquisition of Lucas Varity to 2003. Prior to TRW, Mr. Plant was President of Lucas Varity Automotive and managing director of the Electrical and Electronics division from 1991 through 1997.

Barbara L. Shultz, 48, Vice President and Controller. Ms. Shultz was elected Vice President and Controller of Howmet effective May 25, 2021. Ms. Shultz joined Howmet in 2005 and served in numerous financial accounting positions until 2012 when she was appointed Director of Finance for the Company's Alcoa Wheel and Transportation Products business. She then served as Director of Compliance for the Company's Engineered Structures business from July 2015 to February 2019, Director of Compliance from February 2019 to June 2020, and Assistant Controller from June 2020 to May 2021. Prior to joining Howmet, Ms. Shultz held several roles at PricewaterhouseCoopers LLP from 1995 to 2005.

Item 1A. Risk Factors.

Howmet's business, financial condition, and results of operations may be impacted by a number of factors. In addition to the factors discussed elsewhere in this report, the following risks and uncertainties could materially harm the Company's business, results of operations, financial condition and/or cash flows, including causing its actual results to differ materially from those projected in any forward-looking statements. The following list of risk factors is not all-inclusive or necessarily in order of importance. Additional risks and uncertainties not presently known to Howmet or that Howmet currently deems immaterial may also adversely affect the Company materially in future periods.

Risks Related to Our Business and Operations

Our business, results of operations, financial condition and/or cash flows have been and could continue to be adversely impacted materially by the continued effects of the COVID-19 pandemic.

The COVID-19 pandemic affecting the global community has had and may continue to have a material adverse effect on our business, results of operations, financial condition and/or cash flows, and the nature and extent of the impact over time remain highly uncertain. The impact over time will depend on future developments that are beyond our control, including the duration of the pandemic, the continued severity of the virus, resurgences and emergence of variants of the virus, the efficacy and availability or uptake of vaccines and related drugs, and the actions that may be taken in response to COVID-19, such as vaccine mandates, manufacturing restrictions, labor policies, and travel limitations. The longer the pandemic's duration, the greater the potential impact on our business and the more heightened the risk of a continuing material adverse effect on our company, business strategies and initiatives.

- Business and operations risks: We continue to monitor COVID-19 guidance and requirements, to determine whether we will need to modify our business practices or take actions as may be required by government authorities or that we determine are in the best interests of our stakeholders, including our continuing focus on the safety and protection of our workforce. If there are restrictions on or disruptions to our business practices, we may be unable to perform fully on our contracts and our operational costs may increase. The COVID-19 pandemic has resulted in increased operational challenges, which have included, and may in the future include, manufacturing site shutdowns and workplace disruptions. We may also face challenges in restoring our production levels if and when COVID-19 abates if we are unable to reinstate our workforce at the levels needed or if our suppliers experience disruptions that impact their ability to provide goods or services to us. As a result of COVID-19 and its negative impact on the aerospace and commercial transportation markets, the possibility exists that a corresponding sustained impact to our operations, financial results and market capitalization may require material impairments of our assets, including, but not limited to, goodwill and other intangible assets, long-lived assets, and right-of-use assets.
- *Customer risks*: We have limited visibility into future demand due to the disruptions resulting from COVID-19. The significant decrease in air travel, resulting from the COVID-19 pandemic and the measures that governments and private organizations worldwide have implemented in an attempt to contain its spread, has adversely affected, and may continue to adversely affect, airlines and aircraft manufacturers and their respective demand for our and our customers' products and services. Aircraft manufacturers have reduced, and may continue to reduce, production rates due to fewer expected aircraft deliveries and, as a result, demand for products in the OEM market has significantly decreased. Several of our aerospace customers previously suspended operations at certain production sites, reduced operations and production rates, and/or took cost-cutting actions, including, but not limited to, General Electric Company, Raytheon Technologies Corporation and The Boeing Company, which represented approximately 13%, 9%, and 5%, respectively, of our third-party sales in 2021. Due to reduced air traffic and flight cycles, spares and aftermarket demand has declined and could remain low until air travel levels return. The decrease in domestic and international air travel due to the pandemic has adversely affected demand for narrow-body and wide-body aircraft, respectively. While domestic air travel has increased during the second half of 2021, international travel has not yet begun to recover and the commercial wide-body aircraft market may take longer to recover. In addition, several of our commercial transportation customers have encountered, and may continue to encounter, challenges in their ability to increase production rates to meet demand due to supply chain constraints stemming from the pandemic. Due to the foregoing factors and other cost-cutting measures by our customers, we are experiencing, and expect to continue experiencing, lower demand and volume for our products. In addition, the ongoing COVID-19 pandemic may negatively impact customer contract negotiations, including the ability to negotiate acceptable terms in contract renewal negotiations and our ability to obtain new customers. Ultimately, the demand for our products is driven by the demand for transportation and travel within and between various countries.
- Market, liquidity and credit risks: Financial market dynamics and volatility due to COVID-19 could pose heightened risks to our liquidity, including those discussed below in "—Risks Related to Liquidity and Capital Resources." If the COVID-19 pandemic continues for a prolonged period, it could adversely affect our financial condition, including with respect to satisfying both required and voluntary pension funding requirements, could result in potential increases in



net debt or reductions in EBITDA, and could otherwise negatively affect our ability to achieve our strategic objectives. If the foregoing or other factors negatively impact our ability to comply with the financial covenant in our Five-Year Revolving Credit Agreement (the "Credit Agreement"), our ability to draw under the Credit Agreement would be adversely affected. Conditions in the financial and credit markets may also limit the availability of funding or increase the cost of funding or our ability to refinance certain portions of our indebtedness.

The COVID-19 pandemic may also exacerbate other risks disclosed herein, including, but not limited to, risks related to global economic conditions, competition, loss of customers, costs of supplies, supply chain disruptions, manufacturing difficulties and disruptions, investment returns, our credit profile, our credit ratings, and interest rates. We expect that the longer the period of disruption from COVID-19 continues, the more material the adverse impact will be on our business operations, financial performance, results of operations and/or cash flows.

The markets for Howmet's products are cyclical and are influenced by a number of factors, including global economic conditions.

Howmet is subject to cyclical fluctuations in global economic conditions and lightweight metals end-use markets. Howmet sells many products to industries that are cyclical, such as the aerospace and commercial transportation industries, and the demand for our products is sensitive to, and quickly impacted by, demand for the finished goods manufactured by our customers in these industries, which may change as a result of changes in regional or worldwide economies, currency exchange rates, energy prices or other factors beyond our control. In particular, Howmet derives a significant portion of our revenue from products sold to the aerospace industry, which is cyclical and reflective of changes in the general economy. The commercial aerospace industry is historically driven by the demand from commercial airlines for new aircraft and spare parts. The U.S. and international commercial aviation industries may face challenges arising from competitive pressures and fuel costs. Demand for commercial aircraft and spare parts is influenced by airline industry profitability, trends in airline passenger traffic, the state of U.S., regional and world economies, the ability of aircraft purchasers to obtain required financing and numerous other factors. The defense aerospace cycle is highly dependent on U.S. and foreign government funding; however, it is also driven by the effects of terrorism, a changing global geopolitical environment, U.S. foreign policy, the retirement of older military aircraft, and technological improvements to new engines and airframes. Further, the demand for Howmet's commercial transportation products is driven by the number of vehicles produced by commercial transportation manufacturers. Commercial transportation sales and production are affected by many factors, including the age of the vehicle fleet, labor relations issues, fuel prices, regulatory requirements, government initiatives, trade agreements, and levels of competition. Howmet is unable to predict the future course of industry variables, the strength of the U.S., regional or global economies, or the effects of government actions. Negative economic conditions, such as a major economic downturn, a prolonged recovery period, or disruptions in the financial markets, could have a material adverse effect on Howmet's business, financial condition or results of operations.

A material disruption of, or manufacturing difficulties at, Howmet's manufacturing operations could adversely affect Howmet's business.

If Howmet's operations, particularly one of its key manufacturing facilities, were to be disrupted, including because of significant equipment failures, natural disasters, power outages, fires, explosions, terrorism, theft, sabotage, adverse weather conditions, public health crises, labor disputes, labor shortages or other reasons, Howmet may be unable to effectively meet its obligations to, or demand from, its customers. In addition, the manufacture of many of Howmet's products is a complex process. Manufacturing problems arising from equipment failure or malfunction, inadvertent failure to follow regulatory or customer specifications and procedures, including those related to quality or safety, and problems with raw materials could have an adverse impact on the Company's ability to fulfill orders or meet product quality or performance requirements, which may result in negative publicity and damage to our reputation, adversely impacting product demand and customer relationships. Interruptions in production capability could increase Howmet's costs and reduce its sales, including causing the Company to incur costs for premium freight, make substantial capital expenditures, or purchase alternative material at higher costs to fulfill customer orders. Additionally, a delivery delay by us due to production interruptions could subject us to liability from customer claims that such delay resulted in losses to the customer. Furthermore, product manufacturing or performance issues could result in recalls, customer penalties, contract cancellation and product liability exposure in addition to a material adverse effect on our business, financial condition or results of operations. Because of approval, license and qualification requirements applicable to manufacturers and/or their suppliers, sources of alternatives to mitigate manufacturing disruptions may not be readily available to Howmet or its customers.

Howmet is dependent on a limited number of suppliers for materials and services essential to our operations, including raw materials, and supply chain disruptions could have a material adverse effect on our business.

Howmet has supply arrangements with suppliers for various materials and services, including raw materials. We maintain annual or long-term contracts for a majority of our supply requirements, and for the remainder we depend on spot purchases. There can be no assurance that we will be able to renew, or obtain replacements for, any of our long-term contracts when they expire on terms that are as favorable as our existing agreements, or at all. Supply constraints could impact our production or



force us to purchase materials and other supplies from alternative sources, which may not be available in sufficient quantities or on terms that are favorable to us. Howmet could also have exposure if a key supplier is unable to deliver sufficient quantities of a necessary material on a timely basis. The availability and costs of certain raw materials necessary for the production of Howmet's products may be influenced by private or government entities, including as a result of changes in geopolitical conditions or regulatory requirements, labor relations between the producers and their work forces, and unstable governments in exporting nations. Any of the foregoing supply chain disruptions or those due to capacity constraints, trade barriers, labor shortages, business continuity, quality, cyberattacks, transportation, delivery or logistics challenges, weather, natural disaster, or pandemic events could adversely affect Howmet's business, results of operations or financial condition.

Howmet's business could be adversely affected by increases in raw material, manufacturing and operating costs due to inflation and other market forces or governmental constraints.

Howmet may be adversely affected by raw material, freight, energy, labor and other manufacturing and operating cost increases. The costs of certain raw materials (including, but not limited to, nickel, titanium, aluminum, cobalt, and rhenium) necessary for the manufacture of Howmet's products and other manufacturing and operating costs may be influenced by inflation, market forces of supply and demand, shortages, export limits, sanctions, new or increased import duties, and countervailing or anti-dumping duties. While we generally attempt to pass along higher raw material costs to our customers through contractual agreements in the form of price increases, there can be a delay between an increase in our raw material costs and our ability to increase the prices of our products. Additionally, we may not be able to increase the prices of our products due to competitive pricing pressure and other factors. If the Company is unable to offset significant cost increases through customer price increases, productivity improvements, cost reduction or other programs, Howmet's business, operating results or financial condition could be materially adversely affected.

Howmet's business depends, in part, on its ability to successfully meet increased program demand, production targets and commitments.

Howmet is currently under contract to supply components for a number of new and existing commercial, general aviation, military aircraft and aircraft engine programs. Many of these contracts contemplate production increases over the next several years. If Howmet fails to meet production targets and commitments, or encounters difficulty or unexpected costs in meeting such levels, it could have a material adverse effect on the Company's business, operating results or financial condition. Similarly, to the extent demand for our products increases rapidly and significantly in future periods, whether as a result of general market conditions, the end of the COVID-19 pandemic or otherwise, we may not be able to ramp up production quickly enough to meet the demand. We may also face difficulties in competing for and recruiting qualified employees. These difficulties could result in significant delivery delays that could damage Howmet's reputation and adversely affect our business, financial condition, results of operations or competitive position.

Failure to attract and retain a skilled global workforce or to provide adequate succession planning for key personnel could adversely affect Howmet's operations and competitiveness.

Howmet's global operations require skilled personnel with relevant industry and technical experience. Shortages in certain skills, in areas such as engineering, manufacturing and technology, and other labor market inadequacies have created more competition for talent. A sustained labor shortage, lack of skilled labor, increased turnover, labor inflation, or increase in general labor costs, whether caused by COVID-19 or as a result of general macroeconomic factors, could lead to higher labor, recruiting or training costs to attract and retain personnel. In addition, the Company's headcount reductions to align our operations with reduced demand due to COVID-19 could make it difficult to refill the eliminated positions as business recovers. If the Company fails to attract, develop and retain a global workforce with the skills and in the locations we need to operate and grow our business, our operations could be adversely impacted. Furthermore, the continuity of key personnel and the preservation of institutional knowledge are vital to the success of the Company's growth and business strategy. The loss of key members of management could significantly harm Howmet's business, and any unplanned turnover or failure to develop adequate succession plans for key positions could deplete the Company's institutional knowledge base, result in loss of technical or other expertise, delay or impede the execution of the Company's business plans and erode Howmet's competitiveness.

Howmet could be adversely affected by the loss of key customers or significant changes in the business or financial condition of its customers.

Howmet has long-term contracts with a significant number of its customers, some of which are subject to renewal, renegotiation or re-pricing at periodic intervals or upon changes in competitive supply conditions. Howmet's failure to successfully renew, renegotiate or favorably re-price such agreements, or a material deterioration in or termination of these customer relationships, could result in a reduction or loss in customer purchase volume or revenue. Additionally, a significant downturn or deterioration in the business or financial condition or loss of a key customer supplied by Howmet could adversely affect Howmet's financial results. Howmet's customers may experience delays in the launch of new products, labor strikes, diminished liquidity or credit unavailability, weak demand for their products, or other difficulties in their businesses. For example, our sales could continue to



be negatively affected by the residual impacts of the Boeing 737 MAX grounding in 2019, as well as Boeing's pause in deliveries of its 787 aircraft since May 2021 that has resulted in Boeing's significantly reduced 787 production rates. Howmet's customers may also change their business strategies or modify their business relationships with Howmet, including to reduce the amount of Howmet's products they purchase, to switch to alternative suppliers, or to enter into the markets themselves to compete with Howmet. If Howmet's customers reduce, terminate or delay purchases from Howmet due to the foregoing factors or otherwise and Howmet is unsuccessful in enforcing its contract rights or replacing such business in whole or in part or replaces it with less profitable business, our financial condition and results of operations may be adversely affected.

Howmet's products are used in a variety of military applications, including military aircraft. Although many of the military programs in which Howmet participates extend several years, changes in military strategy, policy and priorities, or reductions in defense spending, may affect current and future funding of these programs and could reduce the demand for Howmet's products, which could adversely affect Howmet's business, financial condition or results of operations.

Information technology system failures, cyberattacks and security breaches may threaten the integrity of Howmet's intellectual property and other sensitive information, disrupt its business operations, and result in reputational harm and other negative consequences having a material adverse effect on its financial condition and results of operations.

Howmet's information technology systems could be subject to damage or interruption from power outages; computer network and telecommunications failures; computer viruses; catastrophic events, such as fires, floods, earthquakes, tornadoes, hurricanes, acts of war or terrorism; and usage errors by employees. If Howmet's information technology systems are damaged or cease to function properly, the Company may have to make a significant investment to fix or replace them, and Howmet may suffer loss of critical data and interruptions or delays in its operations. Any material disruption in the Company's information technology systems, or delays or difficulties in implementing or integrating new systems or enhancing current systems, could have an adverse effect on Howmet's business, financial condition or results of operations.

Increased global cybersecurity vulnerabilities, threats and more sophisticated and targeted cyberattacks pose a risk to the security of our and our customers', suppliers' and third-party service providers' products, systems and networks, and the confidentiality, availability and integrity of our data. The Company believes that it faces threats of cyberattacks due to the industries it serves, the locations of its operations, and its technological innovations. The Company has experienced cybersecurity attacks in the past, including breaches of its information technology systems in which information was taken, and may experience them in the future, potentially with more frequency or sophistication. Although past attacks have not resulted in known losses of any critical data or had a material impact on Howmet's financial condition or results of operations, the scope and impact of any future incident cannot be predicted. While the Company continually works to safeguard its systems and mitigate potential risks, there is no assurance that such actions will be sufficient to prevent cyberattacks or security breaches that manipulate or improperly use the Company's systems or networks, compromise confidential or otherwise protected information, destroy or corrupt data, block access to its systems, or otherwise disrupt its operations. The occurrence of such events could negatively impact Howmet's reputation and its competitive position and could result in litigation with third parties, regulatory action, loss of business, potential liability and increased remediation costs, any of which could have a material adverse effect on its financial condition and results of operations.

Howmet faces significant competition, which may have an adverse effect on profitability.

As discussed in "Competitive Conditions" in <u>Part I, Item 1</u> (Business) of this report, the markets for Howmet's products are highly competitive. Howmet's competitors include a variety of both U.S. and non-U.S. companies in our product markets, which could include existing customers. New entrants in our markets, new product offerings, new and/or emerging technologies in the marketplace, or new facilities may compete with or replace Howmet products. The willingness of customers to accept alternate solutions for the products sold by Howmet, the ability of large customers to exert leverage in the marketplace to affect the pricing for Howmet's products, and technological advancements or other developments by or affecting Howmet's competitors or customers could adversely affect Howmet's business, financial condition or results of operations.

In addition, Howmet may face increased competition due to industry consolidation. As companies attempt to strengthen or maintain their market positions, companies could be acquired or merged. Companies that are strategic partners in some areas of Howmet's business may acquire or form alliances with Howmet's competitors, thereby reducing their business with Howmet. Industry consolidation may result in stronger competitors who are better able to obtain favorable terms from suppliers or who are better able to compete as sole-source vendors for customers. Consolidation within Howmet's customer base may result in customers who are better able to command increased leverage in negotiating prices and other terms of sale, which could adversely affect Howmet's profitability. Consolidation within Howmet's customer base may also lead to reduced demand for Howmet's products if a combined entity replaces Howmet's products with those of Howmet's competitors with which it has prior relationships. The result of these developments could have a material adverse effect on Howmet's business, operating results and financial condition.



Howmet's competitive position and future performance depends, in part, on the Company's ability to develop and innovate products, deploy technology initiatives and implement advanced manufacturing technologies. While Howmet intends to continue to develop innovative new products and services, it may not be able to successfully differentiate its products or services from those of its competitors or achieve and maintain technological advantages.

Risks Related to Liquidity and Capital Resources

A decline in Howmet's financial performance or outlook could negatively impact its credit profile, its access to capital markets and its borrowing costs.

A decline in the Company's financial performance or outlook due to internal or external factors, such as macroeconomic conditions, a deterioration in the Company's financial metrics or a contraction in the Company's liquidity, could adversely affect the Company's credit ratings and its access to the capital or credit markets on terms and conditions that the Company finds acceptable. A downgrade of Howmet's credit ratings could result in negative consequences, including limiting its ability to obtain future financing on favorable terms, if at all, increasing borrowing costs and credit facility fees, triggering collateral postings, and adversely affecting the market price of Howmet securities. For information on our credit ratings, see "Liquidity and Capital Resources" in Part II, Item 7 (Management's Discussion and Analysis of Financial Condition and Results of Operations). Limitations on Howmet's ability to access global capital markets, a reduction in Howmet's liquidity or an increase in borrowing costs could materially and adversely affect Howmet's ability to maintain or grow its business, which in turn may adversely affect its financial condition, liquidity and results of operations.

Howmet's business and growth prospects may be negatively impacted by limits in its capital expenditures.

Howmet may require substantial capital to invest in growth opportunities and to maintain and prolong the life and capacity of its existing facilities. Insufficient cash generation may negatively impact Howmet's ability to fund its planned sustaining and return-seeking capital projects, which could adversely affect the long-term value of the Company's business and its competitiveness.

An adverse decline in the liability discount rate, lower-than-expected investment return on pension assets and other factors could adversely affect Howmet's results of operations or amount of pension funding contributions in future periods.

Howmet's results of operations may be negatively affected by the amount of expense Howmet records for its pension and other postretirement benefit plans, by reductions in the fair value of plan assets and by other factors. Howmet calculates income or expense for its plans using actuarial valuations in accordance with accounting principles generally accepted in the United States of America ("GAAP"). These valuations reflect assumptions about financial market and other economic conditions, which may change based on changes in key economic indicators. The most significant year-end assumptions used by Howmet to estimate pension or other postretirement benefit income or expense for the following year are the discount rate applied to plan liabilities and the expected long-term rate of return on plan assets. In addition, Howmet is required to make an annual measurement of plan assets and liabilities, which may result in a significant charge to shareholders' equity. For a discussion regarding how Howmet's financial statements can be affected by pension and other postretirement benefits accounting policies, see "Critical Accounting Policies and Estimates—Pension and Other Postretirement Benefits" in <u>Part II</u>, Item 7 (Management's Discussion and Analysis of Financial Condition and Results of Operations) and <u>Note H</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u>.

Adverse capital market conditions could result in reductions in the fair value of plan assets and increase the Company's liabilities related to such plans. Additionally, unpredictable future declines in the discount rate or lower-than-expected investment returns on plan assets could lead to a decline in the plans' funded status and result in higher than expected pension contributions. The foregoing factors may adversely affect the Company's financial condition, liquidity and results of operations.

Dividends and share repurchases fall within the discretion of our Board of Directors, depend on a number of factors, and are subject to limits under the Company's Credit Agreement.

Share repurchases and the declaration of dividends fall within the discretion of Howmet's Board of Directors, and the Board's decision regarding such matters depends on many factors, including Howmet's financial condition, earnings, capital requirements, debt service obligations, covenants associated with certain of the Company's debt obligations, industry practice, legal requirements, regulatory constraints and other factors that the Board deems relevant. In addition, under the Credit Agreement, during the year ending December 31, 2022 (unless the Company ends this period earlier in accordance with the agreement or otherwise), common stock dividends and share repurchases are permitted only if no borrowings are outstanding under the Credit Agreement and are limited to an aggregate amount of \$500 million. The Company previously suspended dividends in April 2020 to preserve cash and provide flexibility in light of the impact of the COVID-19 pandemic but resumed dividend payments in the third quarter of 2021. There can be no assurance that the Company will declare dividends or repurchase stock in the future in any particular amounts, or at all.



Risks Related to Legal and Regulatory Matters

Product liability, product safety, personal injury, property damage, and recall claims and investigations may materially affect Howmet's financial condition and damage its reputation.

The manufacture and sale of our products expose Howmet to potential product liability, personal injury, property damage and related claims. In the event that a Howmet product fails to perform as expected, regardless of fault, or is used in an unexpected manner, and such failure or use results in, or is alleged to result in, bodily injury and/or property damage or other losses, Howmet may be subject to product liability lawsuits and other claims, or may participate in a recall or other corrective action involving such product. In addition, if a Howmet product is perceived to be defective or unsafe, Howmet's sales could decrease, its reputation could be adversely impacted and Howmet could be exposed to government investigations or regulatory enforcement actions. An adverse outcome in one or more of these proceedings or investigations could also have a material adverse effect on Howmet's business, financial condition or profitability; result in substantial monetary damages and/or non-monetary penalties; result in loss of customers; and require changes to our products or business operations.

Our business may be adversely affected if we fail to comply with government contracting regulations.

We derive a portion of our revenue from sales to U.S. and foreign governments and their respective agencies. Such contracts are subject to various procurement laws and regulations and contract provisions relating to their formation, administration and performance. New laws and regulations or changes to existing ones (including, but not limited to, those related to subcontracting, cybersecurity and specialty metals) can increase our risks and/or costs. Failure to comply with these laws, regulations or provisions in our government contracts could result in the imposition of various civil and criminal penalties, termination of contracts, forfeiture of profits, suspension of payments, increased pricing pressure or suspension from future government contracts is adversely affected, our financial condition and results of operation could be adversely affected.

Howmet's global operations expose Howmet to risks that could adversely affect its business, financial condition, results of operations, cash flows or the market price of its securities.

Howmet has operations or activities in numerous countries and regions outside the United States, including Europe, Canada, Mexico, China, and Japan. As a result. Howmet's global operations are affected by economic, political, legal (such as laws regulating international trade), and other conditions in the United States and foreign countries in which Howmet does business, including (i) economic and commercial instability risks, including changes in local government laws, regulations and policies, such as those related to tariffs, sanctions and trade barriers, taxation, exchange controls, employment regulations and repatriation of assets or earnings; (ii) geopolitical risks such as political instability, civil unrest, expropriation, nationalization of properties by a government, imposition of sanctions, and renegotiation or nullification of existing agreements; (iii) war, terrorist activities, kidnapping of personnel or other dangerous conditions: (iv) compliance with applicable U.S. and foreign laws, including antitrust and competition regulations, the Foreign Corrupt Practices Act and other anti-bribery and corruption laws, and laws concerning trade, including the International Traffic in Arms Regulations, the Export Administration Regulations, and the sanctions, regulations and embargoes administered by the U.S. Department of Treasury's Office of Foreign Assets Control; (v) aggressive, selective or lax enforcement of laws and regulations by foreign governmental authorities; (vi) exposure to fluctuations in foreign currency exchange rates and interest rates, as well as inflation, economic factors, and currency controls in the countries in which it operates; and (vii) imposition of currency controls. Howmet faces risks arising from the imposition of cash repatriation restrictions and exchange controls in certain countries in which it operates, including China. Cash repatriation restrictions and exchange controls may limit the Company's ability to convert foreign currencies into U.S. dollars or to remit dividends and other payments by Howmet's foreign subsidiaries or businesses located in or conducted within a country imposing restrictions or controls. Should the Company need to fund its operations using cash from countries where there are restrictions or controls in place, it may be unable to do so on a timely basis and/or without incurring substantial costs. Although the effect of any of the foregoing factors is difficult to predict, any one or more of them could adversely affect Howmet's business, financial condition, or results of operations.

Howmet may face challenges to its intellectual property rights which could adversely affect the Company's reputation, business and competitive position.

Howmet owns important intellectual property, including patents, trademarks, copyrights and trade secrets. The Company's intellectual property plays an important role in maintaining Howmet's competitive position in a number of the markets that the Company serves. Howmet's competitors may develop technologies that are similar or superior to Howmet's proprietary technologies or design around the patents Howmet owns or licenses. Despite its controls and safeguards, Howmet's technology may be misappropriated by its employees, its competitors or other third parties. The pursuit of remedies for any misappropriation of Howmet intellectual property is expensive and the ultimate remedies may be deemed insufficient. Further, in jurisdictions where the enforcement of intellectual property rights is less robust, the risk of misappropriation of Howmet intellectual property increases, despite efforts the Company undertakes to protect it. Developments or assertions by or against



Howmet relating to intellectual property rights, and any inability to protect or enforce Howmet's rights sufficiently, could adversely affect Howmet's business and competitive position.

Howmet may be exposed to significant legal proceedings, investigations or changes in U.S. federal, state or foreign law, regulation or policy.

Howmet is also subject to a variety of global legal and regulatory compliance risks in connection with its business and products. These risks include, among other things, potential claims or compliance issues, including those relating to securities laws, intellectual property rights, insurance, commercial matters, antitrust and competition, human rights, third-party relationships, supply chain operations and the manufacture and sale of products. Howmet could be subject to fines, penalties, damages or suspension, or debarment from government contracts. A future adverse ruling or settlement or unfavorable changes in laws, regulations or policies, or other contingencies that the Company cannot predict with certainty, could have a material adverse effect on the Company's financial condition, results of operations or cash flows in a particular period, and could require substantial attention from management and result in significant legal expenses. For additional information regarding the legal proceedings involving the Company, see <u>Note V</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u>.

Unanticipated changes in Howmet's tax provisions or exposure to additional tax liabilities could affect Howmet's future profitability.

Howmet is subject to income taxes in both the United States and various non-U.S. jurisdictions. Its domestic and international tax liabilities are dependent upon the distribution of income among these different jurisdictions. Changes in applicable domestic or foreign tax laws and regulations, or their interpretation and application, including the possibility of retroactive effect, could affect the Company's tax expense and profitability. Howmet's tax expense includes estimates of additional tax that may be incurred for tax exposures and reflects various estimates and assumptions. The assumptions include assessments of future earnings of the Company that could impact the valuation of its deferred tax assets. The Company's future results of operations could be adversely affected by changes in the effective tax rate as a result of a change in the mix of earnings in countries with differing statutory tax rates, changes in the overall profitability of the Company, changes in tax legislation and rates, changes in generally accepted accounting principles, changes in the valuation of deferred tax assets and liabilities, the results of tax audits and examinations of previously filed tax returns or related litigation and continuing assessments of its tax exposures.

Howmet is subject to privacy and data security/protection laws in the jurisdictions in which it operates and may be exposed to substantial costs and liabilities associated with such laws and regulations.

The regulatory environment surrounding information security and privacy is increasingly demanding, with frequent imposition of new and changing requirements. For example, the European Union's General Data Protection Regulation ("GDPR"), which became effective in May 2018 and was recently updated, imposed significant new requirements on how companies process and transfer personal data, as well as significant fines for non-compliance. Compliance with changes in privacy and information security laws and standards may result in significant expense due to increased investment in technology and the development of new operational processes, which could have a material adverse effect on Howmet's financial condition and results of operations. In addition, the payment of potentially significant fines or penalties in the event of a breach of the GDPR or other privacy and information security laws, as well as the negative publicity associated with such a breach, could damage the Company's reputation.

Labor disputes and other employee relations issues could adversely affect Howmet's business, financial condition or results of operations.

A significant portion of Howmet's employees are represented by labor unions in a number of countries under various collective bargaining agreements with varying durations and expiration dates. For more information, see "Employees" in <u>Part I, Item 1</u> (Business) of this report. Howmet may not be able to renegotiate satisfactorily collective bargaining agreements in the United States and other countries when they expire. In addition, existing collective bargaining agreements may not prevent a strike or work stoppage at Howmet's facilities in the future. Howmet may also be subject to general country strikes or work stoppages unrelated to its business or collective bargaining agreements. Any such work stoppages (or potential work stoppages) could have a material adverse effect on Howmet's business, financial condition or results of operations.

Failure to comply with domestic or international employment and related laws could result in penalties or costs that could have a material adverse effect on Howmet's business results.

Howmet is subject to a variety of domestic and foreign employment laws, such as the Fair Labor Standards Act (which governs such matters as minimum wages, overtime and recordkeeping), state and local wage laws, the Employee Retirement Income Security Act ("ERISA"), and regulations related to safety, discrimination, organizing, whistle-blowing, classification of employees, privacy, citizenship requirements, and healthcare insurance mandates. Class action lawsuits can result from alleged violations of state employment laws. Allegations that Howmet has violated such laws or regulations could damage the Company's reputation and lead to fines from or settlements with federal, state or foreign regulatory authorities or damages



payable to former employees, which could have a material adverse impact on Howmet's business, results of operation and financial condition.

Howmet is exposed to environmental, health and safety risks and is subject to a broad range of health, safety and environmental laws and regulations which may result in substantial costs and liabilities.

Howmet's operations worldwide are subject to numerous complex and increasingly stringent health, safety and environmental laws and regulations. The costs of complying with such laws and regulations, as well as participation in assessments and cleanups of sites, and internal voluntary programs, have been, and in the future could be, significant. Environmental matters for which Howmet may be liable may arise in the future at its present sites, at sites owned or operated by its predecessors or affiliates, at sites that it may acquire in the future, or at third-party sites used by Howmet, its predecessors or affiliates for material and waste handling and disposal. Compliance with health, safety and environmental laws and regulations, including remediation obligations, may impact Howmet's results of operations or liquidity in a particular period.

In addition, the industrial activities conducted at Howmet's facilities present a significant risk of injury or death to our employees or third parties that may be on site. Our operations are subject to regulation by various federal, state and local agencies in the United States and regulation by foreign government entities abroad responsible for employee health and safety, including the Occupational Safety and Health Administration. Material liabilities relating to injury, death or other workers' compensation claims could have a material adverse effect on our results of operations and financial condition or result in negative publicity and/or significant reputational harm.

Howmet may be affected by global climate change or by legal and regulatory responses to such change.

Increased concern over climate change has led to new and proposed legislative and regulatory initiatives, such as cap-and-trade systems, additional limits on emissions of greenhouse gases, and Corporate Average Fuel Economy ("CAFE") standards in the United States. New or revised laws and regulations in this area could directly and indirectly affect Howmet and its customers and suppliers, including by increasing the costs of production or impacting demand for certain products, which could result in an adverse effect on our financial condition, results of operations and cash flows. Additionally, Howmet utilizes natural gas, electricity and other fuels to operate its facilities. Significant increased energy costs, including as a result of new laws, such as carbon pricing or product energy efficiency requirements, could be passed along to the Company and its customers and suppliers. Compliance with any new or more stringent laws or regulations, or stricter interpretations of existing laws, could require additional expenditures by the Company or its customers or suppliers.

Physical risks associated with climate change may result in an increase of the exposure to, and impact of, events with damage due to flooding, extreme winds and extreme precipitation for Howmet locations, suppliers or customers. Prolonged periods of drought may result in wildfires, which may have an adverse effect on production capacity of Howmet sites, suppliers and customers. These types of incidents could have a material adverse effect on our results of operations and financial condition.

With respect to the various transaction agreements that the Company entered into with Arconic Corporation and with Alcoa Corporation in connection with its separation transactions, if the counterparties fail to meet their obligations under such agreements or if we are required to pay under certain indemnification obligations, our business, results of operations and financial condition may be materially adversely affected.

In connection with the Arconic Inc. Separation Transaction and the Alcoa Inc. Separation Transaction, we entered into various agreements with Arconic Corporation and Alcoa Corporation, respectively, including separation and distribution agreements, tax matters agreements, employee matters agreements, intellectual property license agreements, and metal supply agreements. We rely on Arconic Corporation and Alcoa Corporation to satisfy their performance and payment obligations under these agreements. If either Arconic Corporation or Alcoa Corporation is unable or unwilling to satisfy its obligations under its applicable agreements, we could incur operational difficulties and/or material losses.

Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, and certain other agreements between us and Alcoa Corporation, Alcoa Corporation agreed to indemnify us for certain liabilities, and we agreed to indemnify Alcoa Corporation for certain liabilities. Pursuant to the Separation and Distribution Agreement, dated as of March 31, 2020, and certain other agreements between us and Arconic Corporation, Arconic Corporation agreed to indemnify us for certain liabilities, and we agreed to indemnify Arconic Corporation for certain liabilities. Indemnities that we may be required to provide Alcoa Corporation and Arconic Corporation are not subject to any cap, may be significant and could negatively impact our business. Third parties could also seek to hold us responsible for any of the liabilities that Alcoa Corporation or Arconic Corporation, as applicable, agreed to retain. Any amounts we are required to pay pursuant to these indemnification obligations and other liabilities could require us to divert cash that would otherwise have been used in furtherance of the Company's operations. Further, Alcoa Corporation or Arconic Corporation, as applicable, may not be able to fully satisfy its indemnification obligations. Moreover, even if we ultimately succeed in recovering from Alcoa Corporation or Arconic Corporation, as applicable, any amounts for which we are held liable, we may be temporarily required to bear such losses. Each of these risks could negatively affect our business, results of operations and financial condition.



The Arconic Inc. Separation Transaction could result in substantial tax liability.

It was a condition to the distribution of all outstanding shares of Arconic Corporation common stock to the Company's stockholders (the "Distribution of Arconic"), which effected the Arconic Inc. Separation Transaction, that we receive an opinion of our outside counsel, satisfactory to our Board of Directors, regarding the qualification of the distribution, together with certain related transactions, as a "reorganization" within the meaning of Sections 355 and 368(a)(1)(D) of the Internal Revenue Code of 1986, as amended (the "Code"). This condition was satisfied prior to the Distribution of Arconic. However, the opinion of counsel was based upon and relied on, among other things, various facts and assumptions, as well as certain representations, statements and undertakings by us and Arconic Corporation, including those relating to the past and future conduct by us and Arconic Corporation. If any of these facts, assumptions, representations, statements or undertakings is, or becomes, inaccurate or incomplete, or if we or Arconic Corporation breach any of our representations or covenants contained in the separation agreement and certain other agreements and documents or in any documents relating to the opinion of counsel, the opinion of counsel may be invalid and the conclusions reached therein could be jeopardized.

Notwithstanding our receipt of the opinion of counsel, the Internal Revenue Service (the "IRS") could determine that the Distribution of Arconic and/or certain related transactions should be treated as taxable transactions for U.S. federal income tax purposes if it determines that any of the representations, assumptions or undertakings upon which the opinion of counsel was based are false or have been violated. In addition, the opinion of counsel represents the judgment of such counsel and is not binding on the IRS or any court, and the IRS or a court may disagree with the conclusions in the opinion of counsel. Accordingly, notwithstanding receipt of the opinion of counsel, there can be no assurance that: (i) the IRS will not assert that the Distribution of Arconic and/or certain related transactions do not qualify for tax-free treatment for U.S. federal income tax purposes; or (ii) a court would not sustain such a challenge. In the event the IRS were to prevail with such challenge, we, our stockholders and Arconic Corporation, could be subject to significant U.S. federal income tax liability.

If the Distribution of Arconic fails to qualify as a transaction that is generally tax-free for U.S. federal income tax purposes under Sections 355 and 368(a) (1)(D) of the Code, in general, for U.S. federal income tax purposes, we would recognize taxable gain as if we had sold the Arconic Corporation common stock in a taxable sale for its fair market value, and our stockholders who received such Arconic Corporation shares in the Distribution of Arconic would be subject to tax as if they had received a taxable distribution equal to the fair market value of such shares.

Under current U.S. federal income tax law, even if the Distribution of Arconic, together with certain related transactions, otherwise qualifies for tax-free treatment under Sections 355 and 368(a)(1)(D) of the Code, the Distribution of Arconic may nevertheless be rendered taxable to us as a result of certain post-distribution transactions, including certain acquisitions of shares or assets of ours or Arconic Corporation. Under the tax matters agreement entered into between us and Arconic Corporation in connection with the Arconic Inc. Separation Transaction, Arconic Corporation may be required to indemnify us for any taxes resulting from the Arconic Inc. Separation Transaction (and any related costs and other damages) to the extent such amounts resulted from (i) an acquisition of all or a portion of the equity securities or assets of Arconic Corporation, whether by merger or otherwise (and regardless of whether we participated in or otherwise facilitated the acquisition), (ii) other actions or failures to act by Arconic Corporation, or (iii) any of Arconic Corporation's representations, covenants or undertakings contained in the separation agreement and certain other agreements and documents or in any documents relating to the opinion of counsel being incorrect or violated. However, the indemnity from Arconic Corporation may not be sufficient to protect us against the full amount of such additional taxes or related liabilities, and Arconic Corporation may not be able to fully satisfy its indemnification obligations. Moreover, even if we ultimately succeed in recovering from Arconic Corporation any amounts for which we are held liable, we may be temporarily required to bear such losses. In addition, we and our subsidiaries may incur certain tax costs in connection with the Arconic Inc. Separation Transaction, including non-U.S. tax costs resulting from transactions (including the internal reorganization) in non-U.S. jurisdictions, which may be material. Each of these risks could negatively affect our business, r

General Risks

Anti-takeover provisions could prevent or delay a change in control of Howmet, including a takeover attempt by a third party and limit the power of Howmet's shareholders.

Howmet's Certificate of Incorporation and Bylaws contain, and Delaware law contains, provisions that are intended to deter coercive takeover practices and inadequate takeover bids by making such practices or bids unacceptably expensive to the bidder and to encourage prospective acquirers to negotiate with Howmet's Board of Directors rather than to attempt a hostile takeover. For example, Howmet is subject to Section 203 of the Delaware General Corporation Law, which imposes certain restrictions on mergers and other business combinations between the Company and any holder of 15% or more of the Company's outstanding common stock, which could make it more difficult for another party to acquire Howmet. Additionally, the Company's Certificate of Incorporation authorizes Howmet's Board of Directors to issue preferred stock or adopt other anti-takeover measures without stockholder approval. These provisions may apply even if an offer may be considered beneficial by some stockholders and could delay or prevent an acquisition that Howmet's Board of Directors determines is not in the best interests of Howmet's shareholders. These provisions may also limit the price that investors might be willing to pay in the future for shares of Howmet common stock or prevent or discourage attempts to remove and replace incumbent directors.

Item 1B. Unresolved Staff Comments.

None.

Item 2. Properties.

Howmet's principal office and corporate center is located at 201 Isabella Street, Suite 200, Pittsburgh, Pennsylvania 15212-5872.

Howmet leases some of its facilities; however, it is the opinion of management that the leases do not materially affect the continued use of the properties or the properties' values.

Howmet believes that its facilities are suitable and adequate for its operations. Although no title examination of properties owned by Howmet has been made for the purpose of this report, the Company knows of no material defects in title to any such properties. See <u>Note A</u> and <u>Note O</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K.

Howmet has active plants and holdings in various geographic areas. See the table regarding the Company's principal facilities in Part I, Item 1. (Business).

Item 3. Legal Proceedings.

In the ordinary course of its business, Howmet is involved in a number of lawsuits and claims, both actual and potential. For a discussion of legal proceedings, see <u>Note V</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K.

Item 4. Mine Safety Disclosures.

Not applicable.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

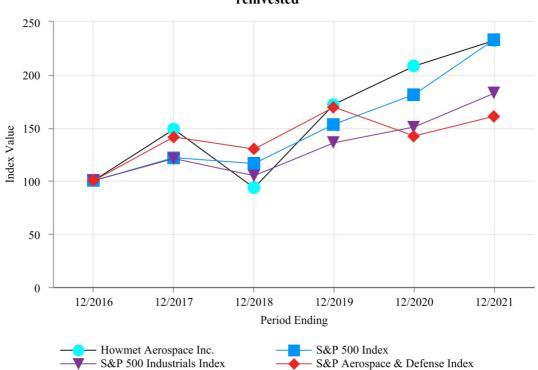
The Company's common stock is listed on the New York Stock Exchange under the symbol "HWM." Prior to the Arconic Inc. Separation Transaction on April 1, 2020, the Company was known as Arconic Inc. and was listed under the stock symbol "ARNC."

The number of holders of record of common stock was 10,278 as of February 11, 2022.

Stock Performance Graph

The following graph compares the most recent five-year performance of the Company's common stock with (1) the Standard & Poor's (S&P) 500[®] Index, (2) the S&P 500[®] Industrials Index, a group of 73 companies categorized by Standard & Poor's as active in the "industrials" market sector, and (3) the S&P Aerospace & Defense Index, which comprises General Dynamics Corporation, Howmet Aerospace Inc., Huntington Ingalls Industries, L3Harris Technologies, Inc., Lockheed Martin Corporation, Northrop Grumman Corporation, Raytheon Technologies Corporation, Textron Inc., The Boeing Company, and Transdigm Group Inc.

The graph assumes, in each case, an initial investment of \$100 on December 31, 2016, and the reinvestment of dividends. The historical prices of the Company presented in the graph and table have been adjusted to reflect the impact of the April 2020 Arconic Inc. Separation Transaction. Because the starting point of the graph is December 31, 2016, the effect of the November 2016 Alcoa Inc. Separation Transaction is already reflected in the Company's stock price on December 31, 2016. The graph, table and related information shall not be deemed to be "filed" with the SEC, nor shall such information be incorporated by reference into future filings under the Securities Act of 1933 or Securities Exchange Act of 1934, each as amended, except to the extent that the Company specifically incorporates it by reference into such filing.



Based upon an initial investment of \$100 at December 31, 2016 with dividends					
reinvested					

Cumulative Total Return

As of December 31,		2016	2017	2018	2019	2020	2021	
Howmet Aerospace Inc.	\$	100.00	\$ 148.79	\$ 93.41	\$ 171.78	\$ 208.04	\$	232.32
S&P 500 [®] Index		100.00	121.83	116.49	153.17	181.35		233.41
S&P 500 [®] Industrials Index		100.00	121.03	104.95	135.77	150.79		182.63
S&P Aerospace & Defense Index		100.00	141.38	129.97	169.39	142.18		160.98

Issuer Purchases of Equity Securities

The following table presents information with respect to the Company's open-market repurchases of its common stock during the quarter ended December 31, 2021:

	ts)				
Period	Total Number of Shares Purchased	Average Price Paid Per Share ⁽¹⁾	Total Number of Shares Purchased as Part of Publicly Announced Repurchase Plans or Programs		Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs ⁽¹⁾⁽²⁾
October 1 - October 31, 2021	879,307	\$ 30.71	879,307	\$	1,525
November 1 - November 30, 2021	2,336,733	\$ 30.79	2,336,733	\$	1,453
December 1 - December 31, 2021	3,546,041	\$ 29.91	3,546,041	\$	1,347
Total for quarter ended December 31, 2021	6,762,081	\$ 30.32	6,762,081		

⁽¹⁾ Excludes commissions cost.

⁽²⁾ On August 18, 2021, the Company announced that its Board of Directors authorized a share repurchase program of up to \$1,500 million of the Company's outstanding common stock. The Board had previously authorized, in May 2019, a share repurchase program of up to \$500 million, of which approximately \$52 million Board authorization remained available as of September 31, 2021. After giving effect to the share repurchases made through the fourth quarter of 2021, approximately \$1,347 million Board authorization remained available as of January 1, 2022. Under the Company's share repurchase programs (the "Share Repurchase Programs"), the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements or other derivative transactions. There is no stated expiration for the Share Repurchase Programs. Under its Share Repurchase Programs, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations, including limits under the Company's Five-Year Revolving Credit Agreement (see <u>Note R</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K for reference). The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Programs may be suspended, modified or terminated at any time without prior notice.

Item 6. Selected Financial Data.

Reserved.



Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.

(dollars in millions, except share and per-share amounts)

The following Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is intended to help the reader understand our results of operations and financial condition. The MD&A is provided as a supplement to, and should be read in conjunction with, our consolidated financial statements and notes thereto included in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

Overview

Our Business

Howmet is a global leader in lightweight metals engineering and manufacturing. Howmet's innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets.

Howmet is a global company operating in 20 countries. Based upon the country where the point of shipment occurred, the United States and Europe generated 68% and 22%, respectively, of Howmet's sales in 2021. In addition, Howmet has operating activities in numerous countries and regions outside the United States and Europe, including Canada, Mexico, China and Japan. Governmental policies, laws and regulations, and other economic factors, including inflation and fluctuations in foreign currency exchange rates and interest rates, affect the results of operations in countries with such activities.

Management Review of 2021 and Outlook

In 2021, Sales decreased 5% over 2020 primarily as a result of lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and Boeing 787 production declines, and lower sales volumes in the defense aerospace market, partially offset by growth in the commercial transportation and industrial gas turbine markets as well as favorable product pricing of \$97. Price increases are in excess of material and inflationary pass through to our customers.

Segment operating profit increased 6% from 2020 due to favorable sales volumes in the commercial transportation and industrial gas turbine markets, cost reductions, and favorable product pricing, partially offset by lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and Boeing 787 production declines and lower sales volumes in the defense aerospace market.

Effective October 14, 2021, John C. Plant assumed the position of sole Chief Executive Officer and continued in his role as Executive Chairman of the Board of Directors. Tolga Oal, the Company's prior Co-Chief Executive Officer, departed the Company and also stepped down from the Board, each effective as of October 14, 2021. The Company has aligned its operations consistent with how the Chief Executive Officer assesses operating performance and allocates capital, which remain unchanged since the Arconic Inc. Separation Transaction (see <u>Note C</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K).

Management continued its focus on liquidity and cash flows as well as improving its operating performance through cost reductions, streamlined organizational structures, margin enhancement, and profitable revenue generation. Management has also continued its intensified focus on capital efficiency. Management's focus and the related results enabled Howmet to end 2021 with a solid financial position.

The following financial information reflects certain key highlights of Howmet's 2021 results:

- Sales of \$4,972, a decrease of 5% from 2020, with significant reductions in sales in commercial aerospace driven by COVID-19 and Boeing 787 production declines;
- Net income from continuing operations of \$258, or \$0.59 per diluted share;
- Income from continuing operations before income taxes of \$324, an increase of \$153, or 89%, from 2020;
- Total segment operating profit of \$939, an increase of \$49, or 6%, from 2020⁽¹⁾;
- Cash provided from operations of \$449; cash used for financing activities of \$1,444; and cash provided from investing activities of \$107;
- Purchased approximately 13 million shares of Common Stock under the Share Repurchase Programs for approximately \$430;
- Cash on hand and restricted cash at the end of the year of \$722;
- Total debt of \$4,232, a decrease of \$843 from 2020, reflecting redemptions or repurchases, as applicable, of \$361, \$476, \$600, and \$100 of the 5.400% Notes due 2021 (the "5.400% Notes"), the 5.870% Notes due 2022 (the "5.870% Notes"), the 6.875% Notes due 2025 (the "6.875% Notes"), and the 5.125% Notes due 2024 (the "5.125% Notes"), respectively, during 2021, partially offset by issuance of \$700 of the 3.000% Notes due 2029 during 2021; and



- The Company's common stock had a closing price of \$31.38 per share at December 31, 2021, an increase of \$18.63 per share, or 141%, since the Arconic Inc. Separation Transaction on April 1, 2020, compared to an increase of 93% and 51% for the S&P 500[®] Index and S&P Aerospace & Defense Index, respectively, over the same period.
- ⁽¹⁾ See below in Results of Operations for the reconciliation of Total segment operating profit to Income from continuing operations before income taxes.

In 2022, management projects sales to increase as we expect robust growth in most of the Company's key markets, and the Company's strong position in those markets is expected to continue. The Company expects higher metal costs to also contribute to increased sales in 2022. Earnings per share is expected to grow as management continues to focus on operational performance. Cash provided from operations is expected to increase for the full year in 2022 compared with 2021, resulting from a continued focus on operating performance and on capital efficiency. Capital expenditures are expected to be less than depreciation and amortization.

Results of Operations

Earnings Summary

Sales. Sales for 2021 were \$4,972 compared with \$5,259 in 2020, a decrease of \$287, or 5%. The decrease was primarily due to lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and Boeing 787 production declines and lower sales volumes in the defense aerospace market, partially offset by growth in the commercial transportation and industrial gas turbine markets as well as favorable product pricing of \$97. Price increases are in excess of material and inflationary pass through to our customers.

Sales for 2020 were \$5,259 compared with \$7,098 in 2019, a decrease of \$1,839, or 26%. The decrease was primarily a result of lower sales volumes in the commercial aerospace and commercial transportation markets driven by the impacts of COVID-19 and Boeing 737 MAX ("737 MAX") and Boeing 787 production declines along with a decrease in sales of \$116 due to the divestiture of the forgings business in the U.K. in December 2019, all partially offset by growth in the defense aerospace and industrial gas turbine markets and favorable product pricing.

Cost of goods sold ("COGS"). COGS as a percentage of Sales was 72.3% in 2021 compared with 73.7% in 2020. The decrease was primarily due to structural cost reductions and favorable product pricing. In 2019, the Company sustained a fire at a Fastening Systems plant in France ("France Plant Fire"). Additionally, a fire occurred at a Forged Wheels plant in Barberton, Ohio in mid-February 2020 ("Barberton Plant Fire"). The Company submitted insurance claims related to these plant fires and received partial settlements of \$32 in 2021 compared to \$39 in 2020, which were in excess of the insurance deductible. In 2021, the Company recorded charges of \$28 related to plant fires compared to \$41 in 2020. The downtime in 2021 and 2020 reduced production levels and affected productivity at the plants. The Company anticipates additional charges related to these plant fires of approximately \$5 to \$15 in 2022.

COGS as a percentage of Sales was 73.7% in 2020 compared with 73.5% in 2019. The increase was primarily due to the impact of COVID-19 and lower sales volumes, partially offset by net cost savings, favorable product pricing, intentional product exits, and the impairment of energy business assets of \$10 in the second quarter of 2019. The Company submitted insurance claims related to the France Plant Fire and the Barberton Plant Fire, and received partial settlements of \$39 in 2020 compared to \$25 in 2019, which were in excess of the insurance deductible. In 2020, the Company recorded charges of \$41 related to the plant fires compared to \$26 in 2019. The downtime reduced production levels and affected productivity at the plants.

Selling, general administrative, and other expenses ("SG&A"). SG&A expenses were \$251, or 5.0% of Sales, in 2021 compared with \$277, or 5.3% of Sales, in 2020. The decrease in SG&A of \$26, or 9%, was primarily due to overhead cost reductions in 2021 and costs incurred in 2020 associated with the Arconic Inc. Separation Transaction.

SG&A expenses were \$277, or 5.3% of Sales, in 2020 compared with \$400, or 5.6% of Sales, in 2019. The decrease in SG&A of \$123, or 31%, was primarily due to overhead cost reductions and lower net legal and other advisory costs related to Grenfell Tower of \$20, partially offset by higher costs associated with the Arconic Inc. Separation Transaction through June 30, 2020 of \$2.

Research and development expenses ("R&D"). R&D expenses were \$17 in both 2021 and 2020.

R&D expenses were \$17 in 2020 compared with \$28 in 2019. The decrease of \$11, or 39%, was primarily due to the consolidation of the Company's primary R&D facility in conjunction with ongoing cost reduction efforts.

Provision for depreciation and amortization ("D&A"). The provision for D&A was \$270 in 2021 compared with \$279 in 2020. The decrease of \$9, or 3%, was primarily driven by lower corporate software amortization and research center depreciation as well as \$1 of D&A related to the Barberton Plant Fire in 2021 compared to \$6 in 2020.

The provision for D&A was \$279 in 2020 compared with \$295 in 2019. The decrease of \$16, or 5%, was primarily driven by asset impairments of the Disks long-lived asset group during the second quarter of 2019 (see <u>Note O</u> and <u>Note P</u> to the



Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K) and the impact of divestitures, as well as lower corporate software amortization and research center depreciation, which were partially offset by increased Forged Wheels D&A due to the capacity expansion in Hungary, capacity expansions at two U.S. facilities and an additional \$6 of D&A related to the Barberton Plant Fire.

Restructuring and other charges. Restructuring and other charges were \$90 in 2021 compared with \$182 in 2020 and \$582 in 2019.

Restructuring and other charges in 2021 consisted primarily of a \$75 charge for U.K. and U.S. pension plans' settlement accounting, a \$15 charge for accelerated depreciation primarily related to the closure of small U.S. manufacturing facilities in Engine Products and Fastening Systems, a \$7 charge for layoff costs, a \$4 charge for impairment of assets associated with an agreement to sell a small manufacturing business in France, and a \$4 charge for various other exit costs. These charges were partially offset by a gain of \$12 on the sale of assets at a small U.S. manufacturing facility in Fastening Systems and a benefit of \$3 related to the reversal of a number of layoff reserves related to prior periods. The Company has closed some small manufacturing facilities and may in the future close additional small facilities in order to consolidate operations, reduce fixed costs, and exit less profitable businesses.

Restructuring and other charges in 2020 consisted primarily of a \$113 charge for layoff costs, a \$74 charge for U.K. and U.S. pension plans' settlement accounting, a \$5 post-closing adjustment related to the sale of the Company's U.K. forgings business, a \$5 charge for impairment of assets associated with an agreement to sell an aerospace components business in the U.K, which ultimately did not occur and the business was returned to held for use, a \$5 charge related to the impairment of a cost method investment, which were partially offset by a benefit of \$21 related to the reversal of a number of prior period programs.

Restructuring and other charges in 2019 consisted primarily of a \$428 charge for impairment of the Disks long-lived asset group, a \$69 charge for layoff costs, a \$46 charge for impairment of assets associated with an agreement to sell the U.K. forgings business, a \$14 charge for impairment of properties, plants, and equipment related to the Company's primary research and development facility, a \$13 loss on sale of assets primarily related to a small additive business, a \$12 charge for other exit costs from lease terminations primarily related to the exit of the corporate aircraft, a \$9 settlement accounting charge for U.S. pension plans, a \$5 charge for impairment of a cost method investment, and a \$7 charge for other exit costs, which were partially offset by a benefit of \$16 related to the elimination of the life insurance benefit for U.S. salaried and non-bargaining hourly retirees of the Company and its subsidiaries.

See <u>Note E</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

Interest expense, net. Interest expense, net was \$259 in 2021 compared with \$317 in 2020. The decrease of \$58, or 18%, was primarily due to a reduced average level of debt for the year ended December 31, 2021 compared to the year ended December 31, 2020. On an annual basis, the debt activity in 2021 will decrease Interest expense, net by approximately \$70.

Interest expense, net was \$317 in 2020 compared with \$338 in 2019. The decrease of \$21, or 6%, was primarily due to a reduced average level of debt for the year ended December 31, 2020 compared to the year ended December 31, 2019.

See Note R to the Consolidated Financial Statements in Part II, Item 8 (Financial Statements and Supplementary Data) of this Form 10-K.

Loss on debt redemption. Debt redemption or tender premiums include the cost to redeem or repurchase certain of the Company's notes at a price which may be equal to the greater of the principal amount or the sum of the present values of the remaining scheduled payments, discounted using a defined treasury rate plus a spread, or a price based on the market price of its notes. Loss on debt redemption was \$146 in 2021 compared with \$64 in 2020. The increase of \$82, or 128%, was primarily due to debt premiums paid in 2021 on the 6.875% Notes in 2021, partially offset by debt redemption or tender premiums, as applicable, paid in 2020 on the 6.150% Notes due 2020 (the "6.150% Notes") and the 5.400% Notes.

Loss on debt redemption was \$64 in 2020 compared with none in 2019. The increase of \$64 was primarily due to debt redemption or tender premiums paid, as applicable, on the 6.150% Notes, the 5.400% Notes, and the 5.870% Notes in 2020.

See Note R to the Consolidated Financial Statements in Part II, Item 8 (Financial Statements and Supplementary Data) of this Form 10-K.

Other expense, net. Other expense, net was \$19 in 2021 compared with \$74 in 2020. The decrease in expense of \$55 was primarily driven by the write-off of an indemnification receivable of \$53 related to a Spanish tax reserve, reflecting Alcoa Corporation's 49% share and Arconic Corporation's 33.66% share, that occurred in 2020 and did not occur in 2021 and lower non-service related net periodic benefit costs related to defined benefit plans in 2021 of \$17, which were partially offset by unfavorable foreign currency movements of \$13. Non-service related net periodic benefit costs related to defined benefit plans declined approximately 65% from 2020 to 2021.



Other expense, net was \$74 in 2020 compared with \$31 in 2019. The increase in expense of \$43 was primarily driven by the write-off of an indemnification receivable of \$53 related to a Spanish tax reserve, reflecting Alcoa Corporation's 49% share and Arconic Corporation's 33.66% share, and lower interest income of \$19, which were partially offset by lower deferred compensation expense of \$14 and favorable foreign currency movements of \$16.

Income taxes. Howmet's effective tax rate was 20.4% (provision on pre-tax income) in 2021 compared with the U.S. federal statutory rate of 21%. The effective rate differs from the U.S. federal statutory rate primarily as a result of a \$32 benefit from the recognition of income tax credits related to development incentives in Hungary, and a \$9 benefit related to updated U.S. regulatory guidance concerning the utilization of foreign tax credits in connection with the one-time transition tax on the deemed repatriation of previously non-taxed post-1986 earnings and profits of certain foreign subsidiaries enacted as part of the U.S. Tax Cuts and Jobs Act of 2017 (the "2017 Act"), partially offset by \$9 of charges from the decision to no longer permanently reinvest earnings in certain foreign subsidiaries, \$7 of charges from distributions of foreign earnings, \$8 of charges to establish a valuation allowance on certain net operating losses in Switzerland, \$6 of charges related to U.S. tax on foreign income, and other impacts related to nondeductible expenses including foreign losses with no tax benefit. Howmet anticipates that the effective tax rate in 2022 will be between 24.5% and 25.5%.

Howmet's effective tax rate was 23.4% (benefit on pre-tax income) in 2020 compared with the U.S. federal statutory rate of 21%. The effective rate differs from the U.S. federal statutory rate primarily as a result of a \$64 benefit related to the release of an income tax reserve following a favorable Spanish tax case decision, a \$30 benefit related to the recognition of a previously uncertain U.S. tax position, and a \$30 benefit for a U.S. tax law change related to the issuance of final regulations that provide for an exclusion of certain high-taxed foreign earnings from the calculation of Global Intangible Low-Taxed Income ("GILTI"), partially offset by U.S. tax on foreign earnings, \$8 of charges related to the reversal of indemnification receivables associated with the favorable Spanish tax case decision, and the tax impact of other nondeductible expenses.

Howmet's effective tax rate was 40.0% (provision on pre-tax income) in 2019 compared with the U.S. federal statutory rate of 21%. The effective rate differs from the U.S. federal statutory rate primarily as a result of foreign income taxed in higher rate jurisdictions and subject to U.S. taxes including GILTI, foreign losses with no tax benefit, and other nondeductible expenses, partially offset by a \$24 benefit associated with the deduction of foreign taxes that were previously claimed as a U.S. foreign tax credit, and a \$12 benefit for a foreign tax rate change.

Net income from continuing operations. Net income from continuing operations was \$258, or \$0.59 per diluted share, for 2021 compared to \$211, or \$0.48 per diluted share, in 2020. The increase in results of \$47, or 22%, was primarily due to cost reductions, a decrease of \$92 in Restructuring and other charges, and a decrease of \$58 in Interest expense, net, partially offset by lower sales volumes in the commercial aerospace and defense aerospace market, an increase in the Provision for income taxes, and an increase in the Loss on debt redemption of \$82.

Net income from continuing operations was \$211, or \$0.48 per diluted share, for 2020 compared to \$126, or \$0.27 per diluted share, in 2019. The increase in results of \$85, or 67%, was primarily due to the non-recurring 2019 impact of the \$428 charge for impairment of the Disks long-lived asset group included in Restructuring and other charges, a decrease of \$123 due to lower SG&A costs, favorable product pricing, and a net \$10 related to the settlement of the Spanish corporate income tax audit, partially offset by a decrease in sales volumes in the commercial aerospace and commercial transportation markets, the impact of COVID-19, and an increase in premiums paid on the early redemption of debt of \$59.

Net income. Net income was \$258 for 2021, all of which was composed of \$258 of income from continuing operations, or \$0.59 per diluted share.

Net income was \$261 for 2020, composed of \$211 of income from continuing operations and \$50 from discontinued operations, or \$0.48 and \$0.11 per diluted share, respectively.

Net income was \$470 for 2019, composed of \$126 of income from continuing operations and \$344 from discontinued operations, or \$0.27 and \$0.76 per diluted share, respectively.

See details of discontinued operations in <u>Note C</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

Segment Information

The Company's operations consist of four worldwide reportable segments: Engine Products, Fastening Systems, Engineered Structures and Forged Wheels. Segment performance under Howmet's management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment operating profit. Howmet's definition of Segment operating profit is Operating income excluding Special items. Special items include Restructuring and other charges and Impairment of Goodwill. Segment operating profit may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate. The Company has aligned its operations consistent with how the Chief Executive Officer assesses operating performance and allocates capital, which remain unchanged since the Arconic Inc. Separation Transaction (see <u>Note C</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K for reference).

The Company produces aerospace engine parts and components and aerospace fastening systems for 737 MAX airplanes. In late December 2019, Boeing announced a temporary suspension of the production of 737 MAX airplanes. This decline in production had a negative impact on sales and segment operating profit in the Engine Products, Fastening Systems and Engineered Structures segments in 2020 and the first half of 2021. While regulatory authorities in the United States and certain other jurisdictions lifted grounding orders beginning in late 2020, our sales remained at lower levels through the first half of 2021 due to the residual impacts of the 737 MAX grounding.

The Company also produces aerospace engine parts and components and aerospace fastening systems for Boeing 787 airplanes. In 2020 and 2021, Boeing reduced production rates of the 787 airplanes. Boeing paused deliveries of its 787 aircraft in May 2021. The significant decline in Boeing 787 production rates had a negative impact on sales and segment operating profit in the Engine Products, Fastening Systems, and Engineered Structures segments in 2021. We expect reduced production rates to continue to have a negative impact on our sales and segment operating profit into 2022.

Income from continuing operations before income taxes totaled \$324 in 2021, \$171 in 2020, and \$210 in 2019. Segment operating profit for all reportable segments totaled \$939 in 2021, \$890 in 2020, and \$1,390 in 2019. See below for the reconciliation of Income from continuing operations before income taxes to Total segment operating profit.

The following information provides Sales and Segment operating profit for each reportable segment for each of the three years in the period ended December 31, 2021.

Engine Products

	2021	2020	2019
Third-party sales	\$ 2,282	\$ 2,406	\$ 3,320
Segment operating profit	440	417	621

Engine Products produces investment castings, including airfoils, and seamless rolled rings primarily for aircraft engines (aerospace commercial and defense) and industrial gas turbines. Engine Products produces rotating parts as well as structural parts, which are sold directly to customers. Generally, the sales and costs and expenses of this segment are transacted in the local currency of the respective operations, which are mostly the U.S. dollar, British pound, Euro, and Japanese yen.

Third-party sales for the Engine Products segment decreased \$124, or 5%, in 2021 compared with 2020, primarily due to lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and Boeing 787 production declines and lower sales volumes in the defense aerospace market, partially offset by higher sales volumes in the industrial gas turbine market.

Third-party sales for the Engine Products segment decreased \$914, or 28%, in 2020 compared with 2019, primarily due to lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and the suspension of 737 MAX production, along with a decrease in sales of \$116 from the divestiture of the forgings business in the U.K. in December 2019 (see <u>Note U</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> of this Form 10-K), partially offset by higher sales volumes in the defense aerospace and industrial gas turbine markets as well as favorable product pricing.

Segment operating profit for the Engine Products segment increased \$23, or 6%, in 2021 compared with 2020, primarily due to cost reductions and favorable product pricing, partially offset by lower sales volumes in the commercial aerospace market driven by the impact of COVID-19 and Boeing 787 production declines, and lower sales volumes in the defense aerospace market. The segment added approximately 950 headcount since the first quarter of 2021 in anticipation of revenue increases into 2022.

Segment operating profit for the Engine Products segment decreased \$204, or 33%, in 2020 compared with 2019, primarily due to lower commercial aerospace sales volumes from the suspension of 737 MAX production and COVID-19 productivity impacts, partially offset by cost reductions, favorable product pricing, and favorable sales volumes in the defense aerospace and industrial gas turbine markets.

On December 1, 2019, the Company completed the divestiture of its forgings business in the U.K. The forgings business primarily produced steel, titanium, and nickel based forged components for aerospace, mining, and off-highway markets. This business generated third-party sales of \$116 in 2019 and had 540 employees at the time of the divestiture.

In 2022, as compared to 2021, demand in the commercial aerospace and industrial gas turbine markets is expected to increase.

Fastening Systems

	2021		2020	2019		
Third-party sales	\$ 1,044	\$	1,245	\$	1,561	
Segment operating profit	190		247		396	

Fastening Systems produces aerospace fastening systems, as well as commercial transportation fasteners. The business's high-tech, multi-material fastening systems are found nose to tail on aircraft and aero engines. The business's products are also critical components of automobiles, commercial transportation vehicles, and construction and industrial equipment. Fastening Systems are sold directly to customers and through distributors. Generally, the sales and costs and expenses of this segment are transacted in the local currency of the respective operations, which are mostly the U.S. dollar, British pound, and Euro.

Third-party sales for the Fastening Systems segment decreased \$201, or 16%, in 2021 compared with 2020, primarily due to lower sales volumes in the commercial aerospace market, driven by the impact of COVID-19 and Boeing 787 production declines, partially offset by higher sales volumes in the commercial transportation and industrial markets.

Third-party sales for the Fastening Systems segment decreased \$316, or 20%, in 2020 compared with 2019, primarily due to lower sales volumes in the commercial aerospace market, driven by the impact of COVID-19 and the suspension of 737 MAX production, as well as lower sales volumes in the commercial transportation market which was also impacted by the effects of COVID-19, partially offset by sales volume growth in the industrial market and favorable product pricing.

Segment operating profit for the Fastening Systems segment decreased \$57, or 23%, in 2021 compared with 2020, primarily due to lower sales volumes in the commercial aerospace market, driven by the impact of COVID-19 and Boeing 787 production declines, partially offset by cost reductions and favorable sales volumes in the commercial transportation and industrial markets.

Segment operating profit for the Fastening Systems segment decreased \$149, or 38%, in 2020 compared with 2019, primarily due to lower commercial aerospace and commercial transportation sales volumes and COVID-19 productivity impacts, partially offset by cost reductions and favorable product pricing.

In 2022, as compared to 2021, demand in the commercial aerospace and commercial transportation markets is expected to increase.

Engineered Structures			
	2021	2020	2019
Third-party sales	\$ 725	\$ 927	\$ 1,255
Segment operating profit	54	73	120

Engineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components, and assemblies for aerospace and defense applications. The segment's products are sold directly to customers and through distributors, and sales and costs and expenses of this segment are generally transacted in the local currency of the respective operations, which are mostly the U.S. dollar and British pound.

Third-party sales for the Engineered Structures segment decreased \$202, or 22%, in 2021 compared with 2020, primarily due to lower sales volumes in the commercial aerospace market, driven by the impact of COVID-19 and Boeing 787 production declines, and lower sales volumes in the defense aerospace market, including lower F-35 program volumes.

Third-party sales for the Engineered Structures segment decreased \$328, or 26%, in 2020 compared with 2019, primarily due to lower sales volumes in the commercial aerospace market, driven by COVID-19 and Boeing 787 production declines and the 737 MAX production suspension, partially offset by an increase in defense aerospace sales volumes and favorable product pricing.

Segment operating profit for the Engineered Structures segment decreased \$19, or 26%, in 2021 compared with 2020, primarily due to lower sales volumes in the commercial aerospace market, driven by the impact of COVID-19 and Boeing 787 production declines, and lower sales volumes in the defense aerospace market, including lower F-35 program volumes, partially offset by cost reductions.

Segment operating profit for the Engineered Structures segment decreased \$47, or 39%, in 2020 compared with 2019, primarily due to lower commercial aerospace sales volumes and COVID-19 productivity impacts, partially offset by cost reductions and favorable product pricing.

In 2022, as compared to 2021, demand in the commercial aerospace market is expected to increase. However, demand in the defense aerospace market is expected to be down.

Forged Wheels

	2021	2020	2019
Third-party sales	\$ 921	\$ 679	\$ 969
Segment operating profit	255	153	253

Forged Wheels produces forged aluminum wheels and related products for heavy-duty trucks, trailers, and buses globally. Forged Wheels' products are sold directly to OEMs and through distributors. Generally, the sales and costs and expenses of this segment are transacted in the local currency of the respective operations, which are mostly the U.S. dollar and Euro.

Third-party sales for the Forged Wheels segment increased \$242, or 36%, in 2021 compared with 2020, primarily due to higher sales volumes in the commercial transportation market and higher metal prices.

Third-party sales for the Forged Wheels segment decreased \$290, or 30%, in 2020 compared with 2019, primarily due to lower sales volumes in the commercial transportation market driven by COVID-19 and production downtime related to the Barberton Plant Fire (discussed below).

Segment operating profit for the Forged Wheels segment increased \$102, or 67%, in 2021 compared with 2020, primarily due to higher commercial transportation sales volumes, fixed cost reductions, and maximizing production in low-cost countries.

Segment operating profit for the Forged Wheels segment decreased \$100, or 40%, in 2020 compared with 2019, primarily due to lower commercial transportation sales volumes and COVID-19 productivity impacts, partially offset by cost reductions.

In mid-February 2020, a fire occurred at the Company's forged wheels plant located in Barberton, Ohio. The downtime reduced production levels and affected productivity at the plant. The Company has insurance with a deductible of \$10.

In 2022, as compared to 2021, demand in the commercial transportation markets served by Forged Wheels is expected to increase in most regions. An increase in metal costs is expected to contribute to an increase in sales as the Company generally passes through metal costs. However, sales in the Forged Wheels segment could be negatively impacted by customer supply chain constraints.

Reconciliation of Total segment operating profit to Income from continuing operations before income taxes

	20	21	2020	2019
Income from continuing operations before income taxes	\$	324	\$ 171	\$ 210
Loss on debt redemption		146	64	_
Interest expense, net		259	317	338
Other expense, net		19	74	31
Consolidated operating income	\$	748	\$ 626	\$ 579
Unallocated amounts:				
Restructuring and other charges		90	182	582
Corporate expense		101	82	229
Total segment operating profit	\$	939	\$ 890	\$ 1,390

Total segment operating profit is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because management reviews the operating results of the segments of the Company excluding Corporate results.

See Restructuring and other charges, Loss on debt redemption, Interest expense, net and Other expense, net, discussions above under "Results of Operations" for reference.

Corporate expense increased \$19, or 23%, in 2021 compared with 2020 primarily due to costs associated with closures, shutdowns, and other items of \$32 and legal and other advisory reimbursements received in 2020 that did not recur in 2021 aggregating to \$8, partially offset by lower net costs related to the Barberton Plant Fire and the France Plant Fire of \$6 and lower costs driven by overhead cost reductions, as well as costs incurred in 2020 associated with the Arconic Inc. Separation Transaction of \$7 that did not recur in 2021.

Corporate expense decreased \$147, or 64%, in 2020 compared with 2019, primarily due to lower annual incentive compensation accruals and executive compensation costs, lower costs driven by overhead cost reductions, lower contract services and outsourcing costs; lower research and development expenses; and lower net legal and other advisory costs along with costs incurred in 2019 that did not recur in 2020, including the impacts of facility fires, net of insurance of \$6, and collective bargaining agreement negotiation costs of \$9. Costs associated with the Arconic Inc. Separation Transaction of \$7 were an increase of \$2 compared to 2019.

Environmental Matters

See the Environmental Matters section of Note V to the Consolidated Financial Statements in Part II, Item 8 of this Form 10-K.

Liquidity and Capital Resources

Howmet maintains a disciplined approach to cash management and the strengthening of its balance sheet. Management continued to focus on actions to improve Howmet's cost structure and liquidity, providing the Company with the ability to operate effectively. Such actions included procurement efficiencies and overhead rationalization to reduce costs, working capital initiatives, and maintaining a sustainable level of capital expenditures.

Cash provided from operations and financing activities is expected to be adequate to cover Howmet's operational and business needs over the next 12 months. For an analysis of long-term liquidity, see "Contractual Obligations" and "Off-Balance Sheet Arrangements" below.

At December 31, 2021, cash and cash equivalents of Howmet were \$720, of which \$199 was held by Howmet's non-U.S. subsidiaries. If the cash held by non-U.S. subsidiaries were to be repatriated to the U.S., the Company does not expect there to be additional material income tax consequences.

The cash flows related to Arconic Corporation have not been segregated and are included in the Statement of Consolidated Cash Flows for all periods prior to the Arconic Inc. Separation Transaction.

Operating Activities

Cash provided from operations in 2021 was \$449 compared with \$9 in 2020 and \$461 in 2019.

The increase in cash provided from operations of \$440, or 4,889%, between 2021 and 2020 was due to lower working capital of \$357, lower pension contributions of \$161, and lower noncurrent liabilities of \$12, partially offset by lower operating results of \$38 and the write-off of an indemnification receivable of \$53 related to a Spanish tax reserve that occurred in 2020 and did not occur in 2021. The components of the change in working capital included favorable changes in accounts payable of \$525, accrued expenses of \$71, and prepaid expenses and other current assets of \$13, offset by taxes, including income taxes of \$139, receivables of \$99 including employee retention credit receivables, and inventories of \$14.

The decrease in cash provided from operations of \$452, or 98%, between 2020 and 2019 was primarily due to lower operating results of \$874, partially offset by lower working capital of \$355, lower noncurrent assets of \$46, lower noncurrent liabilities of \$10, and lower pension contributions of \$11. The components of the change in working capital included favorable changes in receivables of \$739, taxes, including income taxes of \$100, and inventories of \$77, offset by accounts payable of \$380, accrued expenses of \$175 and prepaid expenses and other current assets of \$6.

Financing Activities

Cash used for financing activities was \$1,444 in 2021 compared with \$369 in 2020 and \$1,568 in 2019.

The use of cash in 2021 was primarily related to the repayments on the aggregate outstanding principal amount of long-term debt of approximately \$1,537, repurchase of common stock of \$430, premiums paid on the redemption of debt of \$138, dividends paid to shareholders of \$19, and debt issuance costs of \$11. These items were partially offset by long-term debt issuance of \$700 and proceeds from the exercise of employee stock options of \$22. On an annual basis, the debt activity in 2021 will decrease Interest expense, net by approximately \$70.

The use of cash in 2020 was primarily related to the repayments on borrowings under certain revolving credit facilities (see below) and repayments on debt, primarily the aggregate outstanding principal amount of the 6.150% Notes due 2020 of approximately \$2,040, cash distributed to Arconic Corporation at the Arconic Inc. Separation Transaction of \$500, repurchase of common stock of \$73, debt issuance costs of \$61, premiums paid on the redemption of debt of \$59, and dividends paid to shareholders of \$11. These items were partially offset by long-term debt issuance of \$2,400 (of which \$1,200 went with Arconic Corporation at the Arconic Inc. Separation Transaction) and proceeds from the exercise of employee stock options of \$33.

The use of cash in 2019 was primarily related to the repurchase of \$1,150 of common stock, repayments on borrowings under certain revolving credit facilities (see below) and repayments on debt, primarily the aggregate outstanding principal amount of



the 1.63% Convertible Notes of approximately \$403, and dividends paid to shareholders of \$57. These items were partially offset by proceeds from the exercise of employee stock options of \$56.

The Company has an effective shelf registration statement on Form S-3, filed with the SEC, which allows for offerings of debt securities from time to time. The Company may opportunistically issue new debt securities under such registration statement or otherwise in accordance with securities laws, including but not limited to in order to refinance existing indebtedness.

For further details regarding the Company's debt and stock repurchases, see <u>Note R</u> and <u>Note J</u>, respectively, to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

The Company maintains a credit facility pursuant to its Five-Year Revolving Credit Agreement (the "Credit Agreement") with a syndicate of lenders and issuers named therein. In addition, the Company had other credit facilities that terminated in 2020. See <u>Note R</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

The Company may in the future repurchase additional portions of its debt or equity securities from time to time, in either the open market or through privately negotiated transactions, in accordance with applicable SEC and other legal requirements. The timing, prices, and sizes of purchases depend upon prevailing trading prices, general economic and market conditions, and other factors, including applicable securities laws. Such purchases may be completed by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases, tender offers, and/or accelerated share repurchase agreements or other derivative transactions.

The Company's costs of borrowing and ability to access the capital markets are affected not only by market conditions but also by the short- and long-term debt ratings assigned to the Company by the major credit rating agencies.

The Company's credit ratings from the three major credit rating agencies are as follows:

	Issuer Rating	Outlook	Date of Last Update
S&P Ratings Service	BB+	Stable	December 3, 2021
Moody's Investors Service ("Moody's")	Ba2	Stable	August 18, 2021
Fitch Investors Service ("Fitch")	BBB-	Stable	August 18, 2021

On December 3, 2021, S&P affirmed Howmet's long-term debt rating at BB+ and upgraded the current outlook from negative to stable, citing the Company's good margins, positive free cash flow, and an anticipated recovery in aircraft demand.

On August 18, 2021, Moody's affirmed the following ratings for Howmet: long-term debt at Ba2 and the current outlook as stable.

On August 18, 2021, Fitch also affirmed the following ratings for Howmet: long-term debt at BBB- and the current outlook as stable.

Investing Activities

Cash provided from investing activities was \$107 in 2021 compared with \$271 in 2020 and \$528 in 2019.

The source of cash in 2021 was primarily cash receipts from sold receivables of \$267 and proceeds from the sale of a small manufacturing plant in France of \$8 and the sale of assets at a small U.S. manufacturing facility in Fastening Systems of \$23, partially offset by capital expenditures of \$199 primarily related to capacity expansion investments in Hungary and Mexico in Forged Wheels and various automation projects. As a result of accounts receivables securitization program changes in 2021, there will be no additional activity related to cash receipts from sold receivables within investing activities in the Statement of Consolidated Cash Flows in future periods. The net cash funding from the sale of accounts receivable was neither a use of cash nor a source of cash during 2021.

The source of cash in 2020 was primarily cash receipts from sold receivables of \$422 and proceeds from the sale of a rolling mill business in Itapissuma, Brazil of \$50 and a hard alloy extrusions plant in South Korea of \$62, both of which were related to Arconic Corporation (see <u>Note C</u> and <u>Note U</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K), partially offset by capital expenditures of \$267.

The source of cash in 2019 was primarily cash receipts from sold receivables of \$995, proceeds from the sale of assets and businesses of \$103, primarily from the sale of a forgings business in the U.K. for \$64 and the sale of inventories and properties, plants, and equipment related to a small energy business for \$13, as well as contingent consideration of \$20 related to the sale of the Texarkana, Texas rolling mill (which was related to Arconic Corporation) (see <u>Note C</u> and <u>Note U</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K), and the sale of fixed income securities of \$73, partially offset by capital expenditures of \$641, including expansion of a wheels plant in Hungary,

expansion of aerospace airfoils capacity in the United States, and transition of the Tennessee plant to industrial production (which related to Arconic Corporation).

Contractual Obligations and Off-Balance Sheet Arrangements

Contractual Obligations

Howmet is required to make future payments under various contracts, including long-term purchase obligations, financing arrangements, and lease agreements. Howmet also has commitments to fund its pension plans, provide payments for other postretirement benefit plans, and fund capital projects.

In order to better understand Howmet's outstanding contractual obligations, the table below represents a summary of these commitments as of December 31, 2021 (these contractual obligations are grouped in the same manner as they are classified in the Statement of Consolidated Cash Flows in order to provide a better understanding of the nature of the obligations and to provide a basis for comparison to historical information):

	Total	2022	2023-2024	2025-2026	Thereafter
Operating activities:			 		
Raw material purchase obligations	\$ 393	\$ 218	\$ 173	\$ 2	\$
Other purchase obligations	13	11	2		
Operating leases	134	38	47	22	27
Interest related to total debt	1,637	225	455	275	682
Estimated minimum required pension funding	134	44	50	40	_
Other postretirement benefit payments	111	12	24	22	53
Layoff and other restructuring payments	19	19		_	_
Uncertain tax positions	2				2
Financing activities:					
Total debt	4,255	5	1,150	600	2,500
Investing activities:					
Capital projects	135	106	29	_	
Totals	\$ 6,833	\$ 678	\$ 1,930	\$ 961	\$ 3,264

Obligations for Operating Activities

Raw material purchase obligations consist mostly of aluminum, cobalt, nickel, and various other metals with expiration dates ranging from less than one year to five years. Many of these purchase obligations contain variable pricing components, and, as a result, actual cash payments may differ from the estimates provided in the preceding table. The Company generally passes through metal costs in customer contracts with limited exceptions. As a result, the Company expects higher metal costs to contribute to increased sales in 2022. In connection with the Arconic Inc. Separation Transaction, the Company entered into several agreements with Arconic Corporation that govern the relationship between the Company and Arconic Corporation following the separation, including raw material supply agreements.

Operating leases represent multi-year obligations for certain land and buildings, plant equipment, vehicles, and computer equipment.

Interest related to total debt is based on interest rates in effect as of December 31, 2021 and is calculated on debt with maturities that extend to 2042.

Estimated minimum required pension funding and other postretirement benefit payments are based on actuarial estimates using current assumptions for discount rates, long-term rate of return on plan assets, and health care cost trend rates, among others. It is Howmet's policy to fund amounts for pension plans sufficient to meet the minimum requirements set forth in the benefits laws and tax laws of the applicable country. Periodically, Howmet contributes additional amounts as deemed appropriate. Howmet has determined that it is not practicable to present pension funding and other postretirement benefit payments beyond 2026 and 2031, respectively.

Layoff and other restructuring payments to be paid within one year primarily relate to severance costs.

Uncertain tax positions taken or expected to be taken on an income tax return may result in additional payments to tax authorities. The amount in the preceding table includes interest and penalties accrued related to such positions as of December 31, 2021. The total amount of uncertain tax positions is included in the "Thereafter" column as the Company is not



able to reasonably estimate the timing of potential future payments. If a tax authority agrees with the tax position taken or expected to be taken or the applicable statute of limitations expires, then additional payments will not be necessary.

Obligations for Financing Activities

Howmet has historically paid quarterly dividends on its preferred and common stock. The Company paid an aggregate of \$19 in common stock and preferred stock dividends to shareholders during 2021. Because all dividends are subject to approval by Howmet's Board of Directors, amounts are not included in the preceding table unless such authorization has occurred. As of December 31, 2021, there were 421,691,912 shares of outstanding common stock and 546,024 shares of outstanding Class A preferred stock. In 2021, the preferred stock dividend was \$3.75 per share. A dividend of \$0.04 per share on the Company's common stock was paid in 2021 (\$0.02 per share in each of the third and fourth quarters of 2021). Fully diluted shares outstanding as of December 31, 2021 were 427,526,370.

Obligations for Investing Activities

Capital projects in the preceding table only include amounts approved by management as of December 31, 2021. Funding levels may vary in future years based on anticipated construction schedules of the projects. It is expected that significant expansion projects will be funded through various sources, including cash provided from operations. Total capital expenditures are anticipated to be approximately 4% of sales in 2022.

Off-Balance Sheet Arrangements

At December 31, 2021, the Company had outstanding bank guarantees related to tax matters, outstanding debt, workers' compensation, environmental obligations, energy contracts, and customs duties, among others. The total amount committed under these guarantees, which expire at various dates between 2022 and 2040, was \$15 at December 31, 2021.

Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, between Howmet and Alcoa Corporation, Howmet was required to provide certain guarantees for Alcoa Corporation, which had a combined fair value of \$6 and \$12 at December 31, 2021 and 2020, respectively, and were included in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet. The remaining guarantee, for which the Company and Arconic Corporation are secondarily liable in the event of a payment default by Alcoa Corporation, relates to a long-term energy supply agreement that expires in 2047 at an Alcoa Corporation facility. The Company currently views the risk of an Alcoa Corporation payment default on its obligations under the contract to be remote. The Company and Arconic Corporation are required to provide a guarantee up to an estimated present value amount of approximately \$1,406 and \$1,398 at December 31, 2021 and 2020, respectively, in the event of an Alcoa Corporation payment default. In December 2021 and 2020, a surety bond with a limit of \$80 relating to this guarantee was obtained by Alcoa Corporation to protect Howmet's obligation. This surety bond is expected to be renewed on an annual basis by Alcoa Corporation.

Howmet has outstanding letters of credit primarily related to workers' compensation, environmental obligations, and leasing obligations. The total amount committed under these letters of credit, which automatically renew or expire at various dates, mostly in 2022, was \$119 at December 31, 2021.

Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to retain letters of credit of \$53 (which are included in the \$119 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workers' compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation and letter of credit fees paid by the Company are proportionally billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Also, the Company was required to provide letters of credit for certain Arconic Corporation environmental obligations and, as a result, the Company has \$17 of outstanding letters of credit relating to such liabilities (which are included in the \$119 in the above paragraph). Less than \$1 of these outstanding letters of credit are pending cancellation and will be deemed cancelled once returned by the beneficiary. Arconic Corporation has issued surety bonds to cover these environmental obligations. Arconic Corporation is being billed for these letter of credit fees paid by the Company and will reimburse the Company for any payments made under these letters of credit.

Howmet has outstanding surety bonds primarily related to tax matters, contract performance, workers' compensation, environmental-related matters, and customs duties. The total amount committed under these annual surety bonds, which expire and automatically renew at various dates, primarily in 2022 and 2023, was \$47 at December 31, 2021.

Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to provide surety bonds of \$25 (which are included in the \$47 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation and Alcoa Corporation workers' compensation claims paid that occurred prior to the respective separation transactions of April 1, 2020 and

November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation claims and surety bond fees paid by the Company are proportionally billed to, and are reimbursed by Arconic Corporation and Alcoa Corporation.

Critical Accounting Policies and Estimates

The preparation of the Consolidated Financial Statements in accordance with accounting principles generally accepted in the United States of America requires management to make certain judgments, estimates, and assumptions regarding uncertainties that affect the amounts reported in the Consolidated Financial Statements and disclosed in the accompanying Notes. These estimates are based on historical experience and, in some cases, assumptions based on current and future market experience, including considerations relating to the impact of COVID-19. The impact of COVID-19 is rapidly changing and of unknown duration and macroeconomic impact and as a result, these considerations remain highly uncertain. Areas that require significant judgments, estimates, and assumptions include the testing of goodwill, other intangible assets, and properties, plants, and equipment for impairment; estimating fair value of businesses acquired or divested; pension plans and other postretirement benefits obligations; stock-based compensation; and income taxes.

Management uses historical experience and all available information to make these judgments, estimates, and assumptions, and actual results may differ from those used to prepare the Company's Consolidated Financial Statements at any given time. Despite these inherent limitations, management believes that Management's Discussion and Analysis of Financial Condition and Results of Operations and the Consolidated Financial Statements and accompanying Notes provide a meaningful and fair perspective of the Company.

A summary of the Company's significant accounting policies is included in <u>Note A</u> to the Consolidated Financial Statements of this Form 10-K. Management believes that the application of these policies on a consistent basis enables the Company to provide the users of the Consolidated Financial Statements with useful and reliable information about the Company's operating results and financial condition.

Goodwill. Howmet reviews goodwill for impairment annually (in the fourth quarter) or more frequently if indicators of impairment exist or if a decision is made to sell or realign a business. The Company has the option to assess impairment through qualitative assessment, which includes factors such as general economic conditions, negative developments in equity and credit markets, adverse changes in the markets in which an entity operates, increases in input costs that have a negative effect on earnings and cash flows, or a trend of negative or declining cash flows over multiple periods, among others. Howmet can also assess goodwill impairment through a quantitative analysis, using a discounted cash flow ("DCF") model to estimate a reporting unit's fair value. Assumptions and estimates utilized in the DCF model include weighted average cost of capital ("WACC") rates, revenue, future profitability, working capital, cash flows and a number of other items. For more information on these matters, see <u>Note A</u> to the Consolidated Financial Statements of this Form 10-K.

Properties, Plants, and Equipment and Other Intangible Assets. Properties, plants, and equipment and Other intangible assets are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of such assets (asset group) may not be recoverable. Recoverability of assets is determined by comparing the estimated undiscounted net cash flows of the operations related to the assets (asset group) to their carrying amount. An impairment loss would be recognized when the carrying amount of the assets (asset group) exceeds the estimated undiscounted net cash flows. The amount of the impairment loss to be recorded is measured as the excess of the carrying value of the assets (asset group) over their fair value, with fair value determined using the best information available, which generally is a DCF model. The determination of what constitutes an asset group, the associated estimated undiscounted net cash flows, and the estimated useful lives of the assets also require significant judgments.

During the second quarter of 2019, the Company updated its five-year strategic plan and determined that there was a decline in the forecasted financial performance for the Disks asset group within the Engine Products and Forgings segment at that time. As such, the Company evaluated the recoverability of the Disks asset group long-lived assets by comparing the carrying value to the undiscounted cash flows of the Disks asset group. The carrying value exceeded the undiscounted cash flows and therefore the Disks asset group long-lived assets were deemed to be impaired. The impairment charge was measured as the amount of carrying value in excess of fair value of the long-lived assets, with fair value determined using a DCF model and a combination of sales comparison and cost approach valuation methods, including an estimate for economic obsolescence. The impairment charge of \$428, of which \$247 and \$181 related to the Engine Products and Engineered Structures segments, respectively, which was recorded in the second quarter of 2019, impacted properties, plants, and equipment; intangible assets; and certain other noncurrent assets by \$198, \$197, and \$33, respectively. The impairment charge was recorded in Restructuring and other charges in the Statement of Consolidated Operations.

Discontinued Operations and Assets Held for Sale. The fair values of all businesses to be divested are estimated using accepted valuation techniques such as a DCF model, valuations performed by third parties, earnings multiples, or indicative bids, when available. A number of significant estimates and assumptions are involved in the application of these techniques, including the forecasting of markets and market share, sales volumes and prices, costs and expenses, and multiple other factors. Management considers historical experience and all available information at the time the estimates are made; however, the fair



value that is ultimately realized upon the divestiture of a business may differ from the estimated fair value reflected in the Consolidated Financial Statements.

Pension and Other Postretirement Benefits. Liabilities and expenses for pension and other postretirement benefits are determined using actuarial methodologies and incorporate significant assumptions, including the interest rate used to discount the future estimated liability, the expected long-term rate of return on plan assets, and several assumptions relating to the employee workforce (health care cost trend rates, retirement age, and mortality). The pension and other postretirement benefits obligation was \$2,461 and \$2,928, with a funded status of \$(930) and \$(1,204) at December 31, 2021 and 2020, respectively. The total benefit obligation reduction of \$467 was primarily driven by the purchases of annuity contracts and changes in discount rate. The improvement in the funded status of \$274 was primarily driven by the purchase of annuity contracts, changes in discount rates, and actual asset returns in excess of expected asset returns. Excluding settlements and curtailments, net periodic benefit cost of pension and other postretirement benefits is expected to be approximately \$20 in 2022 compared to \$16 and \$35 in 2021 and 2020, respectively. Net periodic benefit costs decreased by \$19, or 54%, in 2021 compared to 2020 as a result of actual asset returns in excess of expected asset returns, and changes in plan administration of prescription drug benefits.

Employer contributions for pension benefits were \$96 and \$227 for the year ended December 31, 2021 and 2020, respectively. Benefits paid for other postretirement benefits were \$17 for both years ended December 31, 2021 and 2020. Total pension contributions and other postretirement benefits paid decreased by \$131, or 54%, in 2021 compared to 2020 primarily driven by the Arconic Inc. Separation Transaction. Cash contributions in 2022 are expected to be \$44 and represent estimated minimum required pension funding. Howmet's funded status under ERISA was approximately 76% as of January 1, 2021.

The interest rate used to discount future estimated liabilities for the U.S. is determined using a Company-specific yield curve model (above-median) developed with the assistance of an external actuary, while both the U.K. and Canada utilize models developed by the respective actuary. The cash flows of the plans' projected benefit obligations are discounted using a single equivalent rate derived from yields on high quality corporate bonds, which represent a broad diversification of issuers in various sectors, including finance and banking, industrials, transportation, and utilities, among others. The yield curve models parallel the plans' projected cash flows, which have a global average duration of 11 years. The underlying cash flows of the bonds included in the models exceed the cash flows needed to satisfy the Company's plans' obligations multiple times. In 2021, 2020, and 2019, the discount rate used to determine benefit obligations for pension and other postretirement benefit plans was 2.70%, 2.40%, and 3.00%, respectively. The impact on the liabilities of a change in the discount rate of 1/4 of 1% would be approximately \$70 and either a charge or credit of less than \$1 to earnings in the following year.

The expected long-term rate of return on plan assets is generally applied to a five-year market-related value of plan assets (a fair value at the plan measurement date is used for certain non-U.S. plans). The process used by management to develop this assumption is one that relies on a combination of historical asset return information and forward-looking returns by asset class. As it relates to historical asset return information, management focuses on various historical moving averages when developing this assumption. While consideration is given to recent performance and historical returns, the assumption represents a long-term, prospective return. Management also incorporates expected future returns on current and planned asset allocations using information from various external investment managers and consultants, as well as management's own judgment.

For 2021, 2020, and 2019, management used 6.20%, 6.00%, and 5.60%, respectively, as its expected long-term rate of return on plan assets, which was based on the prevailing and planned strategic asset allocations, as well as estimates of future returns by asset class. These rates were within the respective range of the 20-year moving average of actual performance and the expected future return developed by asset class. In the current year, the actual rate of return on plan assets was 7.2%. The increase in expected long-term rate of return of plan assets compared to prior years is due to an increased portion of plan assets within U.S. plans and corresponding asset allocations. For 2022, management anticipates that the expected long-term rate of return for the plan assets will be approximately 6.00%. A change in the assumption for the expected long-term rate of return on plan assets of 1/4 of 1% would impact earnings by approximately \$3 for 2022.

In 2021, net income of \$181 (after-tax) was recorded in other comprehensive loss, primarily due to the increase in the discount rate, plan asset performance that was greater than expected, and amortization of actuarial losses. In 2020, a net loss of \$46 (after-tax) was recorded in other comprehensive loss, primarily due to the decrease in the discount rate, partially offset by plan asset performance that was greater than expected, and by amortization of actuarial losses. After adjusting for the impact of Arconic Corporation's obligation, the net pension and other postretirement benefit obligation decreased less than 2% during 2020. In 2019, a net loss of \$388 (after-tax) was recorded in other comprehensive loss, primarily due to the decrease in the discount rate, which was partially offset by plan asset performance that was greater than expected, and by the amortization of actuarial losses.

Stock-Based Compensation. Howmet recognizes compensation expense for employee equity grants using the non-substantive vesting period approach, in which the expense is recognized ratably over the requisite service period based on the grant date fair value. Forfeitures are accounted for as they occur. The fair value of new stock options is estimated on the date of grant using a lattice-pricing model. The fair value of performance awards containing a market condition is valued using a Monte Carlo valuation model. Determining the fair value at the grant date requires judgment, including estimates for the average risk-free interest rate, dividend yield, volatility, and exercise behavior. These assumptions may differ significantly between grant dates because of changes in the actual results of these inputs that occur over time.

Compensation expense recorded in 2021, 2020, and 2019 was \$40 (\$36 after-tax), \$46 (\$42 after-tax), and \$69 (\$63 after-tax), respectively.

Income Taxes. The provision (benefit) for income taxes is determined using the asset and liability approach of accounting for income taxes. Under this approach, the provision (benefit) for income taxes represents income taxes paid or payable (or received or receivable) based on current year pre-tax income plus the change in deferred taxes during the year. Deferred taxes represent the future tax consequences expected to occur when the reported amounts of assets and liabilities are recovered or paid, and result from differences between the financial and tax bases of Howmet's assets and liabilities and are adjusted for changes in tax rates and tax laws when enacted.

Valuation allowances are recorded to reduce deferred tax assets when it is more likely than not that a tax benefit will not be realized. In evaluating the need for a valuation allowance, management considers all potential sources of taxable income, including income available in carry-back periods, future reversals of taxable temporary differences, projections of taxable income, and income from tax planning strategies, as well as all available positive and negative evidence. Positive evidence includes factors such as a history of profitable operations, projections of future profitability within the carryforward period, including from tax planning strategies, and Howmet's experience with similar operations. Existing favorable contracts and the ability to sell products into established markets are additional positive evidence. Negative evidence includes items such as cumulative losses, projections of future losses, or carryforward periods that are not long enough to allow for the utilization of a deferred tax asset based on existing projections of income. Deferred tax assets for which no valuation allowance is recorded may not be realized upon changes in facts and circumstances, resulting in a future charge to establish a valuation allowance. Existing valuation allowances are re-examined under the same standards of positive and negative evidence. If it is determined that it is more likely than not that a deferred tax asset will be realized, the appropriate amount of the valuation allowance, if any, is released. Deferred tax assets and liabilities are also re-measured to reflect changes in underlying tax rates due to law changes and the granting and lapse of tax holidays.

It is Howmet's policy to apply a tax law ordering approach when considering the need for a valuation allowance on net operating losses expected to offset GILTI inclusions. Under this approach, reductions in cash tax savings are not considered as part of the valuation allowance assessment. Instead, future GILTI inclusions are considered a source of taxable income that support the realizability of deferred tax assets.

It is Howmet's policy to treat taxes due from future inclusions in U.S. taxable income related to GILTI as a current period expense when incurred.

Tax benefits related to uncertain tax positions taken or expected to be taken on a tax return are recorded when such benefits meet a more likely than not threshold. Otherwise, these tax benefits are recorded when a tax position has been effectively settled, which means that the statute of limitations has expired or the appropriate taxing authority has completed their examination even though the statute of limitations remains open. Interest and penalties related to uncertain tax positions are recognized as part of the provision for income taxes and are accrued beginning in the period that such interest and penalties would be applicable under relevant tax law until such time that the related tax benefits are recognized.

Litigation and Contingent Liabilities. From time to time, we are involved in various lawsuits, claims, investigations, and proceedings. These matters may include speculative claims for substantial or indeterminate amounts of damages. Management determines the likelihood of an unfavorable outcome based on many factors, such as the nature of the matter, available defenses and case strategy, progress of the matter, views and opinions of legal counsel and other advisors, applicability and success of appeals processes, and the outcome of similar historical matters, among others. If an unfavorable outcome is deemed probable and the amount of the potential loss can be estimated, the most reasonable loss estimate is recorded. If an unfavorable outcome of a matter is deemed probable but the loss is not reasonably estimable, or if an unfavorable outcome is deemed reasonably possible, then the matter is disclosed but no liability is recorded. Legal matters are reviewed on a continuous basis to determine if there has been a change in management's judgment regarding the likelihood of an unfavorable outcome or the estimate of a potential loss.

Recently Adopted Accounting Guidance.

See the Recently Adopted Accounting Guidance section of <u>Note B</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.



Recently Issued Accounting Guidance.

See the Recently Issued Accounting Guidance section of <u>Note B</u> to the Consolidated Financial Statements in <u>Part II, Item 8</u> (Financial Statements and Supplementary Data) of this Form 10-K.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk.

Not material.

Item 8. Financial Statements and Supplementary Data.

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Management's Reports to Howmet Shareholders

Management's Report on Financial Statements and Practices

The accompanying Consolidated Financial Statements of Howmet Aerospace Inc. and its subsidiaries (the "Company") were prepared by management, which is responsible for their integrity and objectivity. The statements were prepared in accordance with accounting principles generally accepted in the United States of America and include amounts that are based on management's best judgments and estimates. The other financial information included in the annual report is consistent with that in the financial statements.

Management also recognizes its responsibility for conducting the Company's affairs according to the highest standards of personal and corporate conduct. This responsibility is characterized and reflected in key policy statements issued from time to time regarding, among other things, conduct of its business activities within the laws of the host countries in which the Company operates and potentially conflicting outside business interests of its employees. The Company maintains a systematic program to assess compliance with these policies.

Management's Report on Internal Control over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting for the Company. In order to evaluate the effectiveness of internal control over financial reporting, as required by Section 404 of the Sarbanes-Oxley Act, management has conducted an assessment, including testing, using the criteria in *Internal Control—Integrated Framework* (2013), issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). The Company's system of internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. The Company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the Company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with accounting principles generally accepted in the United States of America, and that receipts and expenditures of the Company are being made only in accordance with authorizations of management and directors of the Company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the Company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Based on the assessment, management has concluded that the Company maintained effective internal control over financial reporting as of December 31, 2021, based on criteria in *Internal Control—Integrated Framework* (2013) issued by the COSO.

The effectiveness of the Company's internal control over financial reporting as of December 31, 2021 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report, which is included herein.

/s/ John C. Plant

John C. Plant Executive Chairman and Chief Executive Officer

/s/ Ken Giacobbe Ken Giacobbe Executive Vice President and Chief Financial Officer

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders of Howmet Aerospace Inc.

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Howmet Aerospace Inc. and its subsidiaries (the "Company") as of December 31, 2021 and 2020, and the related consolidated statements of operations, of comprehensive income, of changes in equity and of cash flows for each of the three years in the period ended December 31, 2021, including the related notes (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of December 31, 2021, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2021 and 2020, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2021 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2021, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Change in Accounting Principle

As discussed in Note B to the consolidated financial statements, the Company changed the manner in which it accounts for leases in 2019.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control over Financial Reporting. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.



Critical Audit Matters

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Goodwill Impairment Assessment - Engineered Structures Reporting Unit

As described in Notes A and P to the consolidated financial statements, the Company's consolidated goodwill balance was \$4,067 million as of December 31, 2021, and the amount of the goodwill associated with the Engineered Structures reporting unit was \$304 million. Goodwill is reviewed for impairment annually (in the fourth quarter) or more frequently if indicators of impairment exist. Under the quantitative impairment test, the evaluation of impairment involves comparing the current fair value of each reporting unit to its carrying value, including goodwill. Fair value is estimated by management using a discounted cash flow model. The determination of fair value using this technique requires management to use significant estimates and assumptions related to forecasting operating cash flows, including sales growth, production costs, capital spending, and discount rate.

The principal considerations for our determination that performing procedures relating to the goodwill impairment assessment of the Engineered Structures reporting unit is a critical audit matter are the significant judgment by management when determining the fair value of the reporting unit. This in turn led to a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating management's significant assumptions related to sales growth, production costs, and discount rate. In addition, the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's goodwill impairment assessment, including controls over the valuation of the Company's Engineered Structures reporting unit. These procedures also included, among others (i) testing management's process for determining the fair value of the reporting unit; (ii) evaluating the appropriateness of the discounted cash flow model; (iii) testing the completeness and accuracy of underlying data used in the model; and (iv) evaluating the reasonableness of the significant assumptions used by management related to sales growth, production costs, and discount rate. Evaluating management's significant assumptions related to sales growth and production costs involved evaluating whether the significant assumptions used by management were reasonable by considering (i) the current and past performance of the reporting unit; (ii) the consistency with relevant industry data; and (iii) considering whether the assumptions were consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in the evaluation of the discounted cash flow model and the evaluation of the reasonableness of the discount rate significant assumption.

/s/ PricewaterhouseCoopers LLP Pittsburgh, Pennsylvania February 14, 2022

We have served as the Company's auditor since 1950.



Howmet Aerospace Inc. and subsidiaries Statement of Consolidated Operations (in millions, except per-share amounts)

For the year ended December 31,	2021	2020	2019
Sales (D)	\$ 4,972	\$ 5,259	\$ 7,098
Cost of goods sold (exclusive of expenses below)	3,596	3,878	5,214
Selling, general administrative, and other expenses	251	277	400
Research and development expenses	17	17	28
Provision for depreciation and amortization	270	279	295
Restructuring and other charges ($\underline{\mathbf{E}}$)	90	182	582
Operating income	 748	 626	579
Loss on debt redemption $(\underline{\mathbf{R}})$	146	64	
Interest expense, net $(\underline{\mathbf{F}})$	259	317	338
Other expense, net (<u>G</u>)	19	74	31
Income before income taxes	 324	 171	 210
Provision (benefit) for income taxes ([)	66	(40)	84
Income from continuing operations after income taxes	\$ 258	\$ 211	\$ 126
Income from discontinued operations after income taxes (\underline{C})	_	50	344
Net income	\$ 258	\$ 261	\$ 470
Amounts Attributable to Howmet Aerospace Inc. Common Shareholders (K):			
Net income	\$ 256	\$ 259	\$ 477
Earnings per share - basic			
Continuing operations	\$ 0.60	\$ 0.48	\$ 0.28
Discontinued operations	\$ —	\$ 0.11	\$ 0.77
Earnings per share - diluted			
Continuing operations	\$ 0.59	\$ 0.48	\$ 0.27
Discontinued operations	\$ —	\$ 0.11	\$ 0.76
Average Shares Outstanding (<u>J</u>):			
Average shares outstanding - basic	430	435	446
Average shares outstanding - diluted	435	439	463

The accompanying notes are an integral part of the consolidated financial statements.

Howmet Aerospace Inc. and subsidiaries Statement of Consolidated Comprehensive Income (in millions)

For the year ended December 31,	 2021	 2020	2019
Net income	\$ 258	\$ 261	\$ 470
Other comprehensive income (loss), net of tax (<u>L</u>):			
Change in unrecognized net actuarial loss and prior service cost (benefit) related to pension and other postretirement benefits	181	(46)	(388)
Foreign currency translation adjustments	(96)	58	(13)
Net change in unrealized gains on debt securities	_		3
Net change in unrecognized (losses) gains on cash flow hedges	(5)	4	(3)
Total Other comprehensive income (loss), net of tax	 80	16	(401)
Comprehensive income	\$ 338	\$ 277	\$ 69

The accompanying notes are an integral part of the consolidated financial statements.

Howmet Aerospace Inc. and subsidiaries Consolidated Balance Sheet (in millions)

December 31,		2021		2020
Assets				
Current assets:				
Cash and cash equivalents	\$	720	\$	1,610
Receivables from customers, less allowances of $-$ in 2021 and $1 ext{ in 2020 } (\underline{M})$		367		328
Other receivables (<u>M</u>)		53		29
Inventories (<u>N</u>)		1,402		1,488
Prepaid expenses and other current assets		195		217
Total current assets		2,737		3,672
Properties, plants, and equipment, net (<u>O</u>)		2,467		2,592
Goodwill (<u>A</u> and <u>P</u>)		4,067		4,102
Deferred income taxes (I)		184		272
Intangibles, net (<u>P</u>)		549		571
Other noncurrent assets (<u>A</u> and <u>Q</u>)		215		234
Total assets	\$	10,219	\$	11,443
Liabilities				
Current liabilities:				
Accounts payable, trade	\$	732	\$	599
Accrued compensation and retirement costs		198		205
Taxes, including income taxes		61		102
Accrued interest payable		74		89
Other current liabilities (<u>A</u> and <u>Q</u>)		183		289
Short-term debt ($\underline{\mathbf{R}}$ and $\underline{\mathbf{S}}$)		5		376
Total current liabilities		1,253	-	1,660
Long-term debt, less amount due within one year (<u>R</u> and <u>S</u>)		4,227		4,699
Accrued pension benefits (<u>H</u>)		771		985
Accrued other postretirement benefits (<u>H</u>)		153		198
Other noncurrent liabilities and deferred credits (\underline{A} and \underline{Q})		307		324
Total liabilities		6,711		7,866
Contingencies and commitments (\underline{V})		-		
Equity				
Howmet Aerospace Inc. shareholders' equity:				
Preferred stock (J)		55		55
Common stock (J)		422		433
Additional capital (J)		4,291		4,668
Retained earnings (A)		603		364
Accumulated other comprehensive loss (\underline{A} and \underline{L})		(1,863)		(1,943)
Total Howmet Aerospace Inc. shareholders' equity		3,508		3,577
Noncontrolling interests		_		
Total equity		3,508		3,577
Total liabilities and equity	\$	10,219	\$	11,443
	+	10,210	÷	11,110

The accompanying notes are an integral part of the consolidated financial statements.

Howmet Aerospace Inc. and subsidiaries Statement of Consolidated Cash Flows (in millions)

(in millions)			
For the year ended December 31,	2021	2020	2019
Operating activities			
Net income	\$ 258	\$ 261	\$ 470
Adjustments to reconcile net income to cash provided from operations:			
Depreciation and amortization	270	338	536
Deferred income taxes	38	2	(19)
Restructuring and other charges	90	164	620
Net loss from investing activities—asset sales	9	8	7
Net periodic pension benefit cost (<u>H</u>)	18	51	115
Stock-based compensation	41	45	60
Loss on debt redemption ($\underline{\mathbf{R}}$)	146	64	_
Other	20	(5)	13
Changes in assets and liabilities, excluding effects of acquisitions, divestitures, and foreign currency translation adjustments:			
Increase in receivables	(337)	(238)	(977)
Decrease (increase) in inventories	60	74	(3)
Decrease (increase) in prepaid expenses and other current assets	11	(2)	4
Increase (decrease) in accounts payable, trade	144	(381)	(1)
Decrease in accrued expenses	(146)	(217)	(42)
(Decrease) increase in taxes, including income taxes	(41)	98	(2)
Pension contributions	(96)	(257)	(268)
(Increase) decrease in noncurrent assets	(13)	39	(7)
Decrease in noncurrent liabilities	(23)	(35)	(45)
Cash provided from operations	449	9	461
Financing Activities			
Net change in short-term borrowings (original maturities of three months or less)	(9)	(15)	2
Additions to debt (original maturities greater than three months) ($\underline{\mathbf{R}}$)	700	2,400	400
Payments on debt (original maturities greater than three months) (<u>R</u>)	(1,538)	(2,043)	(806)
Debt issuance costs (\underline{C} and \underline{R})	(11)	(61)	—
Premiums paid on early redemption of debt (<u>R</u>)	(138)	(59)	—
Proceeds from exercise of employee stock options	22	33	56
Dividends paid to shareholders (J)	(19)	(11)	(57)
Repurchase of common stock (<u>J</u>)	(430)	(73)	(1,150)
Net cash transferred to Arconic Corporation at separation	—	(500)	—
Other	(21)	(40)	(13)
Cash used for financing activities	(1,444)	(369)	(1,568)
Investing Activities			
Capital expenditures (\underline{D} and \underline{T})	(199)	(267)	(641)
Proceeds from the sale of assets and businesses (\underline{U})	32	114	103
Sales of investments	6	—	73
Cash receipts from sold receivables (<u>M</u>)	267	422	995
Other	1	2	(2)
Cash provided from investing activities	107	271	528
Effect of exchange rates on cash, cash equivalents and restricted cash	(1)	(3)	
Net change in cash, cash equivalents and restricted cash	(889)	(92)	(579)
Cash, cash equivalents and restricted cash at beginning of year	1,611	1,703	2,282
Cash, cash equivalents and restricted cash at end of year	\$ 722	\$ 1,611	\$ 1,703
Cash, cash equivalents and restricted cash at the or year	ψ 122	φ 1,011	φ 1,705

The accompanying notes are an integral part of the consolidated financial statements.

Howmet Aerospace Inc. and subsidiaries Statement of Changes in Consolidated Equity (in millions, except per-share amounts) Howmet Shareholders

			Ho	wmet Shareh	olders			
	1	Preferred stock	Common stock	Additional capital	Retained earnings (Accumulated deficit)	Accumulated other comprehensive loss	Noncontrolling interests	Total equity
Balance at December 31, 2018	\$	55 \$	483 \$	8,319	\$ (374) \$	5 (2,926) \$	5 12 \$	5,569
Adoption of accounting standard (<u>B</u>)		—			75	(2)	—	73
Net income		—			470	—	—	470
Other comprehensive loss (\underline{L})		—			_	(401)	_	(401)
Cash dividends declared:								
Preferred–Class A @ \$3.75 per share		—			(2)	—	_	(2)
Common @ \$0.12 per share		—	—	—	(56)	—	—	(56)
Repurchase and retirement of common stock (\underline{J})		—	(55)	(1,095)	—	—	—	(1,150)
Stock-based compensation (\underline{J})		—		57	—	—	—	57
Common stock issued: compensation plans (J)		—	5	36	_	—	_	41
Other		—		2	—	—	2	4
Balance at December 31, 2019	\$	55 \$	433 \$	7,319	\$ 113 \$	5 (3,329) \$	5 14 \$	4,605
Net income			_		261	_	_	261
Other comprehensive income (\underline{L})		—			_	16	_	16
Cash dividends declared:								
Preferred–Class A @ \$3.75 per share		—			(2)	—	_	(2)
Common @ \$0.02 per share		—	—	—	(8)	—	—	(8)
Repurchase and retirement of common stock (\underline{J})		—	(3)	(70)	—	—	—	(73)
Stock-based compensation (\underline{J})		—		45	—	—	—	45
Common stock issued: compensation plans (J)		—	3	(9)	_	—	_	(6)
Distributions to Arconic Corporation (C)				(2,617)		1,370	(14)	(1,261)
Balance at December 31, 2020	\$	55 \$	433 \$	4,668	\$ 364 \$	5 (1,943) \$	5 — \$	3,577
Net income		—			258	—	—	258
Other comprehensive income (\underline{L})		—			_	80	_	80
Cash dividends declared:								
Preferred–Class A @ \$3.75 per share		—			(2)	—	—	(2)
Common @ \$0.04 per share		—		—	(17)	—	—	(17)
Repurchase and retirement of common stock (\underline{J})		—	(13)	(417)	_	—	_	(430)
Stock-based compensation (<u>J</u>)		—		40	_	—	_	40
Common stock issued: compensation plans (<u>J</u>)		_	2					2
Balance at December 31, 2021	\$	55 \$	422 \$	4,291	\$ 603 \$	5 (1,863) \$	5 — \$	3,508

The accompanying notes are an integral part of the consolidated financial statements.

Howmet Aerospace Inc. and subsidiaries Notes to the Consolidated Financial Statements (dollars in millions, except share and per-share amounts)

A. Summary of Significant Accounting Policies

Basis of Presentation. The Consolidated Financial Statements of Howmet Aerospace Inc. (formerly known as Arconic Inc.) and subsidiaries ("Howmet" or the "Company" or "we") are prepared in conformity with accounting principles generally accepted in the United States of America ("GAAP") and require management to make certain judgments, estimates, and assumptions. These estimates are based on historical experience and, in some cases, assumptions based on current and future market experience, including considerations relating to the impact of the global COVID-19 pandemic. The impact of COVID-19 is rapidly changing and of unknown duration and macroeconomic impact and as a result, these considerations remain highly uncertain. We have made our best estimates using all relevant information available at the time, but it is possible that our estimates will differ from our actual results and affect the Consolidated Financial Statements in future periods and potentially require adverse adjustments to the recoverability of goodwill, intangible and long-lived assets, the realizability of deferred tax assets, and other judgments and estimations and assumptions. These may affect the reported amounts of assets and liabilities at the date of the financial statements. They also may affect the reported amounts of sales and expenses during the reporting period. Actual results could differ from those estimates upon subsequent resolution of identified matters. Certain amounts in previously issued financial statements were reclassified to conform to the current period presentation.

The separation of Arconic Inc. into two standalone, publicly-traded companies, Howmet Aerospace Inc. and Arconic Corporation, (the "Arconic Inc. Separation Transaction") occurred on April 1, 2020. The Engineered Products and Forgings ("EP&F") segment remained in the existing company which was renamed Howmet Aerospace Inc. The Global Rolled Products ("GRP") segment was the Spin Co. and was named Arconic Corporation. In the second quarter of 2020, in conjunction with the Arconic Inc. Separation Transaction, the Company realigned its operations by separating the former EP&F segment into four new segments: Engine Products, Fastening Systems, Engineered Structures and Forged Wheels. See <u>Note D</u> for further details.

The financial results of Arconic Corporation for all periods prior to the Arconic Inc. Separation Transaction have been retrospectively reflected in the Statement of Consolidated Operations as discontinued operations and, as such, have been excluded from continuing operations and segment results for all periods presented. The cash flows, comprehensive income, and equity related to Arconic Corporation have not been segregated and are included in the Statement of Consolidated Cash Flows, Statement of Consolidated Comprehensive Income, and Statement of Changes in Consolidated Equity, respectively, for all periods prior to the Arconic Inc. Separation Transaction. See <u>Note C</u> for additional information related to the Arconic Inc. Separation Transaction and discontinued operations.

The Company derived approximately 60%, 69%, and 71% of its revenue from products sold to the aerospace market for the years ended December 31, 2021, 2020, and 2019. As a result of the global COVID-19 pandemic and its impact on the aerospace industry to date, the possibility exists that there could be a sustained impact to our operations and financial results. Since the start of the pandemic, certain original equipment manufacturer ("OEM") customers have reduced production or suspended manufacturing operations in North America and Europe on a temporary basis. While the pandemic resulted in the temporary closure of a small number of the Company's manufacturing facilities during 2020, all of our manufacturing facilities are currently operating. Since the duration of the pandemic is uncertain, management has taken a series of actions to address the financial impact, including fixed and variable cost reductions, such as headcount reductions in certain segments, and reducing the level of capital expenditures to preserve cash and maintain liquidity.

Principles of Consolidation. The Consolidated Financial Statements include the accounts of Howmet Aerospace Inc. and companies in which Howmet Aerospace Inc. has a controlling interest. Intercompany transactions have been eliminated. Investments in affiliates in which Howmet Aerospace Inc. cannot exercise significant influence that do not have readily determinable fair values are accounted for at cost less impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or a similar investment of the same issuer.

Management also evaluates whether a Howmet Aerospace Inc. entity or interest is a variable interest entity and whether Howmet Aerospace Inc. is the primary beneficiary. Consolidation is required if both of these criteria are met. Howmet Aerospace Inc. does not have any variable interest entities requiring consolidation.

Cash Equivalents. Cash equivalents are highly liquid investments purchased with an original maturity of three months or less.

Inventory Valuation. Inventories are carried at the lower of cost or net realizable value with the cost of inventories determined under a combination of the first-in, first-out ("FIFO"), last-in, first-out ("LIFO"), and average-cost methods. See <u>Note N</u> for further details.



Properties, Plants, and Equipment. Properties, plants, and equipment are recorded at cost. Depreciation is recorded principally on the straight-line method at rates based on the estimated useful lives of the assets.

The following table details the weighted-average useful lives of structures and machinery and equipment by reporting segment (numbers in years):

	Structures	Machinery and equipment
Engine Products	30	17
Fastening Systems	27	17
Engineered Structures	28	19
Forged Wheels	29	18

Gains or losses from the sale of asset groups or properties are generally recorded in Restructuring and other charges while the sale of individual assets are recorded in Other expense, net (see policy below for assets classified as held for sale and discontinued operations). Repairs and maintenance are charged to expense as incurred. Interest related to the construction of qualifying assets is capitalized as part of the construction costs.

Properties, plants, and equipment are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of such assets (asset group) may not be recoverable. Recoverability of assets is determined by comparing the estimated undiscounted net cash flows of the operations related to the assets (asset group) to their carrying amount. An impairment loss would be recognized when the carrying amount of the assets (asset group) exceeds the estimated undiscounted net cash flows. The amount of the impairment loss to be recorded is measured as the excess of the carrying value of the assets (asset group) over their fair value, with fair value determined using the best information available, which generally is a discounted cash flow ("DCF") model. The determination of what constitutes an asset group, the associated estimated undiscounted net cash flows, and the estimated useful lives of the assets also require significant judgments. See <u>Note O</u> for further details.

Goodwill. Goodwill is not amortized; instead, it is reviewed for impairment annually (in the fourth quarter) or more frequently if indicators of impairment exist or if a decision is made to sell or realign a business. A significant amount of judgment is involved in determining if an indicator of impairment has occurred. Such indicators may include deterioration in general economic conditions, negative developments in equity and credit markets, adverse changes in the markets in which an entity operates, increases in input costs that have a negative effect on earnings and cash flows, or a trend of negative or declining cash flows over multiple periods, among others. The fair value that could be realized in an actual transaction may differ from that used to evaluate the impairment of goodwill.

Goodwill is allocated among and evaluated for impairment at the reporting unit level, which is defined as an operating segment or one level below an operating segment. Howmet has four reporting units composed of the Engine Products, Fastening Systems, Engineered Structures, and Forged Wheels segments.

In reviewing goodwill for impairment, an entity has the option to first assess qualitative factors to determine whether the existence of events or circumstances leads to a determination that it is more likely than not (greater than 50%) that the estimated fair value of a reporting unit is less than its carrying amount. If an entity elects to perform a qualitative assessment and determines that an impairment is more likely than not, the entity is then required to perform the quantitative impairment test (described below), otherwise no further analysis is required. The qualitative evaluation is an assessment of factors, including reporting unit-specific operating results as well as industry, market, and general economic conditions. An entity also may elect not to perform the qualitative assessment and, instead, proceed directly to the quantitative impairment test. The ultimate outcome of the goodwill impairment review for a reporting unit should be the same whether an entity chooses to perform the qualitative assessment or proceeds directly to the quantitative impairment test.

Howmet determines annually, based on facts and circumstances, which of its reporting units will be subject to the qualitative assessment. Under the qualitative assessment, various events and circumstances (or factors) that would affect the estimated fair value of a reporting unit are identified (similar to impairment indicators above). Furthermore, management considers the results of the most recent quantitative impairment test completed for a reporting unit and compares the weighted average cost of capital ("WACC") between the current and prior years for each reporting unit. For those reporting units where a qualitative assessment is either not performed or for which the conclusion is that an impairment is more likely than not, a quantitative impairment test will be performed. Howmet's policy is that a quantitative impairment test be performed for each reporting unit at least once during every three-year period.

Other Intangible Assets. Intangible assets with indefinite useful lives are not amortized while intangible assets with finite useful lives are amortized generally on a straight-line basis over the periods benefited.

The following table details the weighted-average useful lives of software and other intangible assets by reporting segment (numbers in years):

	Software	Other intangible assets
Engine Products	9	34
Fastening Systems	6	23
Engineered Structures	4	10
Forged Wheels	4	24

Leases. The Company determines whether a contract contains a lease at inception. The Company leases land and buildings, plant equipment, vehicles, and computer equipment which have been classified as operating leases. Certain real estate leases include one or more options to renew; the exercise of lease renewal options is at the Company's discretion. The Company includes renewal option periods in the lease term when it is determined that the options are reasonably certain to be exercised. Certain of Howmet's real estate lease agreements include rental payments that either have fixed contractual increases over time or adjust periodically for inflation. Certain of the Company's lease agreements include variable lease payments. The variable portion of payments is not included in the initial measurement of the right-of-use asset or lease liability due to the uncertainty of the payment amount and is recorded as lease cost in the period incurred. The Company also rents or subleases certain real estate to third parties, which is not material to the consolidated financial statements.

Operating lease right-of-use assets and lease liabilities with an initial term greater than 12 months are recorded on the balance sheet at the present value of the future minimum lease payments over the lease term at the lease commencement date and are recognized as lease expense on a straight-line basis over the lease term. The Company uses an incremental collateralized borrowing rate based on the information available at the lease commencement date in determining the present value of future payments, as most of its leases do not provide an implicit rate. The operating lease right-of-use assets also include any lease prepayments made and are reduced by lease incentives and accrued exit costs.

Environmental Matters. Expenditures for current operations are expensed or capitalized, as appropriate. Expenditures relating to existing conditions caused by past operations, which will not contribute to future sales, are expensed. Liabilities are recorded when remediation costs are probable and can be reasonably estimated. The liability may include costs such as site investigations, consultant fees, feasibility studies, outside contractors, and monitoring expenses. Estimates are generally not discounted or reduced by potential claims for recovery. Claims for recovery are recognized when probable and as agreements are reached with third parties. The estimates also include costs related to other potentially responsible parties to the extent that Howmet has reason to believe such parties will not fully pay their proportionate share. The liability is continuously reviewed and adjusted to reflect current remediation progress, prospective estimates of required activity, and other factors that may be relevant, including changes in technology or regulations.

Litigation and Contingent Liabilities. From time to time, we are involved in various lawsuits, claims, investigations, and proceedings. These matters may include speculative claims for substantial or indeterminate amounts of damages. Management determines the likelihood of an unfavorable outcome based on many factors, such as the nature of the matter, available defenses and case strategy, progress of the matter, views and opinions of legal counsel and other advisors, applicability and success of appeals processes, and the outcome of similar historical matters, among others. If an unfavorable outcome is deemed probable and the amount of the potential loss can be estimated, the most reasonable loss estimate is recorded. If an unfavorable outcome of a matter is deemed probable but the loss is not reasonably estimable, or if an unfavorable outcome is deemed reasonably possible, then the matter is disclosed but no liability is recorded. Legal matters are reviewed on a continuous basis to determine if there has been a change in management's judgment regarding the likelihood of an unfavorable outcome or the estimate of a potential loss.

Revenue Recognition. The Company's contracts with customers are comprised of acknowledged purchase orders incorporating the Company's standard terms and conditions, or for larger customers, may also generally include terms under negotiated multi-year agreements. These contracts with customers typically consist of the manufacture of products which represent single performance obligations that are satisfied upon transfer of control of the product to the customer. The Company produces fastening systems; seamless rolled rings; investment castings, including airfoils; extruded, machined and formed aircraft parts; and forged aluminum commercial vehicle wheels. Transfer of control is assessed based on alternative use of the products we produce and our enforceable right to payment for performance to date under the contract terms. Transfer of control and revenue recognition generally occur upon shipment or delivery of the product, which is when title, ownership and risk of loss pass to the customer and is based on the applicable shipping terms. The shipping terms vary across all businesses and depend on the product, the country of origin, and the type of transportation (truck, train, or vessel). An invoice for payment is issued at time of



shipment. Our segments set commercial terms on which Howmet sells products to its customers. These terms are influenced by industry custom, market conditions, product line (specialty versus commodity products), and other considerations.

In certain circumstances, Howmet receives advanced payments from its customers for product to be delivered in future periods. These advanced payments are recorded as deferred revenue until the product is delivered and title and risk of loss have passed to the customer in accordance with the terms of the contract. Deferred revenue is included in Other current liabilities and Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet. Advanced payments were \$46 and \$85 at December 31, 2021 and 2020, respectively.

Income Taxes. The provision for income taxes is determined using the asset and liability approach of accounting for income taxes. Under this approach, the provision for income taxes represents income taxes paid or payable (or received or receivable) for the current year plus the change in deferred taxes during the year. Deferred taxes represent the future tax consequences expected to occur when the reported amounts of assets and liabilities are recovered or paid, and result from differences between the financial and tax bases of Howmet's assets and liabilities and are adjusted for changes in tax rates and tax laws when enacted.

Valuation allowances are recorded to reduce deferred tax assets when it is more likely than not (greater than 50%) that a tax benefit will not be realized. In evaluating the need for a valuation allowance, management considers all potential sources of taxable income, including income available in carryback periods, future reversals of taxable temporary differences, projections of taxable income, and income from tax planning strategies, as well as all available positive and negative evidence. Positive evidence includes factors such as a history of profitable operations, projections of future profitability within the carryforward period, including from tax planning strategies, and Howmet's experience with similar operations. Existing favorable contracts and the ability to sell products into established markets are additional positive evidence. Negative evidence includes items such as cumulative losses, projections of future losses, or carryforward periods that are not long enough to allow for the utilization of a deferred tax asset based on existing projections of income. Deferred tax assets for which no valuation allowance is recorded may not be realized upon changes in facts and circumstances, resulting in a future charge to establish a valuation allowance. Existing valuation allowances are re-examined under the same standards of positive and negative evidence. If it is determined that it is more likely than not that a deferred tax asset will be realized, the appropriate amount of the valuation allowance, if any, is released. Deferred tax assets and liabilities are also remeasured to reflect changes in underlying tax rates due to law changes and the granting and lapse of tax holidays.

It is Howmet's policy to apply a tax law ordering approach when considering the need for a valuation allowance on net operating losses expected to offset Global Intangible Low-Taxed Income ("GILTI") income inclusions. Under this approach, reductions in cash tax savings are not considered as part of the valuation allowance assessment. Instead, future GILTI inclusions are considered a source of taxable income that support the realizability of deferred tax assets.

It is Howmet's policy to treat taxes due from future inclusions in U.S. taxable income related to GILTI as a current period expense when incurred.

Tax benefits related to uncertain tax positions taken or expected to be taken on a tax return are recorded when such benefits meet a more likely than not threshold. Otherwise, these tax benefits are recorded when a tax position has been effectively settled, which means that the statute of limitations has expired or the appropriate taxing authority has completed their examination even though the statute of limitations remains open. Interest and penalties related to uncertain tax positions are recognized as part of the provision for income taxes and are accrued beginning in the period that such interest and penalties would be applicable under relevant tax law until such time that the related tax benefits are recognized.

Stock-Based Compensation. Howmet recognizes compensation expense for employee equity grants using the non-substantive vesting period approach, in which the expense is recognized ratably over the requisite service period based on the grant date fair value. Forfeitures are accounted for as they occur. The fair value of new stock options is estimated on the date of grant using a lattice-pricing model. The fair value of performance awards containing a market condition is valued using a Monte Carlo valuation model. Determining the fair value at the grant date requires judgment, including estimates for the average risk-free interest rate, dividend yield, volatility, and exercise behavior. These assumptions may differ significantly between grant dates because of changes in the actual results of these inputs that occur over time.

Foreign Currency. The local currency is the functional currency for Howmet's significant operations outside the United States ("U.S."), except for certain operations in Canada, the United Kingdom, and France, where the U.S. dollar is used as the functional currency. The determination of the functional currency for Howmet's operations is made based on the appropriate economic and management indicators.

Acquisitions. Howmet's business acquisitions are accounted for using the acquisition method. The purchase price is allocated to the assets acquired and liabilities assumed based on their estimated fair values. Any excess purchase price over the fair value of the net assets acquired is recorded as goodwill. For all acquisitions, operating results are included in the Statement of Consolidated Operations from the date of the acquisition.



Discontinued Operations and Assets Held for Sale. For those businesses where management has committed to a plan to divest, each business is valued at the lower of its carrying amount or estimated fair value less cost to sell. If the carrying amount of the business exceeds its estimated fair value, an impairment loss is recognized. Fair value is estimated using accepted valuation techniques such as a DCF model, valuations performed by third parties, earnings multiples, or indicative bids, when available. A number of significant estimates and assumptions are involved in the application of these techniques, including the forecasting of markets and market share, sales volumes and prices, costs and expenses, and multiple other factors. Management considers historical experience and all available information at the time the estimates are made; however, the fair value that is ultimately realized upon the divestiture of a business may differ from the estimated fair value reflected in the Consolidated Financial Statements. Depreciation and amortization expense is not recorded on assets of a business to be divested once they are classified as held for sale. Businesses to be divested are generally classified in the Consolidated Financial Statements as either discontinued operations or held for sale.

For businesses classified as discontinued operations, the balance sheet amounts and results of operations are reclassified from their historical presentation to assets and liabilities of discontinued operations on the Consolidated Balance Sheet and to discontinued operations on the Statement of Consolidated Operations, respectively, for all periods presented. The gains or losses associated with these divested businesses are recorded in discontinued operations on the Statement of Consolidated Operations. The Statement of Consolidated Cash Flows is not required to be reclassified for discontinued operations for any period. Segment information does not include the assets or operating results of businesses classified as discontinued operations for all periods presented. These businesses are expected to be disposed of within one year.

For businesses classified as held for sale that do not qualify for discontinued operations treatment, the balance sheet and cash flow amounts are reclassified from their historical presentation to assets and liabilities of operations held for sale for all periods presented. The results of operations continue to be reported in continuing operations. The gains or losses associated with these divested businesses are recorded in Restructuring and other charges on the Statement of Consolidated Operations. The segment information includes the assets and operating results of businesses classified as held for sale for all periods presented.

B. Recently Adopted and Recently Issued Accounting Guidance

Recently Adopted Accounting Guidance.

On January 1, 2021, the Company adopted changes issued by the Financial Accounting Standards Board ("FASB") that were intended to simplify various aspects of accounting for income taxes by eliminating certain exceptions contained in existing guidance and amending other guidance to simplify several other income tax accounting matters. The adoption of this new guidance did not have a material impact on the Consolidated Financial Statements.

On January 1, 2020, the Company adopted changes issued by the FASB related to the impairment model for expected credit losses. The new impairment model (known as the current expected credit loss ("CECL") model) is based on expected losses rather than incurred losses. The Company recognizes as an allowance its estimate of expected credit losses. The CECL model applies to most debt instruments, trade receivables, lease receivables, financial guarantee contracts, and other loan commitments and requires the measurement of expected credit losses on assets including those that have a low risk of loss. The adoption of this new guidance did not have a material impact on the Consolidated Financial Statements.

In August 2018, the FASB issued guidance that impacts disclosures for defined benefit pension plans and other postretirement benefit plans. These changes became effective for Howmet's annual report for the year ended December 31, 2020 which did not have a material impact on its Consolidated Financial Statements.

In February 2016, the FASB issued changes to the accounting and presentation of leases. These changes required lessees to recognize a right-of-use asset and lease liability on the balance sheet, initially measured at the present value of lease payments for all operating leases with a term greater than 12 months. These changes became effective for the Company on January 1, 2019 and have been applied using the modified retrospective approach as of the date of adoption, under which leases existing at, or entered into after, January 1, 2019 were required to be recognized and measured. Prior period amounts have not been adjusted and continue to be reflected in accordance with the Company's historical accounting. The Company elected the package of practical expedients permitted under the transition guidance within the new standard, which among other things, allowed the Company to carry forward the historical lease classification. The Company also elected to separate lease components from non-lease components for all classes of assets.

The adoption of this new lease standard resulted in the Company recording operating lease right-of-use assets and lease liabilities of approximately \$320 on the Consolidated Balance Sheet as of January 1, 2019. The adoption of the new lease standard had no impact on the Statement of Consolidated Operations or Statement of Consolidated Cash Flows. As a result of the new standard, a gain of \$73 (net of tax) on a 2018 sale leaseback transaction was no longer required to be deferred and the accumulated deficit within the Consolidated Balance Sheet and Statement of Changes in Consolidated Equity were increased accordingly.

In August 2017, the FASB issued guidance that made more financial and nonfinancial hedging strategies eligible for hedge accounting. It also amended the presentation and disclosure requirements and changed how companies assess effectiveness. It is intended to more closely align hedge accounting with companies' risk management strategies, simplify the application of hedge accounting, and increase transparency as to the scope and results of hedging programs. These changes became effective for the Company on January 1, 2019. For cash flow hedges, Howmet recorded a cumulative effect adjustment of \$2 related to eliminating the separate measurement of ineffectiveness by decreasing Accumulated other comprehensive loss and increasing Retained earnings on its Consolidated Balance Sheet and Statement of Changes in Consolidated Equity. The amendments to presentation and disclosure are required prospectively. Howmet has determined that under the new accounting guidance it is able to more broadly use cash flow hedge accounting for its variable priced inventory purchases and customer sales.

Recently Issued Accounting Guidance.

In March 2020, the FASB issued amendments that provide optional expedients and exceptions for applying GAAP to contracts, hedging relationships, and other transactions affected by reference rate reform, if certain criteria are met. The amendments apply only to contracts and hedging relationships that reference London Inter-bank Offered Rate ("LIBOR") or another reference rate expected to be discontinued due to reference rate reform. These amendments are effective immediately and may be applied prospectively to contract modifications made and hedging relationships entered into or evaluated on or before December 31, 2022. Management does not believe the impact of these changes will have a material impact on the Consolidated Financial Statements.

C. Arconic Inc. Separation Transaction and Discontinued Operations

On April 1, 2020, the Company completed the separation of its business into two independent, publicly-traded companies, which was effected by the distribution (the "Distribution") by the Company of all of the outstanding common stock of Arconic Corporation to the Company's stockholders. Following the Arconic Inc. Separation Transaction, Arconic Corporation held the Global Rolled Products businesses (global rolled products, aluminum extrusions, and building and construction systems) previously held by the Company. The Company retained the Engineered Products and Forgings businesses (engine products, fastening systems, engineered structures, and forged wheels).

In connection with the Arconic Inc. Separation Transaction, the Company entered into several agreements with Arconic Corporation, including the following: a Separation and Distribution Agreement, Tax Matters Agreement, Employee Matters Agreement, certain Patent, Know-How, Trade Secret License and Trademark License Agreements, and Raw Material Supply Agreements.

On February 7, 2020, Arconic Corporation completed an offering of \$600 aggregate principal amount of 6.125% senior secured second-lien notes due 2028. On March 25, 2020, Arconic Corporation entered into a credit agreement which provided for a \$600 aggregate principal amount seven-year senior secured first-lien loan B facility and a revolving credit facility which is guaranteed by certain of Arconic Corporation's wholly-owned domestic subsidiaries and secured on a first-priority basis by liens on substantially all assets of Arconic Corporation and subsidiary guarantors. Arconic Corporation used the proceeds to make payment to the Company to fund the transfer of certain assets to Arconic Corporation relating to the Arconic Inc. Separation Transaction and for general corporate purposes. The Company incurred debt issuance costs of \$45 associated with these issuances for the first quarter of 2020 and year ended December 31, 2020.

On February 1, 2020, the Company completed the sale of its rolling mill in Itapissuma, Brazil for \$50 in cash, which resulted in a loss of \$59, of which \$53 was recognized in Restructuring and other charges within discontinued operations in the second half of 2019 and \$6 in the first quarter of 2020 and year ended December 31, 2020. On March 1, 2020, the Company sold its hard alloy extrusions plant in South Korea for \$62 in cash, which resulted in a gain that was recognized in Restructuring and other charges within discontinued operations in the first quarter of 2020 and year ended December 31, 2020.

On October 31, 2018, the Company sold its Texarkana, Texas rolling mill and cast house, which included contingent consideration of up to \$50. The contingent consideration related to the achievement of various milestones within 36 months of the transaction closing date associated with operationalizing the rolling mill equipment. In 2019, the Company received additional contingent consideration of \$20 and recorded a gain. These amounts were recorded in discontinued operations in the Statement of Consolidated Operations.

Discontinued Operations

The results of operations of Arconic Corporation are presented as Income from discontinued operations after income taxes in the Statement of Consolidated Operations as summarized below:

	Year ended December 31,			
	2020			2019
Sales	\$	1,575	\$	7,094
Cost of goods sold		1,293		6,013
Selling, general administrative, research and development and other expenses		106		346
Provision for depreciation and amortization		58		241
Restructuring and other (credits) charges		(18)		38
Operating income from discontinued operations		136		456
Interest expense, net		7		—
Other expense, net		41		91
Income from discontinued operations		88		365
Provision for income taxes		38		21
Income from discontinued operations after income taxes	\$	50	\$	344

The following table presents purchases of properties, plants, and equipment, proceeds from the sale of businesses, and the provision for depreciation and amortization of discontinued operations related to Arconic Corporation:

	 Year ended December 31,				
	2020		2019		
Capital expenditures	\$ 72	\$	210		
Proceeds from the sales of businesses	\$ 112	\$	20		
Provision for depreciation and amortization	\$ 58	\$	241		

On April 1, 2020, management evaluated the net assets of Arconic Corporation for potential impairment and determined that no impairment charge was required.

The cash flows and equity related to Arconic Corporation have not been segregated and are included in the Statement of Consolidated Cash Flows or Statement of Comprehensive Income for all periods presented prior to the Arconic Inc. Separation Transaction.



The carrying amount of the major classes of assets and liabilities related to Arconic Corporation were classified as assets and liabilities of discontinued operations in the 2019 Consolidated Balance Sheet consisted of the following:

	Decem	December 31, 2019		
Total assets of discontinued operations				
Cash and cash equivalents	\$	71		
Receivables from customers		385		
Other receivables		135		
Inventories		822		
Prepaid expenses and other current assets		29		
Current assets of discontinued operations		1,442		
Properties, plants, and equipment, net		2,834		
Goodwill		426		
Intangibles, net		60		
Deferred income taxes		383		
Other noncurrent assets		196		
Noncurrent assets of discontinued operations		3,899		
Total assets of discontinued operations	\$	5,341		
Total liabilities of discontinued operations:				
Accounts payable, trade	\$	1,067		
Accrued compensation and retirement costs		147		
Taxes, including income taxes		22		
Other current liabilities		188		
Current liabilities of discontinued operations		1,424		
Accrued pension benefits		1,429		
Accrued other postretirement benefits		514		
Other noncurrent liabilities and deferred credits		315		
Noncurrent liabilities of discontinued operations		2,258		
Total liabilities of discontinued operations	\$	3,682		

D. Segment and Geographic Area Information

Howmet is a global leader in lightweight metals engineering and manufacturing. Howmet's innovative, multi-material products, which include nickel, titanium, aluminum, and cobalt, are used worldwide in the aerospace (commercial and defense), commercial transportation, and industrial and other markets. Segment performance under Howmet's management reporting system is evaluated based on a number of factors; however, the primary measure of performance is Segment operating profit. Howmet's definition of Segment operating profit is Operating income excluding Special items. Special items include Restructuring and other charges and Impairment of Goodwill. Segment operating profit may not be comparable to similarly titled measures of other companies. Differences between the total segment and consolidated totals are in Corporate.

Following the Arconic Inc. Separation Transaction, Howmet's operations consist of four worldwide reportable segments as follows:

Engine Products

Engine Products produces investment castings, including airfoils, and seamless rolled rings primarily for aircraft engines and industrial gas turbines. Engine Products produces rotating parts as well as structural parts.

Fastening Systems

Fastening Systems produces aerospace fastening systems, as well as commercial transportation, industrial and other fasteners. The business's high-tech, multi-material fastening systems are found nose to tail on aircraft and aero engines. The business's products are also critical components of commercial transportation vehicles, automobiles, construction and industrial equipment, and renewable energy sector.

Engineered Structures

Engineered Structures produces titanium ingots and mill products for aerospace and defense applications and is vertically integrated to produce titanium forgings, extrusions, forming and machining services for airframe, wing, aero-engine, and landing gear components. Engineered Structures also produces aluminum forgings, nickel forgings, and aluminum machined components and assemblies for aerospace and defense applications.

Forged Wheels

Forged Wheels provides forged aluminum wheels and related products for heavy-duty trucks and the commercial transportation markets.

The operating results and assets of the Company's reportable segments were as follows:

Year ended	Engine roducts	Fastening Systems	Engineered Structures	Fo	rged Wheels	Total Segment
2021		 				
Sales:						
Third-party sales	\$ 2,282	\$ 1,044	\$ 725	\$	921	\$ 4,972
Inter-segment sales	4	—	6		—	10
Total sales	\$ 2,286	\$ 1,044	\$ 731	\$	921	\$ 4,982
Profit and loss:						
Segment operating profit	\$ 440	\$ 190	\$ 54	\$	255	\$ 939
Restructuring and other charges	74		16		—	90
Provision for depreciation and amortization	124	49	49		39	261
Other:						
Capital expenditures	\$ 74	\$ 42	\$ 21	\$	45	\$ 182
Total Assets	4,663	2,635	1,280		684	9,262
2020						
Sales:						
Third-party sales	\$ 2,406	\$ 1,245	\$ 927	\$	679	\$ 5,257
Inter-segment sales	5	—	7		—	12
Total sales	\$ 2,411	\$ 1,245	\$ 934	\$	679	\$ 5,269
Profit and loss:				-		
Segment operating profit	\$ 417	\$ 247	\$ 73	\$	153	\$ 890
Restructuring and other charges	36	39	28		3	106
Provision for depreciation and amortization	123	48	52		39	262
Other:						
Capital expenditures	\$ 77	\$ 39	\$ 19	\$	23	\$ 158
Total Assets	4,756	2,707	1,444		628	9,535
2019						
Sales:						
Third-party sales	\$ 3,320	\$ 1,561	\$ 1,255	\$	969	\$ 7,105
Inter-segment sales	11	—	13		—	24
Total sales	\$ 3,331	\$ 1,561	\$ 1,268	\$	969	\$ 7,129
Profit and loss:						
Segment operating profit	\$ 621	\$ 396	\$ 120	\$	253	\$ 1,390
Restructuring and other charges	297	6	199		4	506
Provision for depreciation and amortization	131	48	58		32	269
Other:						
Capital expenditures	\$ 211	\$ 36	\$ 27	\$	70	\$ 344
Total Assets	5,445	2,810	1,151		629	10,035

The following table reconciles Total segment capital expenditures, which are presented on an accrual basis, with Capital expenditures as presented on the Statement of Consolidated Cash Flows. Differences between the total segment and consolidated totals are in Corporate and discontinued operations, including the impact of changes in accrued capital expenditures during the period.

For the year ended December 31,	2021	2020	2019
Total segment capital expenditures	\$ 182	\$ 158	\$ 344
Corporate and discontinued operations	17	109	297
Capital expenditures	\$ 199	\$ 267	\$ 641

The following tables reconcile certain segment information to consolidated totals:

For the year ended December 31,	2021		2020		2019	
Sales:	 					
Total segment sales	\$ 4,982	\$	5,269	\$	7,129	
Elimination of inter-segment sales	(10)		(12)		(24)	
Corporate			2		(7)	
Consolidated sales	\$ 4,972	\$	5,259	\$	7,098	

For the year ended December 31,	202 1	L	2020	2019
Total segment operating profit	\$	939	\$ 890	\$ 1,390
Unallocated amounts:				
Restructuring and other charges		(90)	(182)	(582)
Corporate expense		(101)	(82)	(229)
Consolidated operating income	\$	748	\$ 626	\$ 579
Loss on debt redemption		(146)	(64)	—
Interest expense, net		(259)	(317)	(338)
Other expense, net		(19)	(74)	(31)
Income from continuing operations before income taxes	\$	324	\$ 171	\$ 210

December 31,	2021	2020
Assets:		
Total segment assets	\$ 9,262	\$ 9,535
Unallocated amounts:		
Cash and cash equivalents	720	1,610
Deferred income taxes	184	272
Corporate fixed assets, net	133	140
Fair value of derivative contracts	2	5
Accounts receivable securitization	(239)	(241)
Other	157	122
Consolidated assets	\$ 10,219	\$ 11,443

Segment assets include third-party receivables while the accounts receivable securitization item includes the impact of sold receivables under the Company's Accounts Receivable securitization programs. (See <u>Note M</u>)

Geographic information for sales was as follows (based upon the destination of the sale):

For the year ended December 31,	2021	2020	2019
Sales:			
United States	\$ 2,542	\$ 2,782	\$ 3,534
France	330	327	546
Japan	319	388	480
Germany	257	309	385
Mexico	225	185	277
United Kingdom	213	231	420
Italy	181	181	195
Canada	127	119	179
Poland	77	76	131
China	71	75	168
Other	630	586	783
	\$ 4,972	\$ 5,259	\$ 7,098

Geographic information for long-lived tangible assets was as follows (based upon the physical location of the assets):

December 31,	2021	2020
Long-lived assets:		
United States	\$ 1,868	\$ 1,967
Hungary	205	213
France	127	150
United Kingdom	116	109
Germany	66	78
Mexico	61	62
China	53	59
Canada	39	44
Japan	25	25
Other	15	16
	\$ 2,575	\$ 2,723

The following table disaggregates segment revenue by major market served. Differences between total segment and consolidated totals are in Corporate.

0 00 0 0	5 5		Fastening	Engineered		Total
	Engi	ne Products	 Systems	 Structures	Forged Wheels	 Segment
Year ended December 31, 2021						
Aerospace - Commercial	\$	1,105	\$ 537	\$ 387	\$ —	\$ 2,029
Aerospace - Defense		523	158	270	—	951
Commercial Transportation			208		921	1,129
Industrial and Other		654	141	68	—	863
Total end-market revenue	\$	2,282	\$ 1,044	\$ 725	\$ 921	\$ 4,972
Year ended December 31, 2020						
Aerospace - Commercial	\$	1,247	\$ 808	\$ 542	\$ —	\$ 2,597
Aerospace - Defense		557	156	303	—	1,016
Commercial Transportation		_	155	_	679	834
Industrial and Other		602	126	82	_	810
Total end-market revenue	\$	2,406	\$ 1,245	\$ 927	\$ 679	\$ 5,257
Year ended December 31, 2019						
Aerospace - Commercial	\$	2,229	\$ 1,060	\$ 897	\$ —	\$ 4,186
Aerospace - Defense		475	158	256		889
Commercial Transportation		20	227	—	970	1,217
Industrial and Other		596	116	102	(1)	813
Total end-market revenue	\$	3,320	\$ 1,561	\$ 1,255	\$ 969	\$ 7,105

The Company derived 60%, 69%, and 71% of its revenue for the year ended December 31, 2021, 2020, and 2019, respectively, from aerospace markets.

General Electric Company represented approximately 13% of the Company's third-party sales for the year ended December 31, 2021, primarily from the Engine Products segment.

E. Restructuring and Other Charges

Restructuring and other charges were comprised of the following:

For the year ended December 31,	2021		2020	2019
Layoff costs	\$ 7	\$	113	\$ 69
Net reversals of previously recorded layoff reserves	(3))	(21)	(6)
Pension, Other post-retirement benefits (costs) and deferred compensation - net settlement and curtailments	75		69	(7)
Non-cash asset impairments and accelerated depreciation (\underline{O})	15		5	442
Net (gain) loss related to divestitures of assets and businesses (U)	(8))	8	63
Other	4		8	21
Restructuring and other charges	\$ 90	\$	182	\$ 582

Layoff costs were recorded based on approved detailed action plans submitted by the operating locations that specified positions to be eliminated, benefits to be paid under existing severance plans, union contracts or statutory requirements and the expected timetable for completion of the plans.

2021 Actions. In 2021, Howmet recorded Restructuring and other charges of \$90, which included a \$75 charge for U.K. and U.S. pension plans' settlement accounting; a \$15 charge for accelerated depreciation primarily related to the closure of small U.S. manufacturing facilities in Engine Products and Fastening Systems; a \$7 charge for layoff costs, including the separation of 253 employees (171 in Engineered Structures, 75 in Engine Products, 6 in Fastening Systems and 1 in Corporate); a \$4 charge for impairment of assets associated with an agreement to sell a small manufacturing business in France, and a \$4 charge



for various other exit costs. These charges were partially offset by a gain of \$12 on the sale of assets at a small U.S. manufacturing facility in Fastening Systems and a benefit of \$3 related to the reversal of a number of layoff reserves related to prior periods.

As of December 31, 2021, 66 of the 253 employees were separated. The remaining separations for the 2021 restructuring programs are expected to be completed in 2022.

2020 Actions. In 2020, Howmet recorded Restructuring and other charges of \$182, which included a \$113 charge for layoff costs, including the separation of 4,301 employees (1,706 in Engine Products, 1,675 in Fastening Systems, 805 in Engineered Structures, 92 in Forged Wheels and 23 in Corporate); a \$69 net charge for Pension, Other postretirement benefits and deferred compensation - net settlement and curtailments, composed of a \$74 charge for U.K. and U.S. pension plans' settlement accounting offset by a \$3 benefit from the termination of a deferred compensation plan and a \$2 curtailment benefit related to a postretirement plan; a \$5 post-closing adjustment related to the sale of the Company's U.K. forgings business (which was formerly part of the Engine Products segment); a \$5 charge for impairment of assets associated with an agreement to sell an aerospace components business in the U.K. (within the Engineered Structures segment), which ultimately did not occur and the business was returned to held for use; \$5 charge related to the impairment of a cost method investment; a \$2 charge for accelerated depreciation; a \$1 charge for impairment of assets due to a facility sale, and a \$6 charge for various other exit costs. These charges were partially offset by a benefit of \$21 related to the reversal of a number of prior period programs and a gain of \$3 on the sale of assets.

As of December 31, 2021, the employee separations associated with the 2020 restructuring programs were essentially complete.

2019 Actions. In 2019, Howmet recorded Restructuring and other charges of \$582, which included a \$428 charge for impairment of the Disks long-lived asset group; a \$69 charge for layoff costs, including the separation of 917 employees (103 in Engine Products, 128 in Engineered Structures, 132 in Fastening Systems, 60 in Forged Wheels and 494 in Corporate); a \$46 charge for impairment of assets associated with an agreement to sell the UK forging business; a \$14 charge for impairment of properties, plants, and equipment related to the Company's primary research and development facility; a \$13 loss on sale of assets primarily related to a small additive business; a \$12 charge for other exit costs from lease terminations primarily related to the exit of the corporate aircraft; a \$9 settlement accounting charge for U.S. pension plans; a \$5 charge for other exit costs; partially offset by a benefit of \$16 related to the elimination of the life insurance benefit for U.S. salaried and non-bargaining hourly retirees of the Company and its subsidiaries; a benefit of \$6 for the reversal of a number of layoff reserves related to prior periods, and a net gain of \$1 on the sales of assets.

In 2019, the Company recorded an impairment charge of \$428 related to the Disks long-lived asset group, of which \$247 and \$181 was related to the Engine Products and Engineered Structures segments, respectively, as the carrying value exceeded the forecasted undiscounted cash flows composed of a write-down of properties, plants, and equipment, intangible assets and certain other noncurrent assets. See <u>Note O</u> for additional details.

As of December 31, 2021, the employee separations associated with the 2019 restructuring programs were complete.

Activity and reserve balances for restructuring charges were as follows:

	Layoff costs	Other exit costs	Total
Reserve balances at December 31, 2018	\$ 13	\$ 9	\$ 22
2019 Activity			
Cash payments	(63)	—	(63)
Restructuring and other charges	58	524	582
Other ⁽¹⁾	5	(533)	(528)
Reserve balances at December 31, 2019	\$ 13	\$ —	\$ 13
2020 Activity	 	 	
Cash payments	\$ (51)	\$ —	\$ (51)
Restructuring and other charges	161	21	182
Other ⁽²⁾	(69)	 (21)	(90)
Reserve balances at December 31, 2020	\$ 54	\$ —	\$ 54
2021 Activity	 		
Cash payments	\$ (41)	\$ (2)	\$ (43)
Restructuring and other charges	79	11	90
Other ⁽³⁾	 (75)	 (7)	(82)
Reserve balances at December 31, 2021	\$ 17	\$ 2	\$ 19

(1) In 2019, Other for layoff costs included reclassifications of a \$16 credit for elimination of life insurance benefits for U.S. salaried and non-bargaining hourly retirees, a charge of \$9 for pension plan settlement accounting, as the impacts were reflected in the Company's separate liabilities for Accrued pension benefits and Accrued other postretirement benefits; a \$2 net charge for executive severance net of the benefit of forfeited executive stock compensation. In 2019, Other exit costs included a charge of \$428 for impairment of the Disks long-lived asset group; a charge of \$59 for impairment of assets associated with agreement to sell the U.K. forgings business, and a small additive business; a charge of \$14 for impairment of properties, plants, and equipment related to the Company's primary research and development facility; a charge of \$12 for lease terminations; a \$5 charge for impairment of a cost method investment, a charge of \$7 related to other miscellaneous items and a \$9 reclassification of lease exit costs to reduce right of use assets in Other noncurrent assets in accordance with the adoption of the new lease accounting standard; partially offset by a gain of \$1 on the sales of assets.

- (2) In 2020, Other for layoff costs included \$74 in settlement accounting charges related to U.K. and U.S. pension plans, offset by a \$3 benefit from the termination of a deferred compensation plan and a \$2 curtailment benefit related to a postretirement plan; while Other exit costs included a charge of \$5 for impairment of assets; a \$5 post-closing adjustment related to the sale of a business; a \$5 charge related to the impairment of a cost method investment; a \$2 charge for accelerated depreciation; a \$1 charge for impairment of assets due to a facility closure and a \$6 charge for various other exit costs, which were offset by a gain of \$3 on the sale of assets.
- ⁽³⁾ In 2021, Other for layoff costs included \$75 in settlement accounting charges related to U.K. and U.S. pension plans; while Other exit costs included a charge of \$15 for accelerated depreciation and a \$4 charge for various other exit costs, which were offset by a gain of \$12 on the sale of assets.

The remaining reserves at December 31, 2021 are expected to be paid in cash during 2022.

F. Interest Cost Components For the year ended December 31, 2021 2020 2019 Amount charged to interest expense, net 259 317 338 Loss on debt redemption 146 64 Amount capitalized 8 33 11 Total 392 371 \$ 413 \$ \$

G. Other Expense, Net

For the year ended December 31,	2021	2020	2019
Non-service related net periodic benefit cost (<u>H</u>)	\$ 9	\$ 26	\$ 17
Interest income	(2)	(5)	(24)
Foreign currency losses (gains), net	2	(11)	5
Net loss from asset sales	9	8	10
Deferred compensation	8	10	24
Other, net ⁽¹⁾	(7)	46	(1)
Total	\$ 19	\$ 74	\$ 31

⁽¹⁾ In 2020, Other, net included a charge from the write-off of a tax indemnification receivable of \$53 reflecting the aggregate of Alcoa Corporation's 49% share and Arconic Corporation's 33.66% share of a Spanish tax reserve (see <u>Note V</u>).

H. Pension and Other Postretirement Benefits

Howmet maintains pension plans covering most U.S. employees and certain employees in foreign locations. Pension benefits generally depend on length of service and job grade. Substantially all benefits are paid through pension trusts that are sufficiently funded to ensure that all plans can pay benefits to retirees as they become due. Most salaried and non-bargaining hourly U.S. employees hired after March 1, 2006, participate in a defined contribution plan instead of a defined benefit plan.

Howmet also maintains health care and life insurance postretirement benefit plans covering eligible U.S. retired employees. Generally, the medical plans are unfunded and pay a percentage of medical expenses, reduced by deductibles and other coverage. Life benefits are generally provided by insurance contracts. Howmet retains the right, subject to existing agreements, to change or eliminate these benefits. All salaried and certain non-bargaining hourly U.S. employees hired after January 1, 2002 and certain bargaining hourly U.S. employees hired after July 1, 2010, are not eligible for postretirement health care benefits. All salaried and certain hourly U.S. employees that retire on or after April 1, 2008 are not eligible for postretirement life insurance benefits. Effective May 1, 2019, salaried employees and retirees are not eligible for postretirement life insurance benefits.

Effective January 1, 2015, Howmet no longer offers postretirement health care benefits to Medicare-eligible, primarily non-bargaining, U.S. retirees through Company-sponsored plans. Qualifying retirees may access these benefits in the marketplace by purchasing coverage directly from insurance carriers. Subsidies to these retirees ceased effective December 31, 2021. Some of these retirees remain eligible for Medicare Part B reimbursement.

In 2019, the Company communicated to plan participants that for its U.S. salaried and non-bargained hourly retirees of the Company and its subsidiaries, it would eliminate the life insurance benefit effective May 1, 2019, and certain health care subsidies effective December 31, 2019. As a result of these changes in 2019, the Company recorded a decrease to the Accrued other postretirement benefits liability of \$75, which was offset by a curtailment benefit of \$58 (of which \$16 was recorded in Restructuring and other charges and \$42 related to Arconic Corporation in Discontinued Operations) and \$17 in Accumulated other comprehensive loss.

In June 2019, the Company and the United Steelworkers ("USW") reached a tentative three-year labor agreement that was ratified on July 11, 2019 covering approximately 3,400 employees at four U.S. locations of Arconic Corporation; the previous labor agreement expired on May 15, 2019. In 2019, the Company recognized \$9 in Discontinued operations in the Statement of Consolidated Operations primarily for a one-time signing bonus for employees. Additionally, on July 25, 2019, the USW ratified a new four-year labor agreement covering approximately 560 employees at the Company's Niles, Ohio facility. The prior labor agreement expired on June 30, 2018.

In 2021, 2020, and 2019, the Company applied settlement accounting to U.S. pension plans due to lump sum payments to participants, which resulted in settlement charges of \$12, \$8, and \$9, respectively, that were recorded in Restructuring and other charges.

In 2021 and 2020, the Company undertook a number of actions to reduce pension obligations in the U.K. by offering lump sum payments to certain plan participants and entering into group annuity contracts with a third-party carrier to pay and administer future annuity payments. The Company applied settlement accounting to these U.K. pension plans, which resulted in settlement charges of \$23 and \$66, respectively, that were recorded in Restructuring and other charges in the Statement of Consolidated Operations. These actions reduced the number of pension plan participants in the U.K. by approximately 70%.

In 2020, the Company communicated to plan participants that for its U.S. salaried and non-bargained hourly retirees of the Company and its subsidiaries, it would eliminate certain health care subsidies effective December 31, 2021, and that for certain bargained retirees of the Company, it would eliminate certain health care subsidies effective December 31, 2021 and the life insurance benefit effective August 1, 2020. As a result of these amendments, the Company recorded a decrease to the Accrued other postretirement benefits liability of \$6 in 2020, which was offset in Accumulated other comprehensive loss.

In the first quarter of 2021, the Company announced a plan administration change of certain of its Medicare-eligible prescription drug benefits to an Employer Group Waiver Plan with a wrap-around secondary plan effective July 1, 2021. The administration change is expected to reduce costs to the Company through the usage of Medicare Part D and drug manufacturer subsidies. Due to this amendment, along with the associated plan remeasurements, the Company recorded a decrease to its Accrued other postretirement benefits liability of \$39, which was offset in Accumulated other comprehensive loss in the Consolidated Balance Sheet.

On March 11, 2021, the American Rescue Plan Act of 2021 ("ARPA 2021") was signed into law in the United States. ARPA 2021, in part, provides temporary relief for employers who sponsor defined benefit pension plans related to funding contributions under the Employee Retirement Income Security Act of 1974. Considering the impact of ARPA 2021, Howmet's pension contributions and other postretirement benefit payments in 2021 were approximately \$110.

In October 2021, the Company undertook additional actions to reduce gross pension obligations by \$125 by purchasing group annuity contracts with a third-party carrier to pay and administer future annuity payments. These actions resulted in a settlement charge of \$34 and were recorded in Restructuring and other charges in the fourth quarter ended December 31, 2021 in the Statement of Consolidated Operations. The funded status of the plans have not been significantly impacted.

The funded status of all of Howmet's pension plans are measured as of December 31 each calendar year. Howmet's funded status under the Employee Retirement Income Security Act of 1974 ("ERISA") was approximately 76% as of January 1, 2021.

Obligations and Funded Status

		Pension	bene	fits	_		her Ient b	her ent benefits	
December 31,		2021		2020		2021		2020	
Change in benefit obligation									
Benefit obligation at beginning of year	\$	2,713	\$	7,249	\$	215	\$	786	
Transfer to Arconic Corporation				(4,355)		_		(569)	
Service cost		4		6		2		2	
Interest cost		47		71		5		7	
Amendments		3		6		(31)		(11)	
Actuarial (gains) losses ⁽¹⁾		(55)		313		(10)		14	
Settlements		(275)		(398)		_			
Benefits paid		(140)		(153)		(17)		(17)	
Medicare Part D subsidy receipts		_		_		1		3	
Foreign currency translation impact		(1)		(26)		_		_	
Benefit obligation at end of year ⁽²⁾	\$	2,296	\$	2,713	\$	165	\$	215	
Change in plan assets ⁽²⁾									
Fair value of plan assets at beginning of year	\$	1,724	\$	4,868	\$	_	\$	_	
Transfer to Arconic Corporation		,		(2,982)		_			
Actual return on plan assets		124		203		_		_	
Employer contributions		96		227				_	
Benefits paid		(123)		(136)		_		_	
Administrative expenses		(12)		(12)		_			
Settlement payments		(277)		(413)		_		_	
Foreign currency translation impact		(1)		(31)		_			
Fair value of plan assets at end of year ⁽²⁾	\$	1,531	\$	1,724	\$		\$		
Funded status	\$	(765)	\$		\$	(165)	\$	(215)	
Amounts recognized in the Consolidated Balance Sheet cons	sist of:	()		()		()		(-)	
Noncurrent assets	\$	22	\$	12	\$		\$		
Current liabilities	-	(16)	+	(16)	-	(12)	+	(17)	
Noncurrent liabilities		(771)		(985)		(153)		(198)	
Net amount recognized	\$	(765)	\$	(989)	\$	(165)	\$	(215)	
Amounts recognized in Accumulated Other Comprehensive		(, 00)		(000)		(100)		(=10)	
consist of:	L035								
Net actuarial loss	\$	1,067	\$	1,274	\$	11	\$	22	
Prior service cost (benefit)		3		6		(49)		(28)	
Net amount recognized, before tax effect	\$	1,070	\$	1,280	\$	(38)	\$	(6)	
Other changes in plan assets and benefit obligations recogni Other Comprehensive Loss consist of:	zed in	;							
Net actuarial (benefit) loss	\$	(81)	\$	166	\$	(10)	\$	14	
Amortization of accumulated net actuarial (loss) gain		(125)		(123)		_		1	
Loss transferred to Arconic Corporation				(2,144)		_		(170)	
Prior service cost (benefit)		3		5		(31)		(11)	
Amortization of prior service benefit		(7)				9		5	
Prior service credit transferred to Arconic Corporation		_						13	
Net amount recognized, before tax effect	\$	(210)	\$	(2,096)	\$	(32)	\$	(148)	
	+	(=10)	-	(_,000)	-	(32)	-	(10)	

- ⁽¹⁾ At December 31, 2021, the actuarial gains impacting the benefit obligation were due to changes in discount rate, alternative interest cost method, actual asset returns in excess of expected returns and other changes including census data.
- (2) At December 31, 2021, the benefit obligation, fair value of plan assets, and funded status for U.S. pension plans were \$2,039, \$1,278, and \$(761), respectively. At December 31, 2020, the benefit obligation, fair value of plan assets, and funded status for U.S. pension plans were \$2,327, \$1,361, and \$(966), respectively.

Pension Plan Benefit Obligations

	Pension	fits	
	 2021		2020
The projected benefit obligation and accumulated benefit obligation for all defined benefit pension plans were as follows:			
Projected benefit obligation	\$ 2,296	\$	2,713
Accumulated benefit obligation	2,293		2,707
The aggregate projected benefit obligation and fair value of plan assets for pension plans with projected benefit obligations in excess of plan assets were as follows:			
Projected benefit obligation	1,982		2,364
Fair value of plan assets	1,193		1,364
The aggregate accumulated benefit obligation and fair value of plan assets for pension plans with accumulated benefit obligations in excess of plan assets were as follows:			
Accumulated benefit obligation	1,981		2,359
Fair value of plan assets	1,193		1,364

Components of Net Periodic Benefit Cost

	Pension benefits ⁽¹⁾				Other postretirement benefits ⁽²⁾						
For the year ended December 31,		2021		2020	2019		2021		2020		2019
Service cost	\$	4	\$	12	\$ 25	\$	2	\$	3	\$	7
Interest cost		47		97	235		5		10		28
Expected return on plan assets		(90)		(136)	(286)						
Recognized net actuarial loss		56		78	139				3		4
Amortization of prior service cost (benefit)		1		—	2		(9)		(6)		(6)
Settlements ⁽³⁾		69		76	9						_
Curtailments ⁽⁴⁾		6		—	_		—		(2)		(58)
Net periodic benefit cost ⁽⁵⁾	\$	93	\$	127	\$ 124	\$	(2)	\$	8	\$	(25)
Discontinued operations		—		20	95				6		(15)
Net amount recognized in Statement of Consolidate Operations	d \$	93	\$	107	\$ 29	\$	(2)	\$	2	\$	(10)

⁽¹⁾ In 2021, 2020, and 2019, net periodic benefit cost for U.S. pension plans was \$61, \$58, and \$127, respectively.

- ⁽²⁾ In 2021, 2020, and 2019, net periodic benefit cost for other postretirement benefits reflects a reduction of less than \$1, \$1, and \$11, respectively, related to the recognition of the federal subsidy awarded under Medicare Part D.
- ⁽³⁾ In 2021, settlements were related to U.S. and U.K. actions including the purchase of group annuity contracts and lump sum benefit payments. In 2020, settlements were related to U.K. actions including lump sum benefit payments and the purchase of group annuity contracts as well as U.S. lump sum benefit payments. In 2019, settlements were due to workforce reductions and the payment of lump sum benefits. (See <u>Note E</u>)
- ⁽⁴⁾ In 2021, the curtailment was due to plan termination. In 2020, the curtailment was due to workforce reductions. In 2019, curtailments were due to a reduction of future benefits, resulting in the recognition of favorable and unfavorable plan amendments.

⁽⁵⁾ Service cost was included within Cost of goods sold, Selling, general administrative, and other expenses, and Research and development expenses; curtailments and settlements were included in Restructuring and other charges; and all other cost components were recorded in Other expense, net in the Statement of Consolidated Operations.

Assumptions

Weighted average assumptions used to determine benefit obligations for pension and other postretirement benefit plans were as follows:

December 31,	2021	2020
Discount rate	2.70 %	2.40 %
Cash balance plan interest crediting rate	3.00 %	3.00 %

The U.S. discount rate is determined using a Company-specific yield curve model (above-median) developed with the assistance of an external actuary while both the U.K. and Canada utilize models developed internally by their respective actuary. The cash flows of the plans' projected benefit obligations are discounted using a single equivalent rate derived from yields on high quality corporate bonds, which represent a broad diversification of issuers in various sectors, including finance and banking, industrials, transportation, and utilities, among others. The yield curve models parallel the plans' projected cash flows, which have a global average duration of 11 years. The underlying cash flows of the bonds included in the models exceed the cash flows needed to satisfy the Company's plans' obligations multiple times.

Benefit accruals for future compensation under the Company's major salaried and non-bargained hourly defined benefit pension plans have ceased. The rate of compensation increase no longer impacts the determination of the benefit obligation.

Weighted average assumptions used to determine net periodic benefit cost for pension and other postretirement benefit plans were as follows:

	2021	2020	2019
Discount rate to calculate service cost ⁽¹⁾	2.80 %	3.30 %	4.30 %
Discount rate to calculate interest cost ⁽¹⁾	2.10 %	2.70 %	3.90 %
Expected long-term rate of return on plan assets	6.20 %	6.00 %	5.60 %
Rate of compensation increase ⁽²⁾	— %	— %	3.50 %
Cash balance plan interest crediting rate	3.00 %	3.00 %	3.00 %

⁽¹⁾ In all periods presented, the respective global discount rates were used to determine net periodic benefit cost for most pension plans for the full annual period. However, the discount rates for a limited number of plans were updated during 2021, 2020, and 2019 to reflect the remeasurement of these plans due to new union labor agreements, settlements, and/or curtailments. The updated discount rates used were not significantly different from the discount rates presented.

⁽²⁾ Benefit accruals for future compensation under the Company's major salaried and non-bargained hourly defined benefit pension plans have ceased. The rate of compensation increase no longer impacts the determination of the benefit obligation.

The expected long-term rate of return on plan assets ("EROA") is generally applied to a five-year market-related value of plan assets (a fair value at the plan measurement date is used for certain non-U.S. plans). The process used by management to develop this assumption is one that relies on a combination of historical asset return information and forward-looking returns by asset class. As it relates to historical asset return information, management focuses on various historical moving averages when developing this assumption. While consideration is given to recent performance and historical returns, the assumption represents a long-term, prospective return. Management also incorporates expected future returns on current and planned asset allocations using information from various external investment managers and consultants, as well as management's own judgment.

For 2021, 2020, and 2019, the U.S. expected long-term rate of return used by management was based on the prevailing and planned strategic asset allocations, as well as estimates of future returns by asset class. These rates were within the respective range of the 20-year moving average of actual performance and the expected future return developed by asset class. For 2022, management anticipates that 7.00% will continue to be the expected long-term rate of return for the U.S. Pension plans. EROA assumptions are developed by country. Annual changes in the weighted average EROA are impacted by the relative size of the assets by country.

Assumed health care cost trend rates for U.S. other postretirement benefit plans were as follows:

	2021	2020	2019
Health care cost trend rate assumed for next year	5.50 %	5.50 %	5.50 %
Rate to which the cost trend rate gradually declines	4.50 %	4.50 %	4.50 %
Year that the rate reaches the rate at which it is assumed to remain	2024	2023	2023

The assumed health care cost trend rate is used to measure the expected cost of gross eligible charges covered by Howmet's other postretirement benefit plans. For 2022, a 5.50% trend rate will be used, reflecting management's best estimate of the change in future health care costs covered by the plans. The plans' actual annual health care cost trend experience over the past three years has ranged from 2.20% to 5.70%. Management does not believe this three-year range is indicative of expected increases for future health care costs over the long-term.

Plan Assets

Howmet's pension plans' investment policy at December 31, 2021 by asset class, were as follows:

Asset class	Policy range ⁽¹⁾
Equities	20–55%
Fixed income	25–55%
Other investments	15–35%

⁽¹⁾ Policy range is for U.S. plan assets only, as both the U.K. and Canadian asset investment allocations are controlled by a third-party trustee with input from Howmet.

The principal objectives underlying the investment of the pension plans' assets are to ensure that Howmet can properly fund benefit obligations as they become due under a broad range of potential economic and financial scenarios, maximize the long-term investment return with an acceptable level of risk based on such obligations, and broadly diversify investments across and within various asset classes to protect asset values against adverse movements. Specific objectives for long-term investment strategy include reducing the volatility of pension assets relative to pension liabilities, and attaining and maintaining a sufficiently funded status. The use of derivative instruments is permitted where appropriate and necessary for achieving overall investment policy objectives. The investment strategy uses long duration cash bonds and derivative instruments to offset a portion of the interest rate sensitivity of U.S. pension liabilities. Exposure to broad equity risk is decreased and diversified through investments in hedge funds, private equity, private credit, private real estate, high-yield bonds, global and emerging market debt, and global and emerging market equities. Investments are further diversified by strategy, asset class, geography, and sector to enhance returns and mitigate downside risk. A large number of external investment managers are used to gain broad exposure to the financial markets and to mitigate manager-concentration risk.

Investment practices comply with the requirements of ERISA and other applicable laws and regulations.

The following section describes the valuation methodologies used to measure the fair value of pension plan assets, including an indication of the level in the fair value hierarchy in which each type of asset is generally classified (see <u>Note S</u> for the definition of fair value and a description of the fair value hierarchy).

Equities. These securities consist of: (i) direct investments in the stock of publicly traded U.S. and non-U.S. companies, and equity derivatives, that are valued based on the closing price reported in an active market on which the individual securities are traded (generally classified in Level 1); (ii) the plans' share of commingled funds that are invested in the stock of publicly traded companies and are valued at the net asset value of shares held at December 31 (included in Level 1 and Level 2); and (iii) direct investments in long/short equity hedge funds and private equity (limited partnerships and venture capital partnerships) that are valued at net asset value.

Fixed income. These securities consist of: (i) U.S. government debt that are generally valued using quoted prices (included in Level 1); (ii) cash and cash equivalents invested in publicly-traded funds and are valued based on the closing price reported in an active market on which the individual securities are traded (generally classified in Level 1); (iii) publicly traded U.S. and non-U.S. fixed interest obligations (principally corporate bonds and debentures) and are valued through consultation and evaluation with brokers in the institutional market using quoted prices and other observable market data (included in Level 2); (iv) fixed income derivatives that are generally valued using industry standard models with market-based observable inputs (included in Level 2); and (v) cash and cash equivalents invested in institutional funds and are valued at net asset value.

Other investments. These investments include, among others: (i) exchange traded funds, such as gold, and real estate investment trusts and are valued based on the closing price reported in an active market on which the investments are traded (included in Level 1) and (ii) direct investments of discretionary and systematic macro hedge funds and private real estate (includes limited partnerships) and are valued at net asset value.

The fair value methods described above may not be indicative of net realizable value or reflective of future fair values. Additionally, while Howmet believes the valuation methods used by the plans' trustees are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following table presents the fair value of pension plan assets classified under the appropriate level of the fair value hierarchy or net asset value:

December 31, 2021		Level 1		Level 2	ľ	Net Asset Value		Total
Equities:								
Equity securities	\$	2	\$	197	\$	409	\$	608
Long/short equity hedge funds						60		60
Private equity		_				126		126
	\$	2	\$	197	\$	595	\$	794
Fixed income:								
Intermediate and long duration government/credit	\$	124	\$	328	\$	_	\$	452
Other		15		119				134
	\$	139	\$	447	\$		\$	586
Other investments:								
Real estate	\$		\$	_	\$	64	\$	64
Discretionary and systematic macro hedge funds						47		47
Other						23		23
	\$	_	\$	_	\$	134	\$	134
Net plan assets ⁽¹⁾	\$	141	\$	644	\$	729	\$	1,514
December 31, 2020		Level 1		Level 2	ז	Net Asset Value		Total
December 31, 2020 Equities:		Level 1		Level 2	1	Net Asset Value		Total
Equities:	\$		\$				\$	
Equities: Equity securities	\$	Level 1 274	\$	Level 2 89	<u>ו</u> \$	Net Asset Value 68 77	\$	431
Equities: Equity securities Long/short equity hedge funds	\$		\$			68 77	\$	431 77
Equities: Equity securities		274 		89 	\$	68 77 87		431 77 87
Equities: Equity securities Long/short equity hedge funds	\$ \$		\$			68 77	\$ \$	431 77
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income:		274 	\$	89 	\$ \$	68 77 87	\$	431 77 87 595
Equities: Equity securities Long/short equity hedge funds Private equity	\$	274 — 274		89 89	\$	68 77 87 232		431 77 87
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit	\$ \$	274 — 274 78 	\$ \$	89 — 89 579 254	\$ \$ \$	68 77 87 232 31 —	\$ \$	431 77 87 595 688 317
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit	\$	274 — 274 	\$	89 — 89 89 579	\$ \$	68 77 87 232	\$	431 77 87 595 688
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit Other	\$ \$	274 — 274 78 	\$ \$	89 — 89 579 254	\$ \$ \$ \$	68 77 87 232 31 — 31	\$ \$ \$	431 77 87 595 688 317
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit Other Other investments: Real estate	\$ \$ \$	274 — 274 78 63 141	\$ \$ \$	89 — 89 579 254	\$ \$ \$	68 77 87 232 31 —	\$ \$	431 77 87 595 688 317 1,005
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit Other	\$ \$ \$	274 — 274 78 63 141	\$ \$ \$	89 — 89 579 254	\$ \$ \$ \$	68 77 87 232 31 31 52	\$ \$ \$	431 77 87 595 688 317 1,005
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit Other Other investments: Real estate Discretionary and systematic macro hedge funds	\$ \$ \$ \$	274 — 274 78 63 141 31 —	\$ \$ \$	89 — 89 579 254	\$ \$ \$ \$	68 77 87 232 31 — 31 52 94 23	\$ \$ \$	431 77 87 595 688 317 1,005 83 94
Equities: Equity securities Long/short equity hedge funds Private equity Fixed income: Intermediate and long duration government/credit Other Other investments: Real estate Discretionary and systematic macro hedge funds	\$ \$ \$	274 — 274 78 63 141	\$ \$ \$	89 — 89 579 254	\$ \$ \$ \$	68 77 87 232 31 31 52 94	\$ \$ \$	431 77 87 595 688 317 1,005 83 94 23

⁽¹⁾ As of December 31, 2021, the total fair value of pension plans' assets excludes a net receivable of \$17, which represents securities purchased and sold but not yet settled plus interest and dividends earned on various investments.

⁽²⁾ As of December 31, 2020, the total fair value of pension plans' assets excludes a net payable of \$76, which represents securities purchased and sold but not yet settled plus interest and dividends earned on various investments.

Funding and Cash Flows

It is Howmet's policy to fund amounts for pension plans sufficient to meet the minimum requirements set forth in the benefits laws and tax laws of the applicable country. Periodically, Howmet contributes additional amounts as deemed appropriate. In 2021 and 2020, cash contributions to Howmet's pension plans were \$96 and \$227, respectively, which includes \$12 and \$25, respectively, contributed to the Company's U.S. plans that was in excess of the minimum required under ERISA.

The contributions to the Company's pension plans in 2022 are estimated to be \$44 (of which \$35 is for U.S. plans), all of which are minimum required contributions.



During the third quarter of 2016, the Pension Benefit Guaranty Corporation approved management's plan to separate the Alcoa Inc. pension plans between the Company and Alcoa Corporation. The plan stipulated that the Company make cash contributions of \$150 over a period of 30 months (from November 1, 2016) to its two largest pension plans. The Company satisfied the requirements of the plan by making payments of \$34, \$66, and \$50 in April 2019, March 2018, and April 2017, respectively.

Due to the plan administration change of certain Medicare-eligible prescription drug benefits to an Employer Group Waiver Plan with a wrap-around secondary plan, there will be no direct Medicare Part D subsidy receipts going forward. Benefit payments expected to be paid to pension and other postretirement benefit plans' participants are as follows utilizing the current assumptions outlined above:

For the year ended December 31,	ł	Pension benefits paid	Other post- retirement benefits
2022	\$	152	\$ 12
2023		149	12
2024		145	12
2025		145	11
2026		141	11
2027 - 2031		671	53
	\$	1,403	\$ 111

Defined Contribution Plans

Howmet sponsors savings and investment plans in various countries, primarily in the U.S. Howmet's contributions and expenses related to these plans were \$66, \$73, and \$87 in 2021, 2020, and 2019, respectively. U.S. employees may contribute a portion of their compensation to the plans, and Howmet matches a portion of these contributions in equivalent form of the investments elected by the employee.

I. Income Taxes

The components of income from continuing operations before income taxes were as follows:

For the year ended December 31,	2021	2020	2019
United States	\$ 28	\$ 84	\$ 128
Foreign	296	87	82
Total	\$ 324	\$ 171	\$ 210

The provision for income taxes consisted of the following:

For the year ended December 31,	2021	2020	2019
Current:			
Federal ⁽¹⁾	\$ (9) \$ (2)	\$ —
Foreign	39	2	86
State and local	(2) (2)	_
	28	(2)	86
Deferred:			
Federal	22	(67)	33
Foreign	11		(41)
State and local	5	18	6
	38	(38)	(2)
Total	\$ 66	\$ (40)	\$ 84

⁽¹⁾ Includes U.S. taxes related to foreign income.

A reconciliation of the U.S. federal statutory rate to Howmet's effective tax rate was as follows (the effective tax rate for 2021 and 2019 was a provision on income and 2020 was a benefit on income):

For the year ended December 31,	2021	2020	2019
U.S. federal statutory rate	21.0 %	21.0 %	21.0 %
Foreign tax rate differential	(0.7)	(1.2)	10.9
U.S. and residual tax on foreign earnings ⁽¹⁾	6.5	5.6	15.3
U.S. State and local taxes	1.0	2.2	0.8
Federal (cost) benefit of state tax	(0.3)	(2.0)	1.2
Permanent differences related to asset disposals and items included in restructuring and other charges	(0.3)	6.8	(1.3)
Non-deductible officer compensation	1.6	3.5	4.9
Statutory tax rate and law changes ⁽²⁾	1.0	(15.9)	(0.6)
Tax holidays	(0.4)	(0.4)	(8.2)
Tax credits ⁽³⁾	(10.4)	(0.4)	(1.3)
Changes in valuation allowances ⁽⁴⁾	5.1	74.8	(52.2)
Changes in uncertain tax positions ⁽⁵⁾	—	(116.9)	0.3
Prior year tax adjustments ⁽⁶⁾	(3.7)	(1.7)	44.3
Other	—	1.2	4.9
Effective tax rate	20.4 %	(23.4)%	40.0 %

⁽¹⁾ It is Howmet's policy to treat taxes due from future inclusions in U.S. taxable income related to GILTI as a current period expense when incurred.

⁽²⁾ In 2020, final regulations were issued that provided an election to exclude from GILTI any foreign earnings subject to a local country tax rate of at least 90% of the U.S. tax rate. The Company recorded a \$30 benefit related to this tax law change.

⁽³⁾ In 2021, a \$32 benefit for income tax credits related to development incentives in Hungary was recognized.

⁽⁴⁾ In 2020, a \$104 valuation allowance was recorded related to deferred tax assets that were previously subject to a reserve that was otherwise released in 2020 as a result of a favorable Spanish tax case decision. In 2019, the Company released a \$112 valuation allowance related to 2015 and 2016 foreign tax credits, subsequent to filing U.S. amended tax returns to deduct, rather than credit, foreign taxes.

⁽⁵⁾ In 2020, the Company released a \$64 reserve liability and a \$104 reserve recorded as a contra balance against deferred tax assets as a result of a favorable Spanish tax case decision. A \$30 benefit related to a previously uncertain U.S. tax position was also recognized in 2020.

⁽⁶⁾ In 2019, the Company filed U.S. amended tax returns to deduct, rather than credit, 2015 and 2016 foreign taxes resulting in a \$112 tax cost associated with the write-off of the deferred tax asset for the credit, partially offset by a \$24 tax benefit for the deduction.

The components of net deferred tax assets and liabilities were as follows:

	2021				2020				
December 31,		Deferred tax assets	Deferred tax liabilities		Deferred tax assets			Deferred tax liabilities	
Depreciation	\$	8	\$	538	\$	21	\$	506	
Employee benefits		300		3		364			
Loss provisions		20		1		24		1	
Deferred income/expense		50		1,098		41		1,033	
Interest		105		—		3			
Tax loss carryforwards		3,226		—		3,267			
Tax credit carryforwards		358		—		378			
Other		10		7		7		13	
	\$	4,077	\$	1,647	\$	4,105	\$	1,553	
Valuation allowance		(2,279)		—		(2,307)			
	\$	1,798	\$	1,647	\$	1,798	\$	1,553	

The following table details the expiration periods of the deferred tax assets presented above:

December 31, 2021	Expires within 10 years	Expires within 11-20 years	No Expiration ⁽¹⁾	Other ⁽²⁾	Total
Tax loss carryforwards	\$ 422	\$ 580	\$ 2,224	\$ _	\$ 3,226
Tax credit carryforwards	278	66	14	—	358
Other ⁽³⁾			424	69	493
Valuation allowance	(637)	(293)	(1,329)	(20)	(2,279)
	\$ 63	\$ 353	\$ 1,333	\$ 49	\$ 1,798

⁽¹⁾ Deferred tax assets with no expiration may still have annual limitations on utilization.

⁽²⁾ Other represents deferred tax assets whose expiration is dependent upon the reversal of the underlying temporary difference.

⁽³⁾ A substantial amount of Other deferred tax assets relates to employee benefits that will become deductible for tax purposes in jurisdictions with unlimited expiration over an extended period of time as contributions are made to employee benefit plans and payments are made to retirees.

The total deferred tax asset (net of valuation allowance) is supported by projections of future taxable income exclusive of reversing temporary differences (10%), and taxable temporary differences that reverse within the carryforward period (90%).

Valuation allowances are recorded to reduce deferred tax assets when it is more likely than not (greater than 50%) that a tax benefit will not be realized. In evaluating the need for a valuation allowance, management considers all potential sources of taxable income, including income available in carryback periods, future reversals of taxable temporary differences, projections of taxable income, and income from tax planning strategies, as well as all available positive and negative evidence. Positive evidence includes factors such as a history of profitable operations, projections of future profitability within the carryforward period, including from tax planning strategies, and Howmet's experience with similar operations. Existing favorable contracts and the ability to sell products into established markets are additional positive evidence. Negative evidence includes items such as cumulative losses, projections of future losses, or carryforward periods that are not long enough to allow for the utilization of a deferred tax asset based on existing projections of income. Deferred tax assets for which no valuation allowance is recorded may not be realized upon changes in facts and circumstances, resulting in a future charge to establish a valuation allowance. Existing valuation allowances are re-examined under the same standards of positive and negative evidence. If it is determined that it is more likely than not that a deferred tax asset will be realized, the appropriate amount of the valuation allowance, if any,

is released. Deferred tax assets and liabilities are also remeasured to reflect changes in underlying tax rates due to law changes and the granting and lapse of tax holidays.

It is Howmet's policy to apply a tax law ordering approach when considering the need for a valuation allowance on net operating losses expected to offset GILTI income inclusions. Under this approach, reductions in cash tax savings are not considered as part of the valuation allowance assessment. Instead, future GILTI inclusions are considered a source of taxable income that support the realizability of deferred tax assets.

Howmet's foreign tax credits in the United States have a 10-year carryforward period with expirations ranging from 2022 to 2027 (as of December 31, 2021). Valuation allowances were initially established in prior years on a portion of the foreign tax credit carryforwards, primarily due to insufficient foreign source income to allow for full utilization of the credits within the expiration period. Foreign tax credits of \$22 and \$88 expired at the end of 2021 and 2019, respectively, resulting in a corresponding decrease to the valuation allowance. The valuation allowance was also reduced in 2021 by \$9 as a result of updated U.S. regulatory guidance concerning the utilization of foreign tax credits in connection with the one-time transition tax on the deemed repatriation of previously non-taxed post-1986 earnings and profits of certain foreign tax credits. The valuation allowance was also reduced by \$113 in 2019 as a result of the Company filing amended tax returns to deduct foreign taxes that were previously claimed as a U.S. foreign tax credit. At December 31, 2021, the cumulative amount of the valuation allowance was \$180. The need for this valuation allowance will be reassessed on a continuous basis in future periods and, as a result, the allowance may increase or decrease based on changes in facts and circumstances.

During 2021, the Company concluded that it would not pursue a deduction related to a capital investment for which a deferred tax asset of \$9 and offsetting valuation allowance had previously been recorded. As such, both the deferred tax asset and the valuation allowance were eliminated. The need for valuation allowances against other capital investments will be reassessed on a continuing basis. As of December 31, 2021, there is no valuation allowance recorded related to capital investments.

The Company recorded a net \$3 increase, \$20 increase, and \$11 decrease to U.S. state valuation allowances in 2021, 2020 and 2019, respectively. After weighing all available positive and negative evidence, the Company determined the adjustments based on the underlying net deferred tax assets that were more likely than not realizable based on projected taxable income. Changes in fully reserved U.S. state tax losses, credits and other deferred tax assets resulting from expirations, audit adjustments, tax rate, and tax law changes also resulted in a corresponding net \$20 increase, \$58 decrease, and \$5 increase in the valuation allowance in 2021, 2020, and 2019, respectively. Valuation allowances of \$632 remain against state deferred tax assets expected to expire before utilization. The need for valuation allowances against state deferred tax assets will be reassessed on a continuous basis in future periods and, as a result, the allowance may increase or decrease based on changes in facts and circumstances.

In 2021, after weighing all available evidence, the Company recognized a discrete income tax cost to establish a valuation allowance of \$8 in Switzerland. In 2020, the Company increased a valuation allowance by \$104 as a result of releasing a tax reserve following a favorable Spanish tax case decision. The need for valuation allowances will be reassessed by entity and by jurisdiction on a continuous basis in future periods and, as a result, the allowances may increase or decrease based on changes in facts and circumstances.

The following table details the changes in the valuation allowance:

December 31,	2021	2020	2019	
Balance at beginning of year	\$ 2,307	\$ 2,121	\$	2,357
Increase to allowance	113	136		19
Release of allowance	(94)	(50)		(211)
Acquisitions and divestitures		—		(2)
Tax apportionment, tax rate and tax law changes	63	(23)		(13)
Foreign currency translation	(110)	123		(29)
Balance at end of year	\$ 2,279	\$ 2,307	\$	2,121

Foreign U.S. GAAP earnings that have not otherwise been subject to U.S. tax, will generally be exempt from future U.S. tax under the 2017 Act when distributed. Such distributions, as well as distributions of previously taxed foreign earnings, could potentially be subject to U.S. state tax in certain states, and foreign withholding taxes. Foreign currency gains/losses related to the translation of previously taxed earnings from functional currency to U.S. dollars could also be subject to U.S. tax when distributed. The Company has made the determination to no longer permanently reinvest earnings in certain subsidiaries and has consequently recognized \$9 of tax charges related to withholding tax and capital gains on amounts distributable in those entities in excess of tax basis. To the extent that additional earnings are distributed from other foreign subsidiaries, Howmet

would expect the potential withholding tax, U.S. state tax, and U.S. capital gains tax impacts to be immaterial and the potential deferred tax liability associated with future currency gains to be impracticable to determine.

Howmet and its subsidiaries file income tax returns in the U.S. federal jurisdiction and various states and foreign jurisdictions. With a few minor exceptions, Howmet is no longer subject to income tax examinations by tax authorities for years prior to 2014. All U.S. tax years prior to 2021 have been audited by the Internal Revenue Service. Various state and foreign jurisdiction tax authorities are in the process of examining the Company's income tax returns for various tax years through 2020. The Company had net cash income tax payments of \$53 and \$122 in 2021 and 2019, respectively, and net cash refunds of \$33 in 2020.

A reconciliation of the beginning and ending amount of unrecognized tax benefits (excluding interest and penalties) was as follows:

December 31,	2021	2020	2019
Balance at beginning of year	\$ 2	\$ 176	\$ 148
Additions for tax positions of the current year	—	—	34
Additions for tax positions of prior years	_	_	_
Reductions for tax positions of prior years	—	(182)	(1)
Settlements with tax authorities	—	(1)	—
Expiration of the statute of limitations	—	—	(2)
Foreign currency translation		9	(3)
Balance at end of year	\$ 2	\$ 2	\$ 176

For all periods presented, a portion of the balance pertains to state tax liabilities, which are presented before any offset for federal tax benefits. The effect of unrecognized tax benefits, if recorded, that would impact the annual effective tax rate for 2021, 2020, and 2019 would be approximately 1%, 1%, and 36%, respectively, of pre-tax book income. Howmet does not anticipate that changes in its unrecognized tax benefits will have a material impact on the Statement of Consolidated Operations during 2022.

It is Howmet's policy to recognize interest and penalties related to income taxes as a component of the Provision for income taxes in the Statement of Consolidated Operations. Howmet recognized interest of less than \$1, \$2, and \$6 in 2021, 2020, and 2019, respectively. Due to the expiration of the statute of limitations, settlements with tax authorities, reductions in prior accruals, and refunded overpayments, Howmet recognized interest income of \$3, \$25, and less than \$1 in 2021, 2020, and 2019, respectively. As of December 31, 2021, 2020, and 2019, the amount accrued for the payment of interest and penalties was less than \$1, \$2, and \$23, respectively.

J. Preferred and Common Stock

Preferred Stock. Howmet has two classes of preferred stock: \$3.75 Cumulative Preferred Stock ("Class A Preferred Stock") and Class B Serial Preferred Stock. Class A Preferred Stock has 660,000 shares authorized at a par value of \$100 per share with an annual \$3.75 cumulative dividend preference per share. There were 546,024 shares of Class A Preferred Stock outstanding at December 31, 2021 and 2020. Class B Serial Preferred Stock has 10,000,000 shares authorized as a par value of \$1 per share. There were no shares of Class B Serial Preferred Stock outstanding at December 31, 2021 and 2020. Class B Serial Preferred Stock has 2020.

Common Stock. At December 31, 2021, there were 600,000,000 shares authorized and 421,691,912 shares issued and outstanding. Dividends paid were \$0.04 per share in 2021 (\$0.02 per share in each of the third and fourth quarters of 2021), \$0.02 per share in 2020 (all in the first quarter of 2020), and \$0.12 per share in 2019 (\$0.06 per share in the first quarter of 2019 and \$0.02 per share in each of the second, third, and fourth quarters of 2019).

As of December 31, 2021, 47 million shares of common stock were reserved for issuance under Howmet's stock-based compensation plans. As of December 31, 2021, 31 million shares remain available for issuance. Howmet issues new shares to satisfy the exercise of stock options and the conversion of stock awards.

In July 2015, through the acquisition of RTI International Metals Inc. ("RTI"), the Company assumed the obligation to repay two tranches of convertible debt; one tranche was due and settled in cash on December 1, 2015 (principal amount of \$115) and the other tranche was due and settled in cash on October 15, 2019 (principal amount of \$403). No shares of the Company's common stock were issued in connection with the maturity or final conversion of this convertible debt.

Common Stock Outstanding and Share Activity (number of shares)

0	
Balance at December 31, 2018	483,270,717
Issued for stock-based compensation plans	4,436,830
Repurchase and retirement of common stock	(54,852,364)
Balance at December 31, 2019	432,855,183
Issued for stock-based compensation plans	3,896,119
Repurchase and retirement of common stock	(3,844,925)
Balance at December 31, 2020	432,906,377
Issued for stock-based compensation plans	2,195,681
Repurchase and retirement of common stock	(13,410,146)
Balance at December 31, 2021	421,691,912

The following table provides details for share repurchases during 2021, 2020, and 2019:

	Number of shares	Average price per share ⁽¹⁾	Total
May 2021/June 2021 accelerated share repurchase ("ASR") total	5,878,791	\$34.02	\$200
August 2021 open market repurchase	769,274	\$32.50	\$25
October 2021 open market repurchase	879,307	\$30.71	\$27
November 2021 open market repurchase	2,336,733	\$30.79	\$72
December 2021 open market repurchase	3,546,041	\$29.91	\$106
2021 Share repurchase total	13,410,146	\$32.07	\$430
August/September 2020 open market repurchase	2,907,094	\$17.36	\$51
November 2020 open market repurchase	937,831	\$23.99	\$22
2020 Share repurchase total	3,844,925	\$18.98	\$73
February 2019 ASR total	36,434,423	\$19.21	\$700
May 2019 ASR total	9,016,981	\$22.18	\$200
August 2019 ASR total	7,774,279	\$25.73	\$200
November 2019 open market repurchase	1,626,681	\$30.74	\$50
2019 Share repurchase total	54,852,364	\$20.97	\$1,150

⁽¹⁾ Excludes commissions cost.

The total value of shares repurchased during 2021, 2020, and 2019 were \$430, \$73, and \$1,150, respectively. All of the shares repurchased during 2021, 2020, and 2019 were immediately retired. After giving effect to the share repurchases made through December 31, 2021, approximately \$1,347 remained available for share repurchases as of January 1, 2022 under the prior authorizations by the Board. Under the Company's share repurchase programs (the "Share Repurchase Programs"), the Company may repurchase shares by means of trading plans established from time to time in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934, as amended, block trades, private transactions, open market repurchases and/or accelerated share repurchase agreements or other derivative transactions. There is no stated expiration for the Share Repurchase Programs. Under its Share Repurchase Programs, the Company may repurchase shares from time to time, in amounts, at prices, and at such times as the Company deems appropriate, subject to market conditions, legal requirements and other considerations, including limits under the Company's Five-Year Revolving Credit Agreement (see <u>Note R</u>). The Company is not obligated to repurchase any specific number of shares or to do so at any particular time, and the Share Repurchase Programs may be suspended, modified or terminated at any time without prior notice.



In January 2022, the Company repurchased approximately 3 million shares of its common stock under the Share Repurchase Programs at an average price of \$33.81 per share (excluding commissions cost) for approximately \$100 in cash. After the share repurchases made through January 31, 2022, approximately \$1,247 remains authorized for common stock share repurchases. Fully diluted shares outstanding as of January 31, 2022 were approximately 425 million.

Stock-Based Compensation

Howmet has a stock-based compensation plan under which stock options and/or restricted stock unit awards are granted, generally, in the first half of each year to eligible employees. Stock options are granted at the closing market price of Howmet's common stock on the date of grant and typically vest over a three-year service period (1/3 each year) with a ten-year contractual term. Restricted stock unit awards typically vest over a three-year service period from the date of grant. As part of Howmet's stock-based compensation plan design, individuals who are retirement-eligible have a six-month requisite service period in the year of grant. Certain of the restricted stock unit awards include performance and market conditions and are granted to certain eligible employees. In 2020 and 2019, performance stock awards were granted to a senior executive that vest either based on achievement of the Arconic Inc. Separation Transaction (see <u>Note C</u> for further details) or the achievement of certain stock price thresholds. For performance stock awards granted in 2020, the final number of shares earned will be based on Howmet's achievement of profitability targets over the respective performance periods and will be earned at the end of the third year. Performance stock awards granted in the first quarter of 2019 were converted to restricted stock unit awards (at target), in order to address the pending Arconic Inc. Separation Transaction. For performance stock awards granted in 2018, in order to address the pending Arconic Inc. Separation Transaction. For performance stock awards achievement of sales and profitability targets over performance periods in 2018 and 2019. Additionally, the annual 2021 and 2020 performance stock awards wards will be scaled by a total shareholder return ("TSR") multiplier, which depends upon relative performance against the TSRs of a group of peer companies.

In conjunction with their employment agreements, certain current and former executives were granted cash bonus awards based on the achievement of certain stock price thresholds. These awards are liability classified and were marked-to-market each quarter using a Monte Carlo simulation. The stock price thresholds were fully reached. The cash payment of \$23 occurred in 2021 in accordance with the terms of the agreements.

In 2021, 2020, and 2019, Howmet recognized stock-based compensation expense of \$40 (\$36 after-tax), \$46 (\$42 after-tax), and \$69 (\$63 after-tax), respectively. Senior executive performance awards granted in April 2020 were modified in June 2020, resulting in incremental compensation expense of \$12, which is amortized over the remaining service period ending April 1, 2023. Additionally, the effect of the Arconic Inc. Separation Transaction was a modification of the original stock options and restricted stock award units. The modifications were designed with the intention that the intrinsic value of the stock option or stock award were the same both previous to and after the adjustments. An immaterial charge was recorded to Restructuring and other charges related to the modification.

Substantially all compensation expense recorded in 2021 relates to restricted stock unit awards. Cash bonus awards of \$2 and \$21 were recorded in 2020, and 2019, respectively. Of the remaining stock-based compensation expense in 2020 and 2019, more than 95% relates to restricted stock unit awards. No stock-based compensation expense was capitalized in any of those years. Stock-based compensation expense was reduced by \$2 in 2021 and \$3 in 2019 for certain executive pre-vest cancellations, which were recorded in Restructuring and other charges within the Statement of Consolidated Operations. At December 31, 2021, there was \$68 (pre-tax) of unrecognized compensation expense related to non-vested restricted stock unit award grants. This expense is expected to be recognized over a weighted average period of 1.8 years.

Stock-based compensation expense is based on the grant date fair value of the applicable equity grant. For restricted stock unit awards, the fair value is equivalent to the closing market price of Howmet's common stock on the date of grant. The weighted average grant date fair value per share of the 2021 and 2020 performance stock awards with a market condition scaled by a TSR multiplier is \$43.41 and \$21.33, respectively. The weighted average grant date fair value per share of the April 2020 senior executive performance stock awards with a market condition (achievement of certain stock price thresholds) is \$2.57. The weighted average grant date fair value per share of the 2019 performance stock awards with a market condition (achievement of certain stock price thresholds) is \$11.93. The 2021, 2020, and 2019 performance awards were valued using a Monte Carlo model. A Monte Carlo simulation uses assumptions of stock price behavior to estimate the probability of satisfying market conditions and the resulting fair value of the award. The risk-free interest rate (0.2% in 2021, 0.3% in 2020, and in 1.6% in 2019) was based on a yield curve of interest rates at the time of the grant based on the remaining performance period. In 2021 and 2020, volatility of 56.0% and 48.3%, respectively, was estimated using a blended rate of Howmet's historical volatility and a peer-based volatility due to the Arconic Inc. Separation Transaction and the related changes in the nature of the business. In 2019, volatility of 33.4% was estimated using implied and historical volatility. There were no stock options issued in 2021, 2020, and 2019.



The activity for stock options and stock awards during 2021 was as follows (options and awards in millions):

	Stock	options	Stock awards				
	Number of options	Weighted average exercise price per option	Number of awards	Weighted average FMV per award			
Outstanding, December 31, 2020	3	\$ 24.47	9	\$ 13.68			
Granted	—	—	2	32.15			
Exercised	(1)	21.70	—	—			
Converted	—	—	(2)	19.52			
Expired or forfeited		34.68	(1)	20.94			
Outstanding, December 31, 2021	2	\$ 23.64	8	\$ 16.19			

As of December 31, 2021, the stock options outstanding had a weighted average remaining contractual life of 2.6 years and a total intrinsic value of \$15. All of the stock options outstanding were fully vested and exercisable. In 2021, 2020, and 2019, the cash received from stock option exercises was \$22, \$33, and \$56 and the total tax benefit realized from these exercises was \$2, \$3, and \$4, respectively. The total intrinsic value of stock options exercised during 2021, 2020, and 2019 was \$10, \$14, and \$17, respectively. The total intrinsic value of stock awards converted during 2021, 2020, and 2019 was \$55, \$104, and \$48, respectively.

K. Earnings Per Share

Basic earnings per share ("EPS") amounts are computed by dividing earnings, after the deduction of preferred stock dividends declared, by the average number of common shares outstanding. Diluted EPS amounts assume the issuance of common stock for all potentially dilutive share equivalents outstanding.

The information used to compute basic and diluted EPS attributable to Howmet common shareholders was as follows (shares in millions):

For the year ended December 31,	2021	2020	2019
Net income from continuing operations	\$ 258	\$ 211	\$ 126
Less: preferred stock dividends declared	2	2	2
Net income from continuing operations attributable to common shareholders	256	209	124
Income from discontinued operations	—	50	344
Net income attributable to common shareholders - basic	256	259	468
Add: interest expense related to convertible notes	—	—	9
Net income attributable to common shareholders - diluted	\$ 256	\$ 259	\$ 477
Average shares outstanding - basic	430	435	446
Effect of dilutive securities:			
Stock options	—	—	1
Stock and performance awards	5	4	5
Convertible notes ⁽¹⁾			11
Average shares outstanding - diluted	435	439	463

⁽¹⁾ The convertible notes matured on October 15, 2019 (see <u>Note R</u>). No shares of the Company's common stock were issued in connection with the maturity or the final conversion of the convertible notes. As of October 15, 2019, the calculation of average diluted shares outstanding ceased to include the approximately 15 million shares of common stock and the corresponding interest expense previously attributable to the convertible notes.

Common stock outstanding at December 31, 2021 and 2020 was approximately 422 million and 433 million, respectively.

The 5 million decrease in average shares outstanding (basic) for the year ended December 31, 2021 compared to the year ended December 31, 2020 was primarily due to the 13 million shares repurchased during 2021. As average shares outstanding are used in the calculation for both basic and diluted EPS, the full impact of share repurchases was not realized in EPS for the year ended December 31, 2021 as share repurchases occurred at varying points during the year ended December 31, 2021.

The following shares were excluded from the calculation of average shares outstanding – diluted as their effect was anti-dilutive (shares in millions).

For the year ended December 31,	2021	2020	2019
Stock options	_	1	1

L. Accumulated Other Comprehensive Loss

The following table details the activity of the four components that comprise Accumulated other comprehensive loss:

	2021		2020		2019
Pension and other postretirement benefits (<u>H</u>)					
Balance at beginning of period	\$	(980)	\$	(2,732)	\$ (2,344)
Other comprehensive income (loss):					
Unrecognized net actuarial gain (loss) and prior service cost/benefit		111		(211)	(587)
Tax (expense) benefit		(26)		48	 129
Total Other comprehensive income (loss) before reclassifications, net of tax		85		(163)	(458)
Amortization of net actuarial loss and prior service cost ⁽¹⁾		123		149	 90
Tax expense ⁽²⁾		(27)		(32)	(20)
Total amount reclassified from Accumulated other comprehensive loss, net of tax ⁽³⁾		96		117	 70
Total Other comprehensive income (loss)		181		(46)	 (388)
Transfer to Arconic Corporation		—		1,798	
Balance at end of period	\$	(799)	\$	(980)	\$ (2,732)
Foreign currency translation					
Balance at beginning of period	\$	(966)	\$	(596)	\$ (583)
Other comprehensive (loss) income ⁽⁴⁾		(96)		58	(13)
Transfer to Arconic Corporation		—		(428)	
Balance at end of period	\$	(1,062)	\$	(966)	\$ (596)
Debt securities					
Balance at beginning of period	\$	—	\$	—	\$ (3)
Other comprehensive income ⁽⁵⁾		—		—	3
Balance at end of period	\$	_	\$	_	\$
Cash flow hedges					
Balance at beginning of period	\$	3	\$	(1)	\$ 4
Adoption of accounting standard ⁽⁶⁾		—		—	(2)
Other comprehensive income (loss):					
Net change from periodic revaluations		20		_	(9)
Tax benefit		(4)			 3
Total Other comprehensive income (loss) before reclassifications, net of tax		16		—	(6)
Net amount reclassified to earnings		(26)		6	4
Tax benefit (expense) ⁽²⁾		5		(2)	 (1)
Total amount reclassified from Accumulated other comprehensive (loss) income, net of $tax^{(3)}$		(21)		4	 3
Total Other comprehensive (loss) income		(5)		4	(3)
Balance at end of period	\$	(2)	\$	3	\$ (1)
Accumulated other comprehensive loss balance at end of period	\$	(1,863)	\$	(1,943)	\$ (3,329)

⁽¹⁾ These amounts were recorded in Other expense, net (see <u>Note G</u>) and Restructuring and other charges (see <u>Note E</u>) in the Statement of Consolidated Operations.

⁽²⁾ These amounts were included in Provision (benefit) for income taxes (see <u>Note I</u>) in the Statement of Consolidated Operations.

⁽³⁾ A positive amount indicates a corresponding charge to earnings and a negative amount indicates a corresponding benefit to earnings.

⁽⁴⁾ In all periods presented, no amounts were reclassified to earnings.

⁽⁵⁾ Realized gains and losses were included in Other expense, net, in the Statement of Consolidated Operations.

⁽⁶⁾ Adjustment was related to eliminating the separate measurement of hedge ineffectiveness as part of the adoption of new hedge accounting guidance.

M. Receivables

Sale of Receivables Programs

The Company has historically maintained two accounts receivables securitization arrangements. The net cash funding from the sale of accounts receivable was neither a use of cash nor a source of cash during 2021.

The first was an arrangement with financial institutions to sell certain customer receivables without recourse on a revolving basis (the "Receivables Sale Program") and was terminated on August 30, 2021. This arrangement historically provided up to a maximum funding of \$300 for receivables sold. The Company maintained a beneficial interest, or a right to collect cash, on the sold receivables that have not been funded (deferred purchase program receivable). In connection with the termination, the Company repurchased the remaining \$211 of unpaid receivables, paying \$160 in cash and reducing the \$51 deferred purchase program receivable to zero (in a non-cash transaction).

The Company had net cash repayments totaling \$44 (\$41 in draws and \$85 in repayments) in 2021 and net cash repayments totaling \$146 (\$207 in draws and \$353 in repayments) in 2020.

As of December 31, 2021, there was no deferred purchase program receivable included in Other receivables in the Consolidated Balance Sheet. As of December 31, 2020, the deferred purchase program receivable was \$12, which was included in Other receivables in the Consolidated Balance Sheet. The deferred purchase program receivable was reduced as collections of the underlying receivables occurred.

Cash receipts from customer payments on sold receivables (which were cash receipts on the underlying trade receivables that had been previously sold) as well as cash receipts and cash disbursements from draws and repayments under the program were presented as cash receipts from sold receivables within investing activities in the Statement of Consolidated Cash Flows through the termination of the Receivables Sale Program on August 30, 2021. As a result of the termination, there were no additional changes related to cash receipts from sold receivables within investing activities in the Statement of Consolidated Cash Flows in the fourth quarter of 2021.

The second accounts receivables securitization arrangement is one in which the Company, through a wholly-owned special purpose entity ("SPE"), has a receivables purchase agreement (the "Receivables Purchase Agreement") such that the SPE may sell certain receivables to financial institutions until the earlier of August 30, 2024 or a termination event. The Receivables Purchase Agreement also contains customary representations and warranties, as well as affirmative and negative covenants. Pursuant to the Receivables Purchase Agreement, the Company does not maintain effective control over the transferred receivables, and therefore accounts for these transfers as sales of receivables.

Cash received from collections of sold receivables is used by the SPE to fund additional purchases of receivables on a revolving basis. This arrangement historically provided up to a maximum funding of \$125 for receivables sold. On August 30, 2021, the Company entered into an amendment to add the subsidiaries that were previously part of the terminated Receivables Sale Program and, as a result, the maximum funding limit was increased by \$200 to \$325. The SPE sold the \$211 of receivables, which were repurchased as a result of the termination of the Receivables Sale Program, in exchange for cash.

The Company sold \$1,057 of its receivables without recourse and received cash funding under this program during 2021, resulting in derecognition of the receivables from the Company's Consolidated Balance Sheet. As of December 31, 2021 and December 31, 2020, \$250 and \$46, respectively, remained outstanding from the customer. As collateral against the sold receivables, the SPE maintains a certain level of unsold receivables, which was \$79 and \$33 at December 31, 2021 and December 31, 2021 and December 31, 2020, respectively. Costs associated with the sales of receivables are reflected in the Company's Consolidated Statements of Operations for the periods in which the sales occur. Cash receipts from sold receivables under the Receivables Purchase Agreement, excluding the receipts associated with the August 30, 2021 termination of the Receivables Sale Program, are presented within operating activities in the Statement of Consolidated Cash Flows.

The Company had accounts receivable securitization arrangements totaling \$325 at December 31, 2021, of which \$250 was drawn. The Company had accounts receivable securitization arrangements totaling \$425 at December 31, 2020, of which \$250 was drawn.

Other Customer Receivable Sales

In 2021, the Company sold \$368 of certain customer's receivables in exchange for cash (of which \$109 remained outstanding from the customer at December 31, 2021), the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows.



In 2020, the Company sold \$181 of certain customers' receivables in exchange for cash (of which \$50 remained outstanding from the customer at December 31, 2020), the proceeds from which are presented in changes in receivables within operating activities in the Statement of Consolidated Cash Flows.

N. Inventories				
December 31,	2021	2020		
Finished goods	\$ 478	\$	528	
Work-in-process	631		629	
Purchased raw materials	256		292	
Operating supplies	 37		39	
Total inventories	\$ 1,402	\$	1,488	

At December 31, 2021 and 2020, the portion of inventories valued on a LIFO basis was \$523 and \$458, respectively. These amounts exclude the effects of LIFO valuation reductions, which were \$192 and \$131 at December 31, 2021 and 2020, respectively.

O. Properties, Plants, and Equipment, Net

	December 31, 2021	December 31, 2020
Land and land rights	\$ 91	\$ 98
Structures	1,034	1,033
Machinery and equipment	3,932	3,879
	5,057	5,010
Less: accumulated depreciation and amortization	2,772	2,626
	2,285	2,384
Construction work-in-progress	182	208
Properties, plants, and equipment, net	\$ 2,467	\$ 2,592

During the second quarter of 2019, the Company updated its five-year strategic plan and determined that there was a decline in the forecasted financial performance for the Disks asset group within the Engineered Products and Forgings segment at that time. As such, the Company evaluated the recoverability of the Disks asset group long-lived assets by comparing the carrying value to the undiscounted cash flows of the Disks asset group. The carrying value exceeded the undiscounted cash flows and therefore the Disks asset group long-lived assets were deemed to be impaired. The impairment charge was measured as the amount of carrying value in excess of fair value of the long-lived assets, with fair value determined using a DCF model and a combination of sales comparison and cost approach valuation methods, including an estimate for economic obsolescence. The impairment charge of \$428, of which \$247 and \$181 related to the Engine Products and Engineered Structures segments, respectively, recorded in the second quarter of 2019 impacted properties, plants, and equipment; intangible assets; and certain other noncurrent assets by \$198, \$197, and \$33, respectively. The impairment charge was recorded in Restructuring and other charges in the Statement of Consolidated Operations in 2019.

Depreciation expense related to Properties, plants, and equipment recorded in Provision for depreciation and amortization in the Statement of Consolidated Operations was \$232, \$236, and \$234 for the years ended December 31, 2021, 2020, and 2019, respectively.

P. Goodwill and Other Intangible Assets

The following table details the changes in the carrying amount of goodwill:

	Engine Products	5	Fastening Systems		Engineered Structures	Forged Wheels		Total
Balances at December 31, 2019			<u> </u>					
Goodwill	\$ 2,883	\$	1,607	\$	289	\$ 7	\$	4,786
Accumulated impairment losses	(719)							(719)
Goodwill, net	2,164		1,607		289	7		4,067
Impairment (See <u>Note U</u>)				_	(2)			(2)
Translation and other	24		13		—	—		37
Transfer from Engine Products to Engineered Structures ⁽¹⁾	(17)		—		17	—		
Balances at December 31, 2020								
Goodwill	2,890		1,620		306	7		4,823
Accumulated impairment losses	(719)		—		(2)	—		(721)
Goodwill, net	2,171		1,620	_	304	7	_	4,102
Impairment (See <u>Note U</u>)			(4)		_			(4)
Translation and other	(22)		(9)			_		(31)
Balances at December 31, 2021								
Goodwill	2,868		1,611		306	7		4,792
Accumulated impairment losses	(719)		(4)	_	(2)			(725)
Goodwill, net	\$ 2,149	\$	1,607	\$	304	\$ 7	\$	4,067

⁽¹⁾ In the first quarter of 2020, the Savannah operations was transferred from the Engine Products segment to the Engineered Structures segment and, as a result, goodwill of \$17 was reallocated.

During the 2021 annual review of goodwill in the fourth quarter, management elected to perform qualitative assessments on the Engine Products and Forged Wheels reporting units and performed quantitative impairment tests on the Engineered Structures and Fastening Systems reporting units. The estimated fair values for the Engineered Structures and Fastening Systems reporting units exceeded their respective carrying values by approximately 30% and 50%, respectively; thus, there were no goodwill impairments. Under the quantitative impairment test, the evaluation of impairment involves comparing the current fair value of each reporting unit to its carrying value, including goodwill. Howmet uses a discounted cash flow ("DCF") model to estimate the current fair value of its reporting units when testing for impairment, as management believes forecasted cash flows are the best indicator of such fair value. A number of significant assumptions and estimates are involved in the application of the DCF model to forecast operating cash flows, including sales growth, production costs, capital spending, and discount rate. Assumptions can vary among the reporting units. Cash flow forecasts are generally based on approved business unit operating plans for the early years and historical relationships in later years. The WACC rate for the individual reporting units is estimated with the assistance of valuation experts. The annual goodwill impairment tests in the fourth quarter of 2021, 2020, and 2019 indicated that goodwill was not impaired for any of the Company's reporting units. If actual results or external market factors decline significantly from management's estimates, future goodwill impairment charges (or the amount by which the carrying amount exceeds the reporting unit's fair value without exceeding the total amount of goodwill allocated to that reporting unit) may be necessary and could be material.

During the first quarter of 2020, Howmet's market capitalization declined significantly compared to the fourth quarter of 2019. Over the same period, the equity value of our peer group companies and the overall U.S. stock market also declined significantly amid market volatility. In addition, as a result of the COVID-19 pandemic and measures designed to contain the spread, global sales to customers in the aerospace and commercial transportation industries impacted by COVID-19 had been and were expected to be negatively impacted, compared to 2019, as a result of disruption in demand. As a result of these macroeconomic factors, we performed a qualitative impairment test to evaluate whether it is more likely than not that the fair value of any of our reporting units is less than its carrying value. As a result of this assessment, the Company performed a quantitative impairment test in the first quarter of 2020 for the Engineered Structures reporting unit and concluded that although the margin between the fair value of the reporting unit and carrying value had declined from approximately 60% to approximately 15%, it was not impaired. Since the first quarter of 2020, there have been no indicators of impairment identified for the Engineered Structures reporting unit or any other reporting units or indefinite-lived intangible assets.

On January 1, 2020, management performed a quantitative impairment test of the Engines Products and Engineered Structures segments in connection with the Savannah business transfer. The estimated fair value of each of these reporting units substantially exceeded their carrying value; thus, there was no goodwill impairment at the date the business was transferred.

In the second quarter of 2019, the Company performed an interim impairment evaluation of goodwill for Engine Products in connection with the impairment of the long-lived assets of the Disks asset group. The estimated fair value of the Engine Products reporting unit was substantially in excess of its carrying value; thus, there was no impairment of goodwill.

Other intangible assets were as follows:

December 31, 2021	Gross carrying amount	Accumulated amortization	Intangibles, net
Computer software	\$ 206	\$ (175)	\$ 31
Patents and licenses	67	(65)	2
Other intangibles	 686	 (202)	484
Total amortizable intangible assets	 959	(442)	 517
Indefinite-lived trade names and trademarks	32	—	32
Total intangible assets, net	\$ 991	\$ (442)	\$ 549

December 31, 2020	(Gross carrying amount	Accumulated amortization	Intangibles, net
Computer software	\$	194	\$ (169)	\$ 25
Patents and licenses		67	(65)	2
Other intangibles		700	(188)	512
Total amortizable intangible assets		961	(422)	 539
Indefinite-lived trade names and trademarks		32	_	32
Total intangible assets, net	\$	993	\$ (422)	\$ 571

During the second quarter of 2019, the Company recorded a charge of \$197 for intangible asset impairments associated with the Disks long-lived asset group which was recorded in Restructuring and other charges in the Statement of Consolidated Operations. See <u>Note O</u> for additional details.

Computer software consists primarily of software costs associated with enterprise business solutions across Howmet's businesses.

Amortization expense related to the intangible assets recorded in Provision for depreciation and amortization in the Statement of Consolidated Operations was \$36, \$40, and \$58 for the years ended December 31, 2021, 2020, and 2019, respectively, and is expected to be in the range of approximately \$34 to \$39 annually from 2022 to 2026.

Q. Leases

Operating lease cost, which included short-term leases and variable lease payments and approximated cash paid, was \$63, \$67, and \$84 in 2021, 2020, and 2019, respectively.

Operating lease right-of-use assets and lease liabilities in the Consolidated Balance Sheet were as follows:

December 31,

Right-of-use assets classified in Other noncurrent assets	\$ 108	\$ 131
Current portion of lease liabilities classified in Other current liabilities	\$ 33	\$ 38
Long-term portion of lease liabilities classified in Other noncurrent liabilities and deferred credits	81	100
Total lease liabilities	\$ 114	\$ 138

2021

Future minimum contractual operating lease obligations were as follows at December 31, 2021:

	1	0	0					
2022							\$	38
2023								28
2024								19
2025								12
2026								10
Thereafter								27
Total lease payments							\$	134
Less: Imputed interest								(20)
Present value of lease liability	ities						\$	114

December 31,	2021	2020	2019
Right-of-use assets obtained in exchange for operating lease obligations	\$ 16	\$ 35	\$ 26
Weighted-average remaining lease term in years	6	6	6
Weighted-average discount rate	5.4 %	5.6 %	5.9 %

R. Debt

Debt.

December 31,	2021	2020
5.400% Notes, due 2021 ⁽¹⁾	\$ 	\$ 361
5.870% Notes, due 2022 ⁽²⁾	—	476
5.125% Notes, due 2024	1,150	1,250
6.875% Notes, due 2025	600	1,200
5.900% Notes, due 2027	625	625
6.750% Bonds, due 2028	300	300
3.000% Notes due 2029	700	
5.950% Notes, due 2037	625	625
4.750% Iowa Finance Authority Loan, due 2042	250	250
Other ⁽³⁾	(18)	(12)
	4,232	5,075
Less: amount due within one year	5	376
Total long-term debt	\$ 4,227	\$ 4,699

⁽¹⁾ Redeemed on January 15, 2021.

⁽²⁾ Redeemed on May 3, 2021.

⁽³⁾ Includes various financing arrangements related to subsidiaries, unamortized debt discounts and unamortized debt issuance costs related to outstanding notes and bonds listed in the table above.

The principal amount of long-term debt maturing in each of the next five years is \$1,150 in 2024, \$600 in 2025, and no long-term debt maturities in each of 2022, 2023, and 2026.

Public Debt. In the third and fourth quarters of 2021, the Company repurchased an additional \$100 aggregate principal amount of its 5.125% Notes due 2024 in the open market and paid approximately \$111, including an early termination premium and accrued interest of approximately \$10 and \$1, respectively, which were recorded in Loss on debt redemption and Interest expense, net, respectively, in the Statement of Consolidated Operations.

On September 2, 2021, the Company completed a cash tender offer and repurchased approximately \$600 aggregate principal amount of its 6.875% Notes due 2025 (the "6.875% Notes"). The amount of tender premium and accrued interest associated with the notes accepted for settlement were \$105 and \$14, respectively, which were recorded in Loss on debt redemption and Interest expense, net, respectively, in the Statement of Consolidated Operations.

On September 1, 2021, the Company completed an offering of \$700 aggregate principal amount of 3.000% Notes due 2029, the proceeds of which were used to fund the cash tender offer noted above and to pay related transaction fees, including applicable premiums and expenses.

On May 3, 2021, the Company completed the early redemption of all the remaining \$476 aggregate principal amount of its 5.870% Notes due 2022 (the "5.870% Notes") and paid an aggregate of \$503, including \$5 of accrued interest. The Company also incurred an early termination premium and other costs of \$23, which was recorded in Loss on debt redemption in the Statement of Consolidated Operations.

On January 15, 2021 the Company completed the early redemption of all the remaining \$361 of its 5.400% Notes due 2021 (the "5.400% Notes") at par and paid \$5 in accrued interest.

On May 21, 2020, the Company completed a cash tender offer and repurchased \$589 and \$151 of principal amount of the 5.400% Notes and its 5.870% Notes, respectively. The amount of early tender premium and accrued interest associated with the notes accepted for early settlement were \$24 and \$4, respectively, which were recorded in Loss on debt redemption and Interest expense, net, respectively, in the Statement of Consolidated Operations.

On April 24, 2020, the Company completed an offering of \$1,200 aggregate principal amount of 6.875% Notes, the proceeds of which have been used to fund the May 2020 cash tender offers noted above and to pay related transaction fees, including applicable premiums and expenses, with the remaining amount to be used for general corporate purposes. The Company incurred deferred financing costs of \$14 associated with the issuance in the second quarter of 2020.

On April 6, 2020, the Company completed the early redemption of all \$1,000 of its 6.150% Notes due 2020 (the "6.150% Notes") and the early partial redemption of \$300 of its 5.400% Notes. Holders of the 6.150% Notes were paid an aggregate of \$1,020 and holders of the 5.400% Notes were paid an aggregate of \$315, plus accrued and unpaid interest up to, but not including, the redemption date. The Company incurred early termination premium and accrued interest of \$35 and \$17, respectively, which were recorded in Loss on debt redemption and Interest expense, net, respectively, in the Statement of Consolidated Operations.

The Company has the option to redeem certain of its notes and bonds in whole or part, at any time at a redemption price equal to the greater of principal amount or the sum of the present values of the remaining scheduled payments, discounted using a defined treasury rate plus a spread, plus in either case accrued and unpaid interest to the redemption date.

Credit Facility. On September 28, 2021, the Company amended and restated its Five-Year Revolving Credit Agreement (as so amended and restated, the "Credit Agreement"). Capitalized terms used in this "Credit Facility" section but not otherwise defined shall have the meanings given to such terms in the Credit Agreement.

The Credit Agreement provides a \$1,000 senior unsecured revolving credit facility (the "Credit Facility") that matures on September 28, 2026, unless extended or earlier terminated in accordance with the provisions of the Credit Agreement. Howmet may make two one-year extension requests during the term of the Credit Facility, subject to the lender consent requirements set forth in the Credit Agreement. Subject to the terms and conditions of the Credit Agreement, the Company may from time to time request increases in lender commitments under the Credit Facility, not to exceed \$500 in aggregate principal amount, and may also request the issuance of letters of credit, subject to a letter of credit sublimit of \$500 of the Credit Facility. Under the provisions of the Credit Agreement, based on Howmet's current long-term debt ratings, Howmet pays an annual fee of 0.23% of the total commitment to maintain the Credit Facility.

The Credit Facility is unsecured and amounts payable under it will rank pari passu with all other unsecured, unsubordinated indebtedness of Howmet. Borrowings under the Credit Facility may be denominated in U.S. dollars or euros. Loans will bear interest at a base rate or a rate equal to LIBOR (subject to the Replacement Benchmark in accordance with the terms of the Credit Agreement), plus, in each case, an applicable margin based on the credit ratings of Howmet's outstanding senior unsecured long-term debt. Based on Howmet's current long-term debt ratings, the applicable margin on base rate loans and LIBOR loans would be 0.40% and 1.40% per annum. The applicable margin is subject to change based on the Company's long-term debt ratings. Loans may be prepaid without premium or penalty, subject to customary breakage costs.

The obligation of Howmet to pay amounts outstanding under the Credit Facility may be accelerated upon the occurrence of an "Event of Default" as defined in the Credit Agreement. Such Events of Default include, among others, (a) non-payment of obligations; (b) breach of any representation or warranty in any material respect; (c) non-performance of covenants and obligations; (d) with respect to other indebtedness in a principal amount in excess of \$100, a default thereunder that causes such indebtedness to become due prior to its stated maturity or a default in the payment at maturity of any principal of such indebtedness; (e) the bankruptcy or insolvency of Howmet; and (f) a change in control of Howmet.

Under the Credit Agreement, the Company's ratio of Consolidated Net Debt to Consolidated EBITDA as of the end of each fiscal quarter for the period of the four fiscal quarters of the Company most recently ended, is required to be no greater than 3.50 to 1.00; provided, however, that during the Covenant Relief Period through December 31, 2022 (unless the Company elects to terminate the Covenant Relief Period earlier in accordance with the Credit Agreement), the Company's Consolidated Net Debt to Consolidated EBITDA ratio cannot exceed the levels set forth below:

	<u>No greater than</u>
(i) for the quarter ending December 31, 2021	4.75 to 1.00
(ii) for the quarter ending March 31, 2022	4.50 to 1.00
(iii) for the quarter ending June 30, 2022	4.50 to 1.00
(iv) for the quarter ending September 30, 2022	4.25 to 1.00
(v) for the quarter ending December 31, 2022	3.75 to 1.00

During the Covenant Relief Period, common stock dividends and share repurchases (see <u>Note J</u>) are permitted only if no loans under the Credit Agreement are outstanding at the time and were limited to an aggregate amount not to exceed \$450 during the year ended December 31, 2021 and are limited to an aggregate amount not to exceed \$500 during the year ending December 31, 2022.

The Credit Agreement includes additional covenants, including, among others, (a) limitations on Howmet's ability to incur liens securing indebtedness for borrowed money, (b) limitations on Howmet's ability to consummate a merger, consolidation or sale of all or substantially all of its assets, and (c) limitations on Howmet's ability to change the nature of its business.

There were no amounts outstanding under the Credit Agreement at December 31, 2021 and 2020, and no amounts were borrowed during 2021, 2020, or 2019 under the Credit Agreement.

In addition to the Credit Agreement, the Company had several other credit agreements that provided a borrowing capacity of \$640 as of December 31, 2019, and all of which expired in 2020. In 2020, nothing was borrowed or repaid under these arrangements. In 2019, Howmet borrowed and repaid \$400 under the respective credit arrangements. The weighted-average interest rate and weighted-average days outstanding of the respective borrowings during 2019 was 3.7% and 49 days, respectively. The purpose of any borrowings under these credit arrangements was to provide for working capital requirements and for other general corporate purposes.

Short-Term Debt. At December 31, 2021 and 2020, short-term debt was \$5 and \$14, respectively, substantially all of which related to accounts payable settlement arrangements with certain vendors and third-party intermediaries. These arrangements provide that, at the vendor's request, the third-party intermediary advances the amount of the scheduled payment to the vendor, less an appropriate discount, before the scheduled payment date, and Howmet makes payment to the third-party intermediary on the date stipulated in accordance with the commercial terms negotiated with its vendors. Howmet records imputed interest related to these arrangements in Interest expense, net in the Statement of Consolidated Operations.

S. Other Financial Instruments

Fair Value. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value hierarchy distinguishes between (i) market participant assumptions developed based on market data obtained from independent sources (observable inputs) and (ii) an entity's own assumptions about market participant assumptions developed based on the best information available in the circumstances (unobservable inputs). The fair value hierarchy consists of three broad levels, which gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described below:

- Level 1 Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities.
- Level 2 Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, including quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; inputs other than quoted prices that are observable for the asset or liability (e.g., interest rates); and inputs that are derived principally from or corroborated by observable market data by correlation or other means.
- Level 3 Inputs that are both significant to the fair value measurement and unobservable.

The carrying values of Cash and cash equivalents, restricted cash, derivatives, noncurrent receivables, and Short-term debt included in the Consolidated Balance Sheet approximate their fair value. The Company holds exchange-traded fixed income securities which are considered available-for-sale securities that are carried at fair value which is based on quoted market prices



which are classified in Level 1 of the fair value hierarchy and are included in Prepaid expenses and other current assets in the Consolidated Balance Sheet. The fair value of Long-term debt, less amounts due within one year was based on quoted market prices for public debt and on interest rates that are currently available to Howmet for issuance of debt with similar terms and maturities for non-public debt. The fair value amounts for all Long-term debt were classified in Level 2 of the fair value hierarchy.

	20	21	20)20
	Carrying	Fair	Carrying	Fair
December 31,	value	value	value	value
Long-term debt, less amounts due within one year	\$ 4,227	\$ 4,707	\$ 4,699	\$ 5,426

Restricted cash was \$2, \$1, and \$55 (see <u>Note U</u>) in 2021, 2020, and 2019, respectively, and was recorded in Prepaid expenses and other current assets on the Consolidated Balance Sheet.

T. Cash Flow Information

Cash paid for interest and income taxes for both continuing and discontinued operations was as follows:

	2021		2020		2	2019
Interest, net of amounts capitalized	\$	267	\$ 4	01	\$	340
Income taxes, net of amounts refunded	\$	53	\$ (33)	\$	122

The Company incurred capital expenditures that remain unpaid at December 31, 2021, 2020, and 2019 of \$49, \$50, and \$133 respectively, which result in cash outflows for investing activities in subsequent periods.

U. Acquisitions and Divestitures

2021 Divestitures

On June 1, 2021, the Company completed the sale of a small manufacturing plant in France within the Fastening Systems segment for \$10 (of which \$8 of cash was received in the second quarter of 2021). An agreement to sell was reached on March 15, 2021, which resulted in a charge of \$4 related to the non-cash impairment of the net book value of the business, primarily goodwill, in the first quarter of 2021 which was recorded in Restructuring and other charges in the Statement of Consolidated Operations.

2020 Divestiture

On January 31, 2020, the Company reached an agreement to sell a small manufacturing plant in the U.K. within the Engineered Structures segment for \$12 in cash, and therefore was classified as held for sale. As a result of entering into the agreement, a charge of \$12 was recognized related to a non-cash impairment of the net book value of the business, primarily properties, plants, and equipment in the first quarter of 2020, which was recorded in Restructuring and other charges in the Statement of Consolidated Operations. As the sale did not close, the Company changed the classification from held for sale to held for use in the second quarter of 2020 and recorded these assets at their lower of carrying value (assuming no initial reclassification for held for sale was made) or fair value. The result was a reversal of \$7 related to a non-cash impairment in the second quarter of 2020. These charges were recorded in Restructuring and other charges in the Statement of Consolidated Operations.

2019 Divestitures

On May 31, 2019, the Company sold a small additive manufacturing facility within the Engineered Structures segment for \$1 in cash, which resulted in a loss of \$13 recorded in Restructuring and other charges in the Statement of Consolidated Operations in 2019.

On August 15, 2019, the Company sold inventories and properties, plants, and equipment related to a small energy business within the Engineered Structures segment for \$13 in cash. The Company recognized a charge of \$10 related to inventory impairment and recorded the charge in Cost of goods sold in the Statement of Consolidated Operations in 2019.

On December 1, 2019, the Company completed the sale of its forgings business in the United Kingdom (U.K.) for \$64 in cash, which resulted in a loss on sale of \$46 which was recorded in Restructuring and other charges in the Statement of Consolidated Operations in 2019. The Company settled certain post-closing adjustments which resulted in a \$5 reduction in the purchase price and an additional loss of sale which was recorded in Restructuring and other charges in the Statement of Consolidated Operations in 2020. The sale was subject to certain tax post-closing adjustments. Of the cash proceeds received, \$53 was recorded as Restricted cash within Prepaid expenses and other current assets on the Consolidated Balance Sheet at December 31, 2019 as its use is subject to restriction by the U.K. pension authority until certain U.K. pension plan changes have been



made and approved. The restriction on these proceeds was removed in the second quarter of 2020. The forgings business primarily produces steel, titanium, and nickel based forged components for aerospace, mining, and off-highway markets and its operating results and assets and liabilities were included in the Engine Products segment. This business generated third party sales of \$116 in 2019 and had 540 employees at the time of divestiture.

V. Contingencies and Commitments

Contingencies

Environmental Matters. Howmet participates in environmental assessments and cleanups at more than 30 locations. These include owned or operating facilities and adjoining properties, previously owned or operated facilities and adjoining properties, and waste sites, including Superfund (Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA")) sites.

A liability is recorded for environmental remediation when a cleanup program becomes probable and the costs can be reasonably estimated. As assessments and cleanups proceed, the liability is adjusted based on progress made in determining the extent of remedial actions and related costs. The liability can change substantially due to factors such as the nature and extent of contamination, changes in remedial requirements, and technological changes, among others.

The Company's remediation reserve balance was \$15 and \$10 at December 31, 2021 and 2020, respectively, recorded in Other noncurrent liabilities and deferred credits in the Consolidated Balance Sheet (of which \$6 and \$5, respectively, were classified as a current liability), and reflects the most probable costs to remediate identified environmental conditions for which costs can be reasonably estimated. The increase in 2021 is primarily associated with site monitoring costs at previously owned properties in California, which will determine if any additional remediation is required. Payments related to remediation expenses applied against the reserve were \$2 in each of 2021 and 2020, and included expenditures currently mandated, as well as those not required by any regulatory authority or third party.

Included in annual operating expenses are the recurring costs of managing hazardous substances and environmental programs. These costs are estimated to be less than 1% of Cost of goods sold.

Tax. As previously reported, in July 2013, following a Spanish corporate income tax audit covering the 2006 through 2009 tax years, an assessment was received mainly disallowing certain interest deductions claimed by a Spanish consolidated tax group owned by the Company. The Company appealed this assessment to Spain's Central Tax Administrative Court, and subsequently to Spain's National Court, each of which was denied.

The Company then appealed the decision to the Supreme Court of Spain. In November 2020, the Supreme Court of Spain rendered a decision in favor of the taxpayer, removing the assessment in its entirety. The decision is final and cannot be further appealed.

As a result of the favorable decision, in the fourth quarter of 2020, the Company released an income tax reserve, including interest, of \$64 (\in 54), which was recorded in Provision (benefit) for income taxes in the Consolidated Statement of Operations, that was previously established in the third quarter of 2018. In addition, the Company reversed a combined indemnification receivable of \$53 (\in 45) for Alcoa Corporation's 49% share and Arconic Corporation's 33.66% share of the total reserve, which was recorded in Other expense, net in the Consolidated Statement of Operations, that were previously established pursuant to the October 31, 2016 and March 31, 2020 Tax Matters Agreements, respectively. As of the end of 2020, the Company no longer has a balance recorded for this matter.

Indemnified Matters. The Separation and Distribution Agreement, dated October 31, 2016, entered into between the Company and Alcoa Corporation in connection with the Alcoa Inc. Separation Transaction, provides for cross-indemnities between the Company and Alcoa Corporation for claims subject to indemnification. The Separation and Distribution Agreement, dated March 31, 2020, entered into between the Company and Arconic Corporation in connection with the Arconic Inc. Separation Transaction, provides for cross-indemnities between the Company and Arconic Corporation for claims subject to indemnification. Among other claims that are covered by these indemnities, Arconic Corporation indemnifies the Company (f/k/a Arconic Inc. and f/k/a Alcoa Inc.) for all potential liabilities associated with the fire that occurred at the Grenfell Tower in London, U.K. on June 14, 2017 ("Grenfell Fire"), including the following:

(*i*) <u>Regulatory Investigations</u>. Arconic Architectural Products SAS ("AAP SAS") (now a subsidiary of Arconic Corporation) supplied Reynobond PE to its customer who used the product as one component of the overall cladding system on Grenfell Tower. Regulatory Investigations into the overall Grenfell Fire are being conducted, including a criminal investigation by the London Metropolitan Police Service and a Public Inquiry by the British government (regarding which AAP SAS is a participant). (ii) <u>United Kingdom Litigation</u>. On December 23, 2020, survivors and estates of decedents of the Grenfell Fire filed suit against 23 defendants, including the Company. No substantive allegations or requests for relief have been provided. The suits are stayed with a conference to be held after April 4, 2022. (iii) <u>Behrens et al. v. Arconic Inc. et al. (United States District Court for the Eastern District of Pennsylvania)</u>. On June 6, 2019, 247 survivors and estates of decedents of the Grenfell

Fire filed a complaint against Arconic Inc., Alcoa Inc. and Arconic Architectural Products, LLC (now a subsidiary of Arconic Corporation), among others, for product liability and wrongful death. Plaintiffs seek monetary damages exceeding \$75,000 (amount not in millions) for each plaintiff. On September 16, 2020, the court dismissed the U.S. case, determining that the U.K. is the appropriate jurisdiction for the case. Plaintiffs are appealing. (iv) Howard v. Arconic Inc. et al. (United States District Court for the Western District of Pennsylvania). In 2017, two purported class actions were filed against Arconic Inc., Klaus Kleinfeld and other former Arconic Inc. executives and directors, and certain banks. The actions, which later were consolidated, allege violations of the federal securities laws relating to the Grenfell Fire. On June 23, 2021, the court ruled that certain claims related to a particular registration statement, other SEC filings, product brochures and websites can proceed and dismissed all other claims with prejudice. A status conference was held before the court on January 11, 2022 during which the court heard argument from both parties on the pending motion for certification of an interlocutory appeal. The motion remains pending. (v) Raul v. Albaugh, et al. (United States District Court for the District of Delaware). On June 22, 2018, a derivative complaint was filed nominally on behalf of Arconic Inc. by a purported Arconic Inc. stockholder against the then members of Arconic Inc.'s Board of Directors, Klaus Kleinfeld and Ken Giacobbe, naming Arconic Inc. as a nominal defendant. The complaint asserts claims under federal securities laws, most of which are similar to those in Howard, claims under Delaware state law for breaches of fiduciary duty, gross mismanagement and abuse of control, as well as allegations that the defendants improperly authorized the sale of Reynobond PE for unsafe uses. The case has been staved until the final resolution of the Howard case and the Regulatory Investigations. (vi) Stockholder Demands. Following the Grenfell Fire, the then Arconic Inc. Board of Directors (the "Board") received letters, purportedly sent on behalf of stockholders, reciting allegations similar to the Howard and Raul cases and demanding that the Board authorize Arconic Inc. to initiate litigation against members of management, the Board and others. On May 28, 2019, the Board adopted the findings and recommendations of its Special Litigation Committee and rejected the stockholders' demands. On June 28, 2021, one of the stockholders whose demand was rejected asked the current Howmet Board of Directors to reconsider the decision of the Board, which was declined. On August 4, 2021, another stockholder whose demand was rejected requested books and records relating to, among other things, the Board's decision to reject his initial demand, which the Company declined. There has been no further correspondence with either stockholder.

Legal Proceedings. <u>Lehman Brothers International (Europe) ("LBIE") Proceeding</u>. On June 26, 2020, LBIE filed formal proceedings against two Firth Rixson entities ("Firth") in the High Court of Justice, Business and Property Courts of England and Wales. The proceedings relate to interest rate swap transactions that Firth entered into with LBIE in 2007 to 2008. In 2008, LBIE commenced insolvency proceedings, an event of default under the agreements, rendering LBIE unable to meet its obligations under the swaps and suspending Firth's payment obligations. In the court proceedings, LBIE seeks a declaration that Firth has a contractual obligation to pay the amounts owing to LBIE under the agreements upon its emergence from insolvency proceedings which is expected to occur by 2023, which LBIE claims to be approximately \$64, plus applicable interest. Firth will continue to maintain its position that multiple events of default under the agreements related to LBIE's insolvency proceeding cannot be cured or continue indefinitely, which the Company believes are meritorious defenses. A virtual hearing in this matter occurred on January 13 and 14, 2021 in London, England, and a ruling has yet to be issued to date. Given the importance of the case for LBIE and Firth, it is expected that irrespective of the outcome of the most recent hearing, the case will be appealed and any requirement for the parties to pay amounts under the agreements will be stayed. An appeal of the case could continue into 2023. The Company intends to vigorously defend against these claims.

Other. In addition to the matters discussed above, various other lawsuits, claims, and proceedings have been or may be instituted or asserted against the Company, including those pertaining to environmental, product liability, safety and health, employment, tax and antitrust matters. While the amounts claimed in these other matters may be substantial, the ultimate liability cannot currently be determined because of the considerable uncertainties that exist. Therefore, it is possible that the Company's liquidity or results of operations in a period could be materially affected by one or more of these other matters. However, based on facts currently available, management believes that the disposition of these other matters that are pending or asserted will not have a material adverse effect, individually or in the aggregate, on the results of operations, financial position or cash flows of the Company.

Commitments

Purchase Obligations. Howmet has entered into purchase commitments for raw materials, energy and other goods and services, which total \$229 in 2022, \$95 in 2023, \$80 in 2024, \$2 in 2025, and none in 2026 and thereafter.

Operating Leases. See <u>Note Q</u> for the operating lease future minimum contractual obligations.

Guarantees. At December 31, 2021, Howmet had outstanding bank guarantees related to tax matters, outstanding debt, workers' compensation, environmental obligations, energy contracts, and customs duties, among others. The total amount committed under these guarantees, which expire at various dates between 2022 and 2040, was \$15 at December 31, 2021.

Pursuant to the Separation and Distribution Agreement, dated as of October 31, 2016, between Howmet and Alcoa Corporation, Howmet was required to provide certain guarantees for Alcoa Corporation, which had a fair value of \$6 and \$12 at December 31, 2021 and 2020, respectively, and were included in Other noncurrent liabilities and deferred credits in the

Consolidated Balance Sheet. The remaining guarantee, for which the Company and Arconic Corporation are secondarily liable in the event of a payment default by Alcoa Corporation, relates to a long-term energy supply agreement that expires in 2047 at an Alcoa Corporation facility. The Company currently views the risk of an Alcoa Corporation payment default on its obligations under the contract to be remote. The Company and Arconic Corporation are required to provide a guarantee up to an estimated present value amount of approximately \$1,406 and \$1,398 at December 31, 2021 and 2020, respectively, in the event of an Alcoa Corporation payment default. In December 2020 and again in December 2021, a surety bond with a limit of \$80 relating to this guarantee was obtained by Alcoa Corporation to protect Howmet's obligation. This surety bond will be renewed on an annual basis by Alcoa Corporation.

Letters of Credit. The Company has outstanding letters of credit, primarily related to workers' compensation, environmental obligations, and leasing obligations. The total amount committed under these letters of credit, which automatically renew or expire at various dates, mostly in 2022, was \$119 at December 31, 2021.

Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to retain letters of credit of \$53 (which are included in the \$119 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workers' compensation claims that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation and letters of credit fees paid by the Company are proportionally billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation, respectively. Also, the Company was required to provide letters of credit for certain Arconic Corporation environmental obligations and, as a result, the Company has \$17 of outstanding letters of credit relating to such liabilities (which are included in the \$119 in the above paragraph). Less than \$1 of these outstanding letters of credit are pending cancellation and will be deemed cancelled once returned by the beneficiary. Arconic Corporation has issued surety bonds to cover these environmental obligations. Arconic Corporation is being billed for these letter of credit fees paid by the Company and will reimburse the Company for any payments made under these letters of credit.

Surety Bonds. The Company has outstanding surety bonds primarily related to tax matters, contract performance, workers' compensation, environmental-related matters, and customs duties. The total amount committed under these annual surety bonds, which expire and automatically renew at various dates, primarily in 2022 and 2023, was \$47 at December 31, 2021.

Pursuant to the Separation and Distribution Agreements between the Company and Arconic Corporation and between the Company and Alcoa Corporation, the Company is required to provide surety bonds of \$25 (which are included in the \$47 in the above paragraph) that had previously been provided related to the Company, Arconic Corporation, and Alcoa Corporation workers' compensation claims paid that occurred prior to the respective separation transactions of April 1, 2020 and November 1, 2016. Arconic Corporation and Alcoa Corporation workers' compensation claims and surety bond fees paid by the Company are proportionately billed to, and are reimbursed by, Arconic Corporation and Alcoa Corporation.

W. Subsequent Events

Management evaluated all activity of Howmet and concluded that no subsequent events have occurred that would require recognition in the Consolidated Financial Statements or disclosure in the Notes to the Consolidated Financial Statements, except as noted below:

See Note J for the common stock repurchases made subsequent to the fourth quarter of 2021.



Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure.

None.

Item 9A. Controls and Procedures.

(a) Evaluation of Disclosure Controls and Procedures

Howmet's Chief Executive Officer and Chief Financial Officer have evaluated the Company's disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as of the end of the period covered by this report, and they have concluded that these controls and procedures are effective.

(b) Management's Annual Report on Internal Control over Financial Reporting

Management's Report on Internal Control over Financial Reporting is included in Part II, Item 8 of this Form 10-K beginning on page 38.

(c) Attestation Report of the Registered Public Accounting Firm

The effectiveness of Howmet's internal control over financial reporting as of December 31, 2021 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report, which is included in <u>Part II, Item 8</u> of this Form 10-K on page <u>39</u>.

(d) Changes in Internal Control over Financial Reporting

There have been no changes in internal control over financial reporting during the fourth quarter of 2021, that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

Item 9B. Other Information.

None.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspection.

Not applicable.

PART III

Item 10. Directors, Executive Officers and Corporate Governance.

The information required by Item 401 of Regulation S-K regarding directors is contained under the caption "Item 1 Election of Directors" of the Proxy Statement and is incorporated by reference. The information required by Item 401 of Regulation S-K regarding executive officers is set forth in Part I, Item 1 of this report under "Executive Officers of the Registrant."

The information required by Item 405 of Regulation S-K is contained under the caption "Section 16(a) Beneficial Ownership Reporting Compliance" of the Proxy Statement and is incorporated by reference.

The Company's Code of Ethics for the CEO, CFO and Other Financial Professionals is publicly available on the Company's Internet website at www.howmet.com under the section "Investors—Corporate Governance—Governance and Policies." The remaining information required by Item 406 of Regulation S-K is contained under the captions "Corporate Governance" and "Corporate Governance—Business Conduct Policies and Code of Ethics" of the Proxy Statement and is incorporated by reference.

The information required by Items 407(c)(3), (d)(4) and (d)(5) of Regulation S-K is included under the captions "Item 1 Election of Directors—Nominating Board Candidates—Procedures and Director Qualifications" and "Corporate Governance—Committees of the Board—Audit Committee" of the Proxy Statement and is incorporated by reference.

Item 11. Executive Compensation.

The information required by Item 402 of Regulation S-K is contained under the captions "Director Compensation", "Executive Compensation" and "Corporate Governance—Recovery of Incentive Compensation" of the Proxy Statement. Such information is incorporated by reference.

The information required by Items 407(e)(4) and (e)(5) of Regulation S-K is contained under the captions "Corporate Governance—Compensation Committee Interlocks and Insider Participation" and "Item 3 Advisory Approval of Executive Compensation—Compensation Committee Report" of the Proxy Statement. Such information (other than the Compensation Committee Report, which shall not be deemed to be "filed") is incorporated by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.

The following table gives information about Howmet's common stock that could be issued under the Company's equity compensation plans as of December 31, 2021.

Equity Compensation Plan Information

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)	<i>(b)</i>	(c)
Equity compensation plans approved by security holders ⁽¹⁾	9,636,103(1)	\$ 23.64	24,113,585 ⁽²⁾
Equity compensation plans not approved by security holders	_	—	_
Total	9,636,103	\$ 23.64	24,113,585 ⁽²⁾

- (1) Includes the 2013 Howmet Aerospace Stock Incentive Plan, as Amended and Restated (approved by shareholders in May 2019, May 2018, May 2016 and May 2013) (the "2013 Plan") and 2009 Alcoa Stock Incentive Plan (approved by shareholders in May 2009). Also includes 877 stock options resulting from the merger conversion of RTI Metals employee equity. Table amounts are comprised of the following:
 - 1,754,902 stock options
 - 4,825,997 restricted share units
 - 3,055,204 performance share awards (226,672 granted in 2021 at target)
- (2) The 2013 Plan authorizes, in addition to stock options, other types of stock-based awards in the form of stock appreciation rights, restricted shares, restricted share units, performance awards and other awards. The shares that remain available for issuance under the 2013 Plan may be issued in connection with any one of these awards. Up to 66,666,667 shares may be issued under the plan. Any award other than an option or a stock appreciation right shall count as 2.33 shares. Options and stock appreciation rights shall be counted as one share for each option or stock appreciation right. In addition, the 2013 Plan provides the following are available to grant under the 2013 Plan: (i) shares that are issued under the 2013 Plan, which are subsequently forfeited, cancelled or expire in accordance with the terms of the award and (ii) shares that had previously been issued under prior plans that are outstanding as of the date of the 2013 Plan which are subsequently forfeited, cancelled or expire in accordance with the terms of the award.

The information required by Item 403 of Regulation S-K is contained under the captions "Howmet Aerospace Stock Ownership—Stock Ownership of Certain Beneficial Owners" and "Howmet Aerospace Stock Ownership—Stock Ownership of Directors and Executive Officers" of the Proxy Statement and is incorporated by reference.

Item 13. Certain Relationships and Related Transactions, and Director Independence.

The information required by Item 404 of Regulation S-K is contained under the captions "Executive Compensation" (excluding the information under the caption "Compensation Committee Report") and "Corporate Governance— Related Person Transactions" of the Proxy Statement and is incorporated by reference.

The information required by Item 407(a) of Regulation S-K regarding director independence is contained under the captions "Item 1 Election of Directors" and "Corporate Governance" of the Proxy Statement and is incorporated by reference.

Item 14. Principal Accounting Fees and Services.

The information required by Item 9(e) of Schedule 14A is contained under the captions "Item 2 Ratification of Appointment of Independent Registered Public Accounting Firm—Report of the Audit Committee" and "Item 2 Ratification of Appointment of Independent Registered Public Accounting Firm — Audit and Non-Audit Fees" of the Proxy Statement and in its Attachment A (Pre-Approval Policies and Procedures for Audit and Non-Audit Services) thereto and is incorporated by reference.



PART IV

Item 15. Exhibits, Financial Statement Schedules.

(a) The consolidated financial statements and exhibits listed below are filed as part of this report.

(1) The Company's consolidated financial statements, the notes thereto and the report of the Independent Registered Public Accounting Firm are on pages 39 through 88 of this report.

(2) Financial statement schedules have been omitted because they are not applicable, not required, or the required information is included in the consolidated financial statements or notes thereto.

(3) Exhibits.

Exhibit Number	Description*
<u>2(a)</u>	Separation and Distribution Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa Corporation, incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(b)</u>	Tax Matters Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa Corporation, incorporated by reference to Exhibit 2.3 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(c)</u>	Employee Matters Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa Corporation, incorporated by reference to Exhibit 2.4 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(c)(1)</u>	Amendment No. 1, dated December 13, 2016, to Employee Matters Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa Corporation, incorporated by reference to Exhibit 2(e)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>2(d)</u>	Alcoa Corporation to Arconic Inc. Patent, Know-How, and Trade Secret License Agreement, dated as of October 31, 2016, by and between Alcoa USA Corp. and Arconic Inc., incorporated by reference to Exhibit 2.5 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(d)(1)</u>	First Amendment, effective as of November 1, 2016, to the Patent, Know-How and Trade Secret License Agreement by and between Alcoa USA Corp. and Arconic Inc.
<u>2(d)(2)</u>	Second Amendment, effective as of November 1, 2016, to the Patent, Know-How and Trade Secret License Agreement by and between Alcoa USA Corp. and Arconic Inc.
<u>2(e)</u>	Arconic Inc. to Alcoa Corporation Patent, Know-How, and Trade Secret License Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa USA Corp., incorporated by reference to Exhibit 2.6 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(f)</u>	Amended and Restated Alcoa Corporation to Arconic Inc. Trademark License Agreement, dated as of June 25, 2017, by and between Alcoa USA Corp. and Arconic Inc., incorporated by reference to Exhibit 2 to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2017.
2(g)	[Reserved]
<u>2(h)</u>	Massena Lease and Operations Agreement, dated as of October 31, 2016, by and between Arconic Inc. and Alcoa Corporation, incorporated by reference to Exhibit 2.10 to the Company's Current Report on Form 8-K dated November 4, 2016.
<u>2(i)</u>	Agreement and Plan of Merger, dated October 12, 2017, by and between Arconic Inc., a Pennsylvania corporation, and Arconic Inc., a Delaware corporation, incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K dated January 4, 2018.
<u>2(j)</u>	Separation and Distribution Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed on April 6, 2020.

<u>2(k)</u>	Tax Matters Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.2 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(1)</u>	Employee Matters Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.3 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(1)(1)</u>	First Amendment to Employee Matters Agreement, dated as of April 10, 2020, by and between Howmet Aerospace Inc. and Arconic Corporation, incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed on April 13, 2020.
<u>2(m)</u>	Patent, Know-How, and Trade Secret License Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.4 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(m)(1)</u>	Amendment No. 1, effective as of August 25, 2020, to Patent, Know-How, and Trade Secret License Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation.
<u>2(n)</u>	Patent, Know-How, and Trade Secret License Agreement, dated as of March 31, 2020, by and between Arconic Rolled Products Corporation and Arconic Inc., incorporated by reference to Exhibit 2.5 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(o)</u>	Trademark License Agreement, dated as of March 31, 2020, by and between Arconic Rolled Products Corporation and Arconic Inc., incorporated by reference to Exhibit 2.6 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(p)</u>	Trademark License Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.7 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(q)</u>	Master Agreement for Product Supply, dated as of March 31, 2020, by and between Arconic Massena LLC, Arconic Lafayette LLC, Arconic Davenport LLC and Arconic Inc., incorporated by reference to Exhibit 2.8 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(r)</u>	Second Supplemental Tax and Project Certificate and Agreement, dated as of March 31, 2020, by and among Arconic Inc., Arconic Davenport LLC and Arconic Rolled Products Corporation, incorporated by reference to Exhibit 2.9 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(s)</u>	Lease and Property Management Agreement, dated as of March 31, 2020, by and between Arconic Inc. and Arconic Massena LLC, incorporated by reference to Exhibit 2.10 to the Company's Current Report on Form 8-K filed on April 6, 2020.
<u>2(t)</u>	Metal Supply & Tolling Agreement by and between Arconic-Köfém Mill Products Hungary Kft and Arconic-Köfém Kft, dated January 1, 2020, incorporated by reference to Exhibit 2(t) to the Company's Annual Report on Form 10-K for the year ended December 31, 2020.
<u>3(a)</u>	Certificate of Incorporation of Howmet Aerospace Inc., a Delaware corporation, incorporated by reference to Exhibit 3(a) to the Company's Annual Report on Form 10-K for the year ended December 31, 2020.
<u>3(b)</u>	Bylaws of Howmet Aerospace Inc., a Delaware corporation, incorporated by reference to Exhibit 3(b) to the Company's Annual Report on Form 10-K for the year ended December 31, 2020.
<u>4(a)</u>	Form of Certificate for Shares of Common Stock of Arconic Inc., a Delaware corporation, incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K dated January 4, 2018.
4(b)	Bylaws. See exhibit 3(b) above.
4(c)	Form of Indenture, dated as of September 30, 1993, between Alcoa Inc. and The Bank of New York Trust Company, N.A., as successor to J. P. Morgan Trust Company, National Association (formerly Chase Manhattan Trust Company, National Association), as successor Trustee to PNC Bank, National Association, as Trustee (undated form of Indenture incorporated by reference to Exhibit 4(a) to Registration Statement No. 33-49997 on Form S-3).

<u>4(c)(1)</u>	First Supplemental Indenture, dated as of January 25, 2007, between Alcoa Inc. and The Bank of New York Trust Company, N.A., as successor to J.P. Morgan Trust Company, National Association (formerly Chase Manhattan Trust Company, National Association), as successor Trustee to PNC Bank, National Association, as Trustee, incorporated by reference to Exhibit 99.4 to the Company's Current Report on Form 8-K dated January 25, 2007.
<u>4(c)(2)</u>	Second Supplemental Indenture, dated as of July 15, 2008, between Alcoa Inc. and The Bank of New York Mellon Trust Company, N.A., as successor in interest to J. P. Morgan Trust Company, National Association (formerly Chase Manhattan Trust Company, National Association, as successor to PNC Bank, National Association), as Trustee, incorporated by reference to Exhibit 4(c) to the Company's Current Report on Form 8-K dated July 15, 2008.
<u>4(c)(3)</u>	Fourth Supplemental Indenture, dated as of December 31, 2017, between Arconic Inc., a Pennsylvania corporation, Arconic Inc., a Delaware corporation, and The Bank of New York Mellon Trust Company, N.A., as trustee, incorporated by reference to Exhibit 4.3 to the Company's Current Report on Form 8-K dated January 4, 2018.
<u>4(c)(4)</u>	Fifth Supplemental Indenture, dated as of April 16, 2020, between Howmet Aerospace Inc., a Delaware corporation, and The Bank of New York Mellon Trust Company, N.A., as trustee, incorporated by reference to Exhibit 4(e) to the Company's Registration Statement on Form S-3 (Registration Statement No. 333-237705) dated April 16, 2020.
<u>4(d)</u>	Form of 6.75% Bonds Due 2028, incorporated by reference to Exhibit 4(d) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>4(e)</u>	Form of 5.90% Notes Due 2027, incorporated by reference to Exhibit 4(e) to the Company's Annual Report on Form 10-K for the year ended December 31, 2008.
<u>4(f)</u>	Form of 5.95% Notes Due 2037, incorporated by reference to Exhibit 4(f) to the Company's Annual Report on Form 10-K for the year ended December 31, 2008.
<u>4(g)</u>	Form of 5.125% Notes Due 2024, incorporated by reference to Exhibit 4.5 to the Company's Current Report on Form 8-K dated September 22, 2014.
<u>4(h)</u>	Form of 6.875% Notes due 2025, incorporated by reference to Exhibit 4.6 to the Company's Current Report on Form 8-K dated April 24, 2020.
<u>4(i)</u>	Form of 3.000% Notes due 2029, incorporated by reference to Exhibit 4.6 to the Company's Current Report on Form 8-K dated September 1, 2021.
<u>4(j)</u>	Description of Arconic Inc.'s Securities Registered Pursuant to Section 12 of the Securities Exchange Act of 1934, incorporated by reference to Exhibit 4(p) to the Company's Annual Report on Form 10-K for the year ended December 31, 2019.
<u>10(a)</u>	Amended and Restated Five-Year Revolving Credit Agreement, dated as of September 28, 2021, among Howmet Aerospace Inc., the lenders and issuers named therein, Citibank, N.A., as administrative agent, and JPMorgan Chase Bank, N.A., as syndication agent, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated September 28, 2021.
<u>10(b)</u>	Agreement, dated February 1, 2016, by and between Elliott Associates, L.P., Elliott International, L.P., Elliott International Capital Advisors Inc. and Alcoa Inc., incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated February 1, 2016.
<u>10(c)</u>	Settlement Agreement, dated as of May 22, 2017, by and among Elliott Associates, L.P., Elliott International, L.P., Elliott International Capital Advisors Inc. and Arconic Inc., incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated May 22, 2017 (reporting an event on May 21, 2017).
<u>10(d)</u>	Letter Agreement, by and among Arconic Inc. and Elliott Associates, L.P., Elliott International, L.P. and Elliott International Capital Advisors Inc., dated as of December 19, 2017, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated December 19, 2017.
<u>10(e)</u>	Registration Rights Agreement, by and among Arconic Inc. and Elliott Associates, L.P., Elliott International, L.P. and Elliott International Capital Advisors Inc., dated as of December 19, 2017, incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K dated December 19, 2017.

<u>10(e)(1)</u>	Amendment to Registration Rights Agreement, by and among Arconic Inc. and Elliott Associates, L.P., Elliott International, L.P. and Elliott International Capital Advisors Inc., dated as of February 2, 2018, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated February 6, 2018.
<u>10(f)</u>	Howmet Aerospace Inc. 2020 Annual Cash Incentive Plan (formerly known as the Arconic Inc. 2020 Annual Cash Incentive Plan), incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated December 10, 2019.
<u>10(g)</u>	Howmet Aerospace Hourly Retirement Savings Plan, as Amended and Restated, effective January 1, 2021.
<u>10(g)(1)</u>	First Amendment, effective January 1, 2022, to the Howmet Aerospace Hourly Retirement Savings Plan, as Amended and Restated.
<u>10(g)(2)</u>	Howmet Aerospace Salaried Retirement Savings Plan, as Amended and Restated effective January 1, 2021.
<u>10(g)(3)</u>	Howmet Aerospace Niles Bargaining Retirement Savings Plan, as Amended and Restated, effective January 1, 2021.
<u>10(h)</u>	Howmet Aerospace Excess Benefits Plan C (formerly known as the Arconic Employees' Excess Benefits Plan C), as amended and restated effective August 1, 2016, incorporated by reference to Exhibit 10(j) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(h)(1)</u>	First Amendment to Howmet Aerospace Excess Benefits Plan C (formerly known as the Arconic Employees' Excess Benefits Plan C), effective January 1, 2018, incorporated by reference to Exhibit 10(l)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(h)(2)</u>	Second Amendment to Howmet Aerospace Excess Benefits Plan C (formerly known as the Arconic Employees' Excess Benefits Plan C), effective January 1, 2018, incorporated by reference to Exhibit 10(1)(2) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(h)(3)</u>	Third Amendment to Howmet Aerospace Excess Benefits Plan C (formerly known as the Arconic Employees' Excess Benefits Plan C), effective March 31, 2018. incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated January 8, 2018.
<u>10(i)</u>	Deferred Fee Plan for Directors, as amended effective July 9, 1999, incorporated by reference to Exhibit 10(g)(1) to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 1999.
<u>10(j)</u>	Amended and Restated Deferred Fee Plan for Directors, effective April 1, 2020, incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2020.
<u>10(k)</u>	Non-Employee Director Compensation Policy, effective April 1, 2020, incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2020.
10(l)	Fee Continuation Plan for Non-Employee Directors, incorporated by reference to Exhibit 10(k) to the Company's Annual Report on Form 10-K for the year ended December 31, 1989.
<u>10(l)(1)</u>	Amendment to Fee Continuation Plan for Non-Employee Directors, effective November 10, 1995, incorporated by reference to Exhibit 10(i)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 1995.
<u>10(l)(2)</u>	Second Amendment to the Fee Continuation Plan for Non-Employee Directors, effective September 15, 2006, incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K dated September 20, 2006.
<u>10(m)</u>	Howmet Aerospace Deferred Compensation Plan (formerly known as the Arconic Deferred Compensation Plan), as amended and restated effective August 1, 2016, incorporated by reference to Exhibit 10(p) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(m)(1)</u>	First Amendment to the Howmet Aerospace Deferred Compensation Plan (formerly known as the Arconic Deferred Compensation Plan), effective January 1, 2018, incorporated by reference to Exhibit 10(r)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.

10(n)	Summary of the Executive Split Dollar Life Insurance Plan, dated November 1990, incorporated by reference to Exhibit 10(m) to the Company's Annual Report on Form 10-K for the year ended December 31, 1990.
<u>10(o)</u>	Amended and Restated Dividend Equivalent Compensation Plan, effective January 1, 1997, incorporated by reference to Exhibit 10(h) to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2004.
10(p)	Form of Indemnity Agreement between the Company and individual directors or officers, incorporated by reference to Exhibit 10(j) to the Company's Annual Report on Form 10-K for the year ended December 31, 1987.
<u>10(q)</u>	Form of Indemnification Agreement between the Company and individual directors or officers, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated January 25, 2018.
<u>10(r)</u>	Amended and Restated 2009 Alcoa Stock Incentive Plan, dated February 15, 2011, incorporated by reference to Exhibit 10(z)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 2010.
<u>10(s)</u>	Howmet Aerospace Supplemental Pension Plan for Senior Executives (formerly known as the Arconic Supplemental Pension Plan for Senior Executives), as amended and restated effective August 1, 2016, incorporated by reference to Exhibit 10(v) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(s)(1)</u>	First Amendment to Howmet Aerospace Supplemental Pension Plan for Senior Executives (formerly known as the Arconic Supplemental Pension Plan for Senior Executives), effective January 1, 2018, incorporated by reference to Exhibit 10(x)(1) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(s)(2)</u>	Second Amendment to Howmet Aerospace Supplemental Pension Plan for Senior Executives (formerly known as the Arconic Supplemental Pension Plan for Senior Executives), effective January 1, 2018, incorporated by reference to Exhibit 10(x)(2) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(t)</u>	Deferred Fee Estate Enhancement Plan for Directors, effective July 10, 1998, incorporated by reference to Exhibit 10(r) to the Company's Annual Report on Form 10-K for the year ended December 31, 1998.
<u>10(u)</u>	Howmet Aerospace Inc. Change in Control Severance Plan, as Amended and Restated, effective September 17, 2021, incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on September 23, 2021.
<u>10(v)</u>	Howmet Aerospace Inc. Executive Severance Plan, as Amended and Restated, effective September 17, 2021, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on September 23, 2021.
<u>10(w)</u>	Letter Agreement, by and between Arconic Inc. and Michael N. Chanatry, dated as of March 20, 2018.
<u>10(x)</u>	Letter Agreement, from Arconic Inc. to Ken Giacobbe, dated as of February 14, 2019, incorporated by reference to Exhibit 10(hh) to the Company's Annual Report on Form 10-K for the year ended December 31, 2018.
<u>10(y)</u>	Letter Agreement, by and between Arconic Inc. and John C. Plant, dated as of February 6, 2019, incorporated by reference to Exhibit 10(a) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2019.
<u>10(z)</u>	Letter Agreement, by and between Arconic Inc. and John C. Plant, dated as of August 1, 2019, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated August 2, 2019.
<u>10(aa)</u>	Letter Agreement, by and between Arconic Inc. and John C. Plant, dated as of February 24, 2020, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K dated February 25, 2020.

<u>10(bb)</u>	Letter Agreement between Howmet Aerospace Inc. and John C. Plant, dated as of June 9, 2020, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on June 12, 2020.
<u>10(cc)</u>	Letter Agreement, by and between Howmet Aerospace Inc. and John C. Plant, dated as of October 14, 2021, incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on October 14, 2021.
<u>10(dd)</u>	Letter Agreement, by and between Arconic Inc. and Neil E. Marchuk, dated as of February 13, 2019, incorporated by reference to Exhibit 10(c) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2019.
<u>10(ee)</u>	Letter Agreement between Arconic Inc. and Tolga Oal, dated as of February 24, 2020, incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K dated February 25, 2020.
<u>10(ff)</u>	Howmet Aerospace Global Pension Plan (formerly known as the Arconic Global Pension Plan), as amended and restated effective August 1, 2016, incorporated by reference to Exhibit 10(bb) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(gg)</u>	Howmet Aerospace Inc. Legal Fee Reimbursement Plan (formerly known as the Arconic Inc. Legal Fee Reimbursement Plan), effective as of April 30, 2018, incorporated by reference to Exhibit 10(b) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018.
<u>10(hh)</u>	2013 Howmet Aerospace Stock Incentive Plan, as Amended and Restated, effective September 30, 2020, incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020.
<u>10(ii)</u>	Terms and Conditions for Stock Options, effective January 1, 2011, incorporated by reference to Exhibit 10(c) to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2011.
<u>10(jj)</u>	Terms and Conditions for Stock Option Awards, effective May 3, 2013, incorporated by reference to Exhibit 10(b) to the Company's Current Report on Form 8-K dated May 8, 2013.
<u>10(kk)</u>	Terms and Conditions for Stock Option Awards under the 2013 Howmet Aerospace Stock Incentive Plan, effective July 22, 2016, incorporated by reference to Exhibit 10(d) to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2016.
<u>10(ll)</u>	Global Stock Option Award Agreement, effective January 19, 2018, incorporated by reference to Exhibit 10(uu) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(mm)</u>	Form of Stock Option Award Agreement, incorporated by reference to Exhibit 10(f) to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2018.
<u>10(nn)</u>	Terms and Conditions for Restricted Share Units for Annual Director Awards under the 2013 Howmet Aerospace Stock Incentive Plan, effective November 30, 2016, incorporated by reference to Exhibit 10(vv) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(oo)</u>	Terms and Conditions for Restricted Share Units for Annual Director Awards under the 2013 Howmet Aerospace Stock Incentive Plan, as Amended and Restated, effective December 5, 2017, incorporated by reference to Exhibit 10(a) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018.
<u>10(pp)</u>	Terms and Conditions for Deferred Fee Restricted Share Units for Director Awards under the 2013 Howmet Aerospace Stock Incentive Plan, effective November 30, 2016, incorporated by reference to Exhibit 10(ww) to the Company's Annual Report on Form 10-K for the year ended December 31, 2016.
<u>10(qq)</u>	Global Restricted Share Unit Award Agreement, effective January 19, 2018, incorporated by reference to Exhibit 10(eee) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.

<u>10(rr)</u>	Terms and Conditions for Restricted Share Units issued on or after January 19, 2018, under the 2013 Howmet Aerospace Stock Incentive Plan, effective January 19, 2018, incorporated by reference to Exhibit 10(fff) to the Company's Annual Report on Form 10-K for the year ended December 31, 2017.
<u>10(ss)</u>	Form of Restricted Share Unit Award Agreement, incorporated by reference to Exhibit 10(g) to the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2018.
<u>10(tt)</u>	Restricted Share Unit Award Agreement - Executive Vice President, Human Resources (Neil E. Marchuk) Annual Equity Award, effective March 15, 2019, incorporated by reference to Exhibit 10(f) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2019.
<u>10(uu)</u>	Restricted Share Unit Award Agreement - Executive Vice President, Human Resources (Neil E. Marchuk) Sign-on Equity Award, effective March 15, 2019, incorporated by reference to Exhibit 10(g) to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2019.
<u>10(vv)</u>	Global Restricted Share Unit Award Agreement, effective September 30, 2020, incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020.
<u>10(ww)</u>	Global Stock Option Award Agreement, effective September 30, 2020, incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020.
<u>10(xx)</u>	Global Special Retention Award Agreement, effective September 30, 2020, incorporated by reference to Exhibit 10.6 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020.
<u>10(yy)</u>	Terms and Conditions for Restricted Share Units, effective September 30, 2020, incorporated by reference to Exhibit 10.7 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2020.
<u>10(zz)</u>	Form of Confidentiality, Non-Competition, and Non-Solicitation Agreement, incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q (Commission file number 1-3610) for the quarter ended June 30, 2021.
<u>10(aaa)</u>	Letter Agreement, by and between Howmet Aerospace Inc. and Lola Lin, dated as of May 5, 2021, incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q (Commission file number 1-3610) for the quarter ended June 30, 2021.
<u>10(bbb)</u>	Restricted Share Unit Award Agreement - Annual Equity Award for Lola Lin, effective July 15, 2021 incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q (Commission file number 1-3610) for the quarter ended June 30, 2021.
<u>10(ccc)</u>	Restricted Share Unit Award Agreement - Sign-On Equity Award for Lola Lin, effective July 15, 2021 incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q (Commission file number 1-3610) for the quarter ended June 30, 2021
<u>21</u>	Subsidiaries of the Registrant.
<u>23</u>	Consent of Independent Registered Public Accounting Firm.
<u>24</u>	Power of Attorney.
<u>31</u>	Certifications pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
<u>32</u>	Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101. INS	Inline XBRL Instance Document.
101. SCH	Inline XBRL Taxonomy Extension Schema Document.
101. CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document.
101. DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document.
101. LAB	Inline XBRL Taxonomy Extension Label Linkbase Document.

101. PRE Inline XBRL Taxonomy Extension Presentation Linkbase Document.

104 The cover page of this Annual Report on Form 10-K for the year ended December 31, 2021 (formatted in Inline XBRL and contained in Exhibit 101).

* Exhibit Nos. 10(f) through 10(ccc) are management contracts or compensatory plans required to be filed as Exhibits to this Form 10-K.

Amendments and modifications to other Exhibits previously filed have been omitted when in the opinion of the registrant such Exhibits as amended or modified are no longer material or, in certain instances, are no longer required to be filed as Exhibits.

Certain instruments defining the rights of holders of long-term debt securities of the Registrant and its subsidiaries are omitted pursuant to Item 601(b)(4) (iii) of Regulation S-K. The Registrant hereby undertakes to furnish to the SEC, upon request, copies of any such instruments.

Item 16. Form 10-K Summary.

None.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

HOWMET AEROSPACE INC.

February 14, 2022	By	/s/ Barbara L. Shultz
		Barbara L. Shultz
		Vice President and Controller (Also signing as Principal Accounting Officer)

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	Date
/s/ John C. Plant		February 14, 2022
John C. Plant	Executive Chairman and Chief Executive Officer (Principal Executive Officer and Director)	
/s/ Ken Giacobbe		February 14, 2022
Ken Giacobbe	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	

James F. Albaugh, Amy E. Alving, Sharon R. Barner, Joseph S. Cantie, Robert F. Leduc, David J. Miller, Jody G. Miller, Nicole W. Piasecki and Ulrich R. Schmidt, each as a Director, on February 14, 2022, by Barbara L. Shultz, their Attorney-in-Fact.*

*By	/s/ Barbara L. Shultz	
	Barbara L. Shultz	
	Attorney-in-Fact	

FIRST AMENDMENT TO PATENT, KNOW-HOW AND TRADE SECRET LICENSE AGREEMENT

THIS FIRST AMENDMENT TO THE PATENT, KNOW-HOW AND TRADE SECRET LICENSE AGREEMENT (the "**First Amendment**") is made and entered into effective as of November 1, 2016 ("**First Amendment Effective Date**"), by and between Alcoa USA Corp. ("**Alcoa**") and Arconic Inc. ("**Arconic**").

RECITALS

WHEREAS, Alcoa and Alcoa Inc. are parties to that certain Patent, Know-How and Trade Secret License Agreement, having an effective date of October 31, 2016 (the "**Agreement**");

WHEREAS, effective as of November 1, 2016, Alcoa Inc. changed its name to Arconic

Inc.;

WHEREAS, Alcoa and Arconic now desire to amend the Agreement.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, and good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereto, intending to be legally bound, agree as follows:

1. <u>Definitions.</u> All capitalized terms used in this Amendment but not defined in this Amendment shall have the meanings ascribed to them in the Agreement. To the extent there is a conflict in meaning or interpretation as between the Agreement and this Amendment, this Amendment shall govern.

2. <u>Amendments to the Agreement.</u> The Agreement is hereby amended as of the First Amendment Effective Date by adding the following to the Patent section of Schedule 5:

PATIO	Title	Status	Country	Serial No.	Patent No.	Technology
	SYSTEMS	Filed	US	62/353,880		Advanced
	AND					Ceramics
	METHODS					
	FOR					
	MAKING					
	CERAMIC					
	POWDERS					
	AND					
16-	CERAMIC					
114242	PRODUCTS					
	SYSTEMS	Filed	US	62/360,079		Advanced
	AND					Ceramics
16- 114059	METHODS FOR					

MAKING CERAMIC POWDERS					
------------------------------	--	--	--	--	--

3. <u>No Other Amendments; Confirmation.</u> Except as expressly amended hereby, the provisions of the Amendment are and shall remain in full force and effect. Nothing herein shall be deemed to entitle either party to a consent to, or a waiver, amendment, modification or other change of, any of the terms, conditions, obligations, covenants or agreements contained in the Amendment other than as provided herein.

4. <u>Severability.</u> If any term, provision, covenant or condition of this Amendment is held invalid or unenforceable for any reason, the remaining provisions of this Amendment shall continue in full force and effect as if this Amendment had been executed with the invalid portion eliminated, provided the effectiveness of the remaining portions of this Amendment will not defeat the overall intent of the parties. In such a situation, the parties agree, to the extent legal and possible, to incorporate a replacement provision to accomplish the originally intended effect.

5. <u>Electronic/Facsimile Signatures; Counterparts.</u> The parties agree that a facsimile or electronically-copied signature has the same effect as an original signature. This Amendment may be executed in multiple copies, each of which is an original and all of which constitute one instrument.

[Signature page follows]

IN WITNESS WHEREOF, the parties hereto have executed this Amendment or caused the same to be executed by a duly authorized officer as of the Amendment Effective Date.

Alcoa USA Corp.

By: <u>/s/ John Kenna</u> Name: John Kenna Title: Vice President, Tax Date: 1/5/17

Arconic Inc.

By: <u>/s/ Max Laun</u> Name: Max Laun Title: VP and General Counsel Date: 1/5/17

SECOND AMENDMENT TO PATENT, KNOW-HOW AND TRADE SECRET LICENSE AGREEMENT

THIS SECOND AMENDMENT TO THE PATENT, KNOW-HOW AND TRADE SECRET LICENSE AGREEMENT (the "**Second Amendment**") is made and entered into effective as of October 18, 2021 (the "**Second Amendment Effective Date**"), by and between Alcoa USA Corp. ("**Alcoa**") and Howmet Aerospace Inc. ("**Howmet**"). Individually, Alcoa and Howmet are referred to in this Second Amendment as a "Party" and collectively as the "Parties."

RECITALS

WHEREAS, Alcoa and Howmet (f/k/a Arconic Inc. and Alcoa Inc.) are parties to that certain Patent, Know-How and Trade Secret License Agreement, having an effective date of October 31, 2016 under which Alcoa is the "Licensor" and Howmet is the "Licensee" (the "**Agreement**");

WHEREAS, on January 5, 2017 Alcoa and Howmet signed a FIRST AMENDMENT TO PATENT, KNOW-HOW AND TRADE SECRET LICENSE AGREEMENT (the "**First Amendment**") to the Agreement;

WHEREAS, on November 1, 2016 Howmet changed its name to Arconic Inc. from Alcoa Inc. and on March 30, 2020 Howmet changed its name to Howmet Aerospace Inc. from Arconic Inc.; and

WHEREAS, the Parties now desire to amend the Agreement for a second time.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, and good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereto, intending to be legally bound, agree as follows:

1. <u>Definitions</u>. All capitalized terms used in this Second Amendment but not defined in this Second Amendment or in Exhibit 1, annexed hereto and made a part of this Second Amendment, shall have the meanings ascribed to them in the Agreement and/or First Amendment. To the extent there is a conflict in meaning or interpretation as between the Agreement, First Amendment, and this Second Amendment, this Second Amendment shall govern.

a. <u>"Competitors of Howmet"</u> shall mean (i) the companies listed by their generally known (as opposed to legal entity) name (each a "Parent Company" and collectively the "Parent Companies") set forth in Exhibit 1 hereto: and (ii) the Parent Companies' subsidiaries: (a) that are wholly owned by a Parent Company, or (b) whose financial results are consolidated into a Parent Company's reported financial results, or (c) that are reasonably understood to be under the control of a Parent Company (each a "Subsidiary" and collectively the "Subsidiaries"), provided further that the Subsidiary's primary business is in competition with Howmet's business.

For purposes of this definition, "control", when used with respect to a Subsidiary, means the power to direct the management and policies of such

party, directly or indirectly, whether through ownership of voting securities, by contract or otherwise.

2. <u>Amendments to the Agreement</u>. The Agreement is hereby amended as of the Second Amendment Effective Date as follows:

- A. Schedule 2 of the Agreement is hereby deleted in its entirety and replaced by the version attached hereto.
- B. In consideration for the changes made in this Second Amendment to Schedule 2:

i. Alcoa shall pay Howmet \$350,000.00 (three hundred fifty thousand United States Dollars) within thirty (30) days of the Second Amendment Effective Date. All payments made by Alcoa to Howmet hereunder shall and will be payable in United States Dollars in immediately available funds to an account designated by Howmet via Electronic Funds Transfer (EFT) or such other electronic payment form as agreed to in writing by Howmet.

ii. Absent Howmet's express written consent, which consent may be withheld by Howmet in Howmet's sole discretion, Alcoa agrees not to license (or permit any third-party to license or sublicense) Competitors of Howmet to: (i) make Advanced Ceramics Products using Technology (including without limitation as set forth in Schedule 5), unless such Advanced Ceramic Products are for Smelting Applications; and/or (ii) sell, offer for sale, import, export, or otherwise convey Advanced Ceramics Products produced using such Technology unless such Advanced Ceramics Products are sold thereto by Alcoa.

3. <u>No Other Amendments; Confirmation</u>. Except as expressly amended hereby, the provisions of the Agreement are and shall remain in full force and effect. Nothing herein shall be deemed to entitle either Party to a consent to, or a waiver, amendment, modification or other change of, any of the terms, conditions, obligations, covenant or agreements contained in the Second Amendment other than as provided herein.

4. <u>Severability</u>. If any term, provision, covenant or condition of this Second Amendment is held invalid or unenforceable for any reason, the remaining provisions of this Second Amendment shall continue in full force and effect as if this Second Amendment had been executed with the invalid portion eliminated, provided the effectiveness of the remaining portions of this Second Amendment will not defeat the overall intent of the Parties. In such a situation, the Parties agree, to the extent legal and possible, to incorporate a replacement provision to accomplish the originally intended effect.

5. <u>Electronic/Facsimile Signatures; Counterparts</u>. The Parties agree that a facsimile or electronically-copied signature has the same effect as an original signature. This Second Amendment may be executed in multiple copies, each of which is an original and all of which constitute one instrument.

IN WITNESS WHEREOF, the Parties hereto have executed this Second Amendment or caused the same to be executed by a duly authorized officer as of the Second Amendment Effective Date.

ALCOA USA CORP.	HOWMET AEROSPACE INC.
/s/ Benjamin D. Kahrs	/s/ Michael Chanatry
By: Signature	By: Signature
Benjamin D. Kahrs	Michael Chanatry
Name:	Name:
Executive Vice President	Vice President & Chief Commercial Officer
Title:	Title:
Pittsburgh, PA – Alcoa	Westchester, OH - Howmet
Place:	Place:
10/18/21	10/18/21
Date:	Date:

SCHEDULE 2: ADVANCED CERAMICS PRODUCTS

"Advanced Ceramics Products" means products made using certain proprietary advanced ceramic processes, but excluding Technology pertaining to boron nitride.

"Smelting Applications" means products for use in smelting or refining or molten metal processing, as well as ceramic armor (other than boron nitride for ceramic armor), TiB₂ applications in electronics tooling, and TiB₂ applications in semi-conductor tooling applications.

The license granted with respect to Technology (including without limitation as set forth in Schedule 5) and pertaining to Advanced Ceramics Products is a worldwide, non-exclusive, royalty-free right and license (with no right to sublicense other than to joint ventures controlled by Licensee) to make and have made and to use and have used solely for the Licensee's internal uses (including joint ventures) any Advanced Ceramics Products that are not Smelting Applications.

Licensor retains the exclusive rights of ownership of all Technology (including without limitation as set forth in Schedule 5) pertaining to Advanced Ceramics Products.

Licensee shall have a non-exclusive license (with no right to sublicense) to use the Advanced Ceramics Products that are smelting or molten metal processing on projects related to smelting metals other than aluminum for its internal use (including joint ventures) only.

Licensee shall have an exclusive (even as to Licensor) license for all applications containing boron nitride.

For a period of four (4) years following the Effective Date, subject to obligations of confidentiality, each party will provide the other with details of Improvements relating to the vertical reactor only. Each party agrees to license and hereby licenses to the other party any such Improvements on a worldwide, non-exclusive, royalty-free and perpetual basis.

Licensor will provide Licensee with access to complete engineering and electrical drawings for all vertical reactor equipment and copies of all laboratory reports relating to the vertical reactor generated prior to the Effective Date. All such drawings and laboratory reports will be considered "Confidential Information" for the purposes of this Agreement.

Licensor will grant access to the vertical reactor to Licensee to produce powders for Licensee's commercialization efforts under the terms of "Schedule ATC-01: Ceramics" to the Transition Services Agreement between Licensor and Licensee ("TSA"). Licensee will pay Licensor's then current overhead rate to Licensor for such access to the vertical reactor. Licensee's access to the vertical reactor during 2017 will be limited to approximately 50% of the vertical reactor's available time and approximately 25% of the vertical reactor's available time in 2018. Licensee will not have access to the vertical reactor after 2018. Licensee acknowledges that the vertical reactor is subject to three-months' downtime each year due to the need to change tubes. If Licensee does not utilize its access to the vertical reactor as granted in this Schedule 2 then Licensor is free to use this time. Licensee will provide Licensor with a rolling two-month

forward looking schedule of its desired access time to the vertical reactor. In the event of a conflict between the terms of this Schedule 2 and the TSA, the terms of the TSA will prevail.

Amendment No .1

PATENT, KNOW-HOW, AND TRADE SECRET LICENSE AGREEMENT – HOWMET AEROSPACE INC. TO ARCONIC CORP.

This Amendment No. 1 ("Amendment-1") is entered effective as of August 25, 2020 and amends that Patent, Know-How, and Trade Secret License Agreement (the "Agreement") made and entered into as of the 31st day of March, 2020 and effective as of 12:01 a.m. on April 1, 2020, by and between ARCONIC INC., a corporation then organized under the laws of Delaware ("Licensor") and ARCONIC ROLLED PRODUCTS CORP., a corporation then organized under the laws of Delaware ("Licensee"). Unless defined in this Amendment-1, all capitalized terms used herein shall have the same meanings as set forth in the Agreement.

WHEREAS, the Parties recognize and acknowledge that after the Agreement was executed: (a) Arconic Inc. (the "Licensor") legally changed its name to "Howmet Aerospace Inc."; and (b) Arconic Rolled Products Corp. (the "Licensee") legally changed its name to "Arconic Corporation";

WHEREAS, further to the above-mentioned name changes of Licensor and Licensee, the Parties recognize and acknowledge that references to: (a) "Licensor" shall mean Howmet Aerospace Inc.; and (b) "Licensee" shall mean Arconic Corporation; and

WHEREAS, the Parties now wish to amend certain deliverable due dates set forth in Schedule 4 of the Agreement,

NOW THEREFORE, in consideration of the mutual covenants and promises contained in this Amendment-1 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, Licensor and Licensee agree to amend the Agreement follows:

- 1. In Schedule 4, Table 1, Service ID #1:

 - a. the hours are changed from "200" to "300"; andb. the amount is changed from "\$46,200" to "\$69,300".
- 2. In Schedule 4, the deliverable due date in Table 1 for Service ID #2 is changed from "December 31, 2020" to "June 30, 2021".
- 3. In Schedule 4, Table 1, last row:

 - a. the total labor hours are changed from "520" to "620"; andb. the total labor amount is changed from "\$120,120" to "\$143,220".
- 4. In Schedule 4, Table 3:
 - a. the labor amounts total is changed from "\$120,120" to "\$143,220"; and
 - b. the grand total is changed from "\$145,120" to "\$168,220".

There are no other changes to the Agreement or SOW-1.

COUNTERPARTS. This Amendment-1 may be executed in any number of counterparts, which together shall constitute one and the same document.

IN WITNESS WHEREOF, the Parties have caused this Amendment-1 to be executed by their duly authorized representatives as of the date first above written.

ARCONIC CORPORATION By: <u>/s/ John F. Butler, Jr.</u> Name: <u>John F. Butler Jr.</u> Title: <u>VP Technology & Engineering</u> Date: <u>September 16, 2020</u>

HOWMET AEROSPACE INC. By: <u>/s/ Frederic T. Tenney</u> Name: <u>Frederic T. Tenney</u> Title: <u>Chief Intellectual Property Counsel</u> Date: <u>September 16, 2020</u>

Exhibit 10(g)

HOWMET AEROSPACE HOURLY RETIREMENT SAVINGS PLAN

AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

HOWMET AEROSPACE HOURLY RETIREMENT SAVINGS PLAN

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Howmet Aerospace Hourly Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 ii

HOWMET AEROSPACE HOURLY RETIREMENT SAVINGS PLAN AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

HISTORY AND PURPOSE

The Howmet Aerospace Hourly Retirement Savings Plan (the "Plan") is maintained for the exclusive benefit of eligible employees of Howmet Aerospace Inc. and its subsidiaries who are paid on an hourly basis, including both collectively bargained and non-bargained employee populations. The Plan is a defined contribution, individual account plan which incorporates an Internal Revenue Code Section 401(k) wage reduction arrangement, intending to qualify under Section 401(a) of the Internal Revenue Code, for the exclusive benefit of its eligible employees.

Prior to January 1, 1993, the Plan was known as the Alcoa Pre-Tax Savings Plan for Bargaining Employees. It had been initially adopted effective July 3, 1986, and was subsequently amended and restated from time to time thereafter, as described in Schedule A.

Effective January 1, 2011, the Plan was renamed the Alcoa Retirement Savings Plan for Bargaining Employees. Effective January 1, 2015, the Plan was amended and restated to incorporate provisions of Plan amendments adopted and new laws and regulations that have come into effect since the January 1, 2010, amendment and restatement of the Plan.

Effective August 1, 2016, in anticipation of the separation of Alcoa Inc., Alcoa USA Corp. established the Retirement Savings Plan for Hourly Employees of Alcoa USA Corp. ("Alcoa USA Plan"), and the accounts attributable to all Participants who were employees or former employees at the locations identified on <u>Schedules C-1, C-2</u> were spun off to the Alcoa USA Plan. Effective August 1, 2016, this Plan was renamed as Arconic Bargaining Retirement Savings Plan. No person is entitled to a benefit under both plans.

In anticipation of its separation into two separate publicly-traded companies, effective January 1, 2020, immediately after the transfer of assets and liabilities attributable to salaried employees and former salaried employees held in the Arconic Fastener Systems and Rings Retirement Savings Plan to the Arconic Salaried Retirement Savings Plan, Arconic Inc. (a) merged the Arconic Fastener Systems and Rings Retirement Savings Plan with and into the Arconic Hourly Non-Bargaining Retirement Savings Plan, (b) merged the Arconic Hourly Non-Bargaining Retirement Savings Plan with and into this Plan. The Arconic Hourly Non-Bargaining Retirement Savings Plan ceased to exist as of 11:59 p.m. on December 31, 2019. The Plan was renamed the Arconic Hourly Retirement Savings Plan, effective January 1, 2020.

Effective February 1, 2020, in anticipation of its separation into two separate publicly-traded companies, Arconic Rolled Products Corporation established the Arconic Corp. Hourly 401(k) Plan, and the accounts attributable to all Participants who were employees or former employees at the locations identified on <u>Schedules C-3 and C-4</u> were spun off to the Arconic Corp. Hourly 401(k) Plan. No person is entitled to a benefit under both plans.

Howmet Aerospace Hourly Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

Effective February 1, 2020, this Plan was renamed as the Howmet Aerospace Hourly Retirement Savings Plan.

Effective January 1, 2021, the Plan is hereby amended and restated again to incorporate provisions of prior Plan amendments adopted since the January 1, 2015, restatement of the Plan as well as to reflect new laws and regulations that have come into effect since the January 1, 2015, restatement of the Plan.

The Plan is the survivor plan as the result of mergers with several Subsidiaries' plans. <u>Schedule A</u> attached hereto contains the details and provisions related to such mergers.

The Plan is intended to be construed in accordance with any regulatory guidance issued with respect to such new laws and regulations.

Effective January 1, 2002 the Alcoa Stock Fund was replaced with an employee stock ownership plan, within the meaning of Section 4975(e) of the Code. The assets held in the ESOP must be invested primarily in employer securities as defined in Code Section 409(l). Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation Stock Fund (a non-employer stock fund). The Alcoa Corporation Stock Fund was liquidated approximately one year after its establishment. Effective April 1, 2020, Arconic Inc. separated into two-separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. This corporate action resulted in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock-fund). The Arconic Corporation Stock Fund will be liquidated approximately one year after its establishment.

DEFINITIONS

For the purpose of this Plan, unless a different meaning is plainly required by the context:

AFFILIATE means any non-corporate business entity or corporate business entity without voting stock, as such, which Howmet Aerospace and/or one or more Subsidiaries control in fact.

AFTER-TAX SAVINGS means such portions of the total amounts contributed to the Plan by a Participant in accordance with Section 2 that are not accorded favorable tax treatment under Section 401(k) of the Code, but not including contributions made by a Participant in excess of the annual limit on 401(k) contributions under Code Section 402(g) or in excess of the "average deferral percentage limit" of Section 401(k) (3) of the Code.

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ALCOA SEPARATION DATE shall mean the legal separation of Alcoa Inc. into two separate publicly traded companies (Alcoa Inc. and Arconic Inc.) that occurred on November 1, 2016.

ARCONIC SEPARATION DATE shall mean the legal separation of Arconic Inc. into two separate publicly traded companies (Arconic Corporation and Howmet Aerospace Inc.) that occurred on April 1, 2020.

AUTOMATIC ENROLLMENT or AUTOMATICALLY ENROLLED means the automatic default enrollment in the Plan described in Sections 1(b) and 2(c) and applicable to Eligible Employees who do not opt out of the Plan.

AUTOMATIC PRE-TAX RATE ESCALATION means the feature that is effective with Automatic Enrollment or that may be elected by a Participant, in which the rate of Payroll Deduction for Pre-Tax Savings is increased until a target Payroll Deduction rate is reached. The Automatic Pre-Tax Rate Escalation will increase effective April 1 of each year.

AUTOMATIC REBALANCING means the feature described in Section 8(d).

BARGAINING AGREEMENTS means the collective bargaining agreements entered into between a Participating Employer and one or more of the unions designated in <u>Schedule B-1</u>.

BARGAINED ELIGIBLE EMPLOYEE means an Eligible Employee whose participation in the Plan is subject to a Bargaining Agreement.

BARGAINED PARTICIPANT means a Bargained Eligible Employee who is a Participant under the Plan.

BENEFICIARY means the recipient or recipients designated by a Participant, in accordance with Section 22 of the Plan, to receive benefits in the event of the Participant's death as either a primary beneficiary, or a contingent beneficiary who will receive benefits in the event the primary beneficiary predeceases the Participant.

BENEFITS INVESTMENTS COMMITTEE means the Benefits Investments Committee of Howmet Aerospace, which shall have authority over the investment of Plan assets as described herein and over the selection of the Core Funds.

BENEFITS MANAGEMENT COMMITTEE means the administrative committee of one or more persons appointed by the Board that interprets and administers the Plan in accordance with Section 19.

BOARD means the Board of Directors of Howmet Aerospace.

BROKERAGE ACCOUNT means the investment option whereby a Participant may invest and personally manage investments outside the Core Funds as described in Section 16(h).

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BUSINESS DAY means any day on which the Plan Administrator, Designee and New York Stock Exchange is open for business.

CODE means the Internal Revenue Code of 1986, as amended.

COLA SAVINGS means the cost of living amounts determined in accordance with all hours worked by the participant as of the dates such amounts are calculated and allocated to a Participant's Pre-Tax Savings account for the next Payroll Period in which such amounts would have been paid to the Participant during a Plan Year, in lieu of the Participant receiving said amounts as wages. Such allocations shall be made in accordance with the terms and conditions of the Bargaining Agreements entered into between Howmet Aerospace and the Aluminum Workers. Cola Savings shall be accorded favorable tax treatment under Section 401(k) of the Code.

COMPANY STOCK means common stock of Howmet Aerospace and any substituted security under Section 16.

CONTINUOUS SERVICE means, except as modified by the balance of this definition with respect to certain Participant populations, the period of continuous employment with Howmet Aerospace, a Subsidiary or Affiliate, either as a salaried employee or as an hourly-rated employee, commencing with the Participant's Employment Commencement Date or Reemployment Commencement Date. Continuous Service terminates on the Participant's Severance from Service Date. Continuous Service upon reemployment does not include any Continuous Service accrued prior to a termination of Continuous Service, except as follows:

A Participant who incurs a Severance from Service Date and thereafter has a Reemployment Commencement Date, will have his or her Continuous Service on the Severance from Service Date reinstated if the period between his or her Severance from Service Date and his or her Reemployment Commencement Date is less than the greater of (a) five years or (b) the aggregate number of years of Continuous Service earned before the Severance from Service Date.

CORE FUND means any investment vehicle (including the Howmet Aerospace Stock Fund and Target Maturity Funds) for Pre-Tax Savings, After-Tax Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Restricted Discretionary Contributions, Employer Retirement Income Contributions, or Retiree Medical Savings Contributions, but excluding the Brokerage Account. The Benefits Investments Committee will determine the Core Funds, and may make changes to the composition of the funds from time to time.

CURRENT MARKET VALUE means with respect to any investment allocated to the accounts of any Participant in the Core Funds, the unitized value of the securities and cash of the investment in the applicable Fund as of a specified date, less any fees provided for in Section 21, valued in accordance with a procedure adopted by the investment manager for the Investment Fund and acceptable to the Benefits Investments Committee.

DESIGNEE means such entity as may be chosen from time to time by the Plan Administrator and approved by the Benefits Management Committee to handle certain specified administration functions of the Plan.

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DISCRETIONARY CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(b).

EFFECTIVE DATE with respect to a distribution has the meaning prescribed in Section 13, with respect to a transfer has the meaning prescribed in Section 9 and with respect to a qualified domestic relations order has the meaning prescribed in Section 14.

ELIGIBLE COMPENSATION means: (i) the regular base salary and if applicable, the base salary adjustment (where commission payments constitute all or part of an employee's remuneration, the commissions actually paid as remuneration during a regular pay period will be used to determine the Eligible Compensation for such employee). For the foregoing purpose, only amounts up to one hundred percent (100%) of the target sales incentive payment paid to salaried employees and established by the Company shall constitute Eligible Compensation under this Plan. Any sales incentive payment exceeding one hundred percent (100%) of the target will not be Eligible Compensation; (ii) the regular hourly wages and if applicable: cash cola, regular vacation pay, witness pay, holiday advance pay (for a holiday not worked), bereavement pay, shift differential, jury pay, job upgrades, schedule premium, income adjustments, and wage adjustments which are payable during such periods as the employee savings, Eligible Compensation shall also include performance pay for employees who are members of the United Autoworkers union (Union Code 302) at the Cleveland, Ohio Location (Location Code: CLE) of Howmet Aerospace Inc. (Company Code 010) ("Performance Pay"). In no event may the amount of Eligible Compensation for any Participant during any Plan Year, for any purposes under this Plan, exceed \$290,000, as adjusted for any Plan Year for cost-of-living increases in accordance with Section 401(a)(17)(B) of the Code applicable to that calendar year.

In addition to the forgoing, for purposes of allocating Employer Retirement Income Contributions as indicated in <u>Schedule B-1</u>, Eligible Compensation will include any Variable Compensation Awards or incentive compensation payable during such periods as the employee is an Eligible Employee as determined by the Participating Employers. In addition to the forgoing, for purposes of allocating Employer Retirement Income Contributions as indicated in <u>Schedule B-1</u>, Eligible Compensation will include the amount of any sales incentive payments paid to salaried employees exceeding one hundred percent (100%) of the target sales incentive payment.

In addition, Eligible Compensation will include additional amounts set forth in Section 2(a) or 2(d) for the limited purposes contained therein.

ELIGIBLE EMPLOYEE means any person who meets all of the following conditions:

(a) (1) is a resident or citizen of the U.S., employed by a Participating Employer at a participating Company (Company Code) and specified location (Location Code), as indicated in <u>Schedule B-1</u> (including individuals temporarily assigned to non-U.S. locations),

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Howmet Aerospace Hourly Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 (2) Is not a U.S. resident or citizen, but is employed by a Participating Employer at a participating Company (Company Code) and specified location (Location Code), as indicated in <u>Schedule B-1</u> on a long term assignment and has been localized to that location's payroll and benefits; and

(b) is a Full-Time Employee or a Part-Time Employee and who receives regular compensation in the form of: (1) a weekly, semimonthly or monthly salary, (2) periodic commissions, (3) an hourly wage, and who meets all of the following conditions:

(c) Is not in a unit of employees covered by a Bargaining Agreement, unless such Bargaining Agreement provides for the application of the Plan to the employees in such unit; and; or

(d) Eligible Employee shall not include any person who is eligible to participate in the Arconic Corp. Hourly 401(k) Plan prior to the Arconic Separation Date.

(e) Eligible Employee shall not include any person who is eligible to participate in the Alcoa USA Plan prior to the Alcoa Separation Date.

(f) Is not in a group of employees excluded from coverage under the Plan by the Benefits Management Committee, or the appropriate governing body of a Participating Employer, which is uniform in application to all employees similarly situated.

A person employed as an expatriate at a location outside the United States will be deemed to be employed at the Company and location from which he or she is transferred.

(g) Is a Temporary Employee who, in addition to meeting the above described terms and conditions (other than (b)), has at least one year of Continuous Service.

The following will in no case be Eligible Employees: agency, leased, contract employees and other individuals who are not on the payroll of the Company, as determined by the Company, without regard to any court, or agency decision determining common-law employment status. A Leased Employee is excluded from participation in the Plan. A Leased Employee means any person who is not an employee of any Participating Employer and who provides services if:

a) such services are provided pursuant to an agreement between the recipient Participating Employer and any other person or a leasing organization,

b) such person has performed such services for the recipient Participating Employer on a substantially full-time basis for a period of at least one year, and

c) such services are performed under the primary direction or control of the recipient Participating Employer,

or as otherwise defined in Section 414(n) of the Code.

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Any former Leased Employee, upon becoming an Eligible Employee, will receive Continuous Service credit for all prior service performed with the recipient Participating Employer as a Leased employee prior to becoming an Eligible Employee.

Notwithstanding anything contrary in the Plan, effective for Plan years beginning after December 31, 2020, any nonbargained employee working at least 500 Hours of Service during each of three consecutive twelve-month periods ("LTPT Employee") becomes an Eligible Employee for purposes of making Employee Savings. No twelve-month period beginning before January 1, 2021 is taken into account.

EMPLOYER RETIREMENT INCOME CONTRIBUTIONS (ERIC) means an amount equal to the percentage of Eligible Compensation specified in Section 5 that is contributed to Eligible Employees hired or rehired on or after March 1, 2006, or as indicated in Schedule B in accordance with Section 5 and as indicated in <u>Schedule B-1</u>, to the Eligible Employees of a specified location without regard to Employment Commencement Date or Reemployment Commencement Date, unless an Employment Commencement Date or Reemployment Commencement Dates otherwise specified.

EMPLOYMENT COMMENCEMENT DATE means the date on which an Eligible Employee is first employed by and performs an Hour of Service for Howmet Aerospace, a Subsidiary or an Affiliate as a Full-Time Employee or a Part-Time Employee, or with respect to an individual described in subsection (e) of the definition of Eligible Employee, a Temporary Employee.

ERISA means the Employee Retirement Income Security Act of 1974 as amended.

ESOP or EMPLOYEE STOCK OWNERSHIP PLAN means the Howmet Aerospace Stock Fund as described in Section 16(e).

FINANCIAL HARDSHIP means an immediate and heavy financial need which a Participant is not able to meet from other reasonably available resources. An immediate and heavy financial need includes:

(a) Extraordinary medical expenses incurred by the Participant, the Participant's spouse, dependents of the Participant, or primary Beneficiary;

(b) Purchase, excluding mortgage payments, of a principal residence for the Participant;

(c) Payment of tuition for the next year of post-secondary education for the Participant, his or her spouse, children, dependents or primary Beneficiary;

(d) Expenses necessary to prevent eviction of the Participant from his principal residence, or foreclosure on the mortgage of the Participant's principal residence;

(e) Funeral expenses of a family member or primary Beneficiary;

(f) Expenses to repair damage to the Participant's principal residence that would qualify for a casualty loss deduction under Code Section 165, such amounts will be determined without regard to Code Section 165(h)(5); and

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(g) All other expenses that the Internal Revenue Service will accept as an immediate and heavy financial need.

A withdrawal will be deemed to be necessary to satisfy an immediate and heavy financial need of a Participant if all of the following requirements are satisfied:

(i) The withdrawal is not in excess of the amount of the immediate and heavy financial need (including taxes on such withdrawal) of the Participant,

(ii) The Participant has obtained all distributions, other than hardship withdrawals, and all nontaxable loans currently available under all plans maintained by the Participating Employer (unless such a loan would contribute to the hardship),

(iii) The Plan, and all other qualified and non-qualified plans of deferred compensation maintained by all Participating Employers (other than health and welfare or contributory defined benefit plans), provided that for hardship withdrawals made before January 1, 2019, the Participant's Savings will be suspended for at least 6 months after receipt of the hardship withdrawal, and

(iv) The Participant represents in writing (including by using an electronic medium as defined in Section 1.401(a)-21(e)(3)), that the Participant has insufficient cash or other liquid assets reasonably available to satisfy the financial need.

Based upon the foregoing provisions, the Designee determines whether or not a Participant has incurred a Financial Hardship.

FIXED INCOME FUND means a stable value fund whose investments are designed to preserve principal savings while providing a steady rate of return. The Fixed Income fund is a Core Fund.

FULL-TIME EMPLOYEE means an active employee who works 100 percent of a regular work schedule for the location where he or she is employed.

HOUR OF SERVICE means:

(a) Each hour for which an employee is paid or entitled to payment for the performance of duties for Howmet Aerospace, a Subsidiary or Affiliate;

(b) Each hour for which an Employee is paid or entitled to payment by Howmet Aerospace, a Subsidiary or Affiliate on account of a period during which no duties are performed, whether or not the employment relationship has terminated, due to vacation, holiday, illness, incapacity (including disability), layoff, jury duty, military duty, or leave of absence; and

(c) Each hour for which back pay, irrespective of mitigation of damages, is either awarded or agreed to by Howmet Aerospace, a Subsidiary or Affiliate excluding any hour credited under (a) or (b) above, which is credited to the computation period or periods

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to which the award, agreement or payment pertains, rather than to the computation period in which the award, agreement or payment is made.

HOWMET AEROSPACE means Howmet Aerospace Inc. (formerly known as Arconic Inc. prior to April 1, 2020 when Arconic Inc. legally separated into two publicly-traded companies -- Howmet Aerospace Inc. and Arconic Corporation and formerly known as Alcoa Inc. prior to August 1, 2016 when Alcoa Inc. legally separated into two publicly traded companies – Alcoa Inc. and Arconic Inc.).

HOWMET AEROSPACE STOCK FUND means the ESOP as described in Section 16(e), which initially became effective January 1, 2002, and which was previously known as the Alcoa Stock Fund prior to the corporate separation of Alcoa Inc. and the renaming of Alcoa Inc. effective November 1, 2016; and Arconic Stock Fund prior to the corporate separation of Arconic Inc. and the renaming of Arconic Inc. as Howmet Aerospace Inc., effective April 1, 2020.

INVESTMENT FUND means any Core Fund and the Brokerage Account.

KEY EMPLOYEE means any employee or former employee (including any deceased employee) who at any time during the Plan Year that includes the determination date, as defined in Section 416(g)(4)(c) of the Code, was i) an officer of a Participating Employer having annual compensation greater than \$185,000 (as adjusted under Section 416(i)(1) of the Code, ii) a five percent owner of the Participating Employer, or iii) a one percent owner of a Participating Employer having annual compensation of more than \$150,000. For purposes of this paragraph, compensation means compensation as defined in Section 415(c)(3) of the Code, but includes amounts contributed by the Participating Employer pursuant to a salary reduction agreement which are excludable from the Participant's gross income under Section 125, 402(a), Section 401(h), Section 401(b), and Section 132(f)(4).

LAYOFF or **LAID-OFF** means the absence from employment due to a reduction of a Participating Employer's work force due to lack of work, where it is intended that the Participant will be subject to recall and in case of a Non-Bargained Eligible Employee, the Participant has not been placed on a Temporary Layoff. A Layoff ends on the earlier of the effective date of a recall or the date the Participant's service terminates, and such Layoff has continued for at least twenty-four months calculated from the first day of the Lay Off.

LEASED EMPLOYEE means any person who is not an employee of, and who provides services to, Howmet Aerospace if (A) such services are provided pursuant to an agreement between Howmet Aerospace and any leasing organization, (B) such person has performed such services for the Howmet Aerospace on a substantially full-time basis for a period of at least 1 year, and (C) such services are performed under the primary direction or control of Howmet Aerospace.

NEGOTIATED DEFERRAL CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(a).

NON-BARGAINED ELIGIBLE EMPLOYEE means an Eligible Employee whose participation in the Plan is <u>not</u> subject to a Bargaining Agreement.

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NON-BARGAINED PARTICIPANT means a Non-Bargained Eligible Employee who is a Participant under the Plan.

NORMAL RETIREMENT AGE means the time a Participant attains age 65.

PART-TIME EMPLOYEE means an active employee who works at least 50 percent but less than 100 percent of the regular work schedule for the location where he or she is employed.

PARTICIPANT means:

(a) an Eligible Employee who has elected to participate in the Plan in accordance with the provisions of Section 1, or who receives Employer Retirement Income Contributions, Discretionary Contributions, Restricted Discretionary Contributions, Negotiated Deferral Contributions, or Retiree Medical Savings Contributions, or who is Automatically Enrolled in the Plan. Such a person continues as a Participant so long as he or she has an account balance in the Plan. Notwithstanding the foregoing, a contractor, agency employee, temporary employee or Leased Employee is not a Participant under the Plan, or

(b) an Eligible Employee who is employed with a Participating Employer on December 31 of any Plan Year where such Participating Employer has elected to make a Negotiated Deferral Contribution for that Plan Year.

(c) Effective August 1, 2016, all accounts of Participants who were employees or former employees at the locations identified on <u>Schedules C-1 and C-2</u> were spun off to the newly-formed Retirement Savings Plan for Hourly Employees of Alcoa USA Corp. ("Alcoa USA Plan") and such individuals ceased to be Participants in this Plan. In the event that an employee transferred to a company and location identified on Schedule B-2 shown in the January 1, 2015 edition of the Plan, as amended prior to the Alcoa Separation Date, the Alcoa USA Plan transferred such individual's account to this Plan as soon as administratively feasible and such individual once again became a Participant in this Plan.

(d) Effective February 1, 2020, all accounts of Participants who were employees or former employees at the locations identified on <u>Schedules C-3 and C-4</u> were spun off to the newly-formed Arconic Corp. Hourly 401(k) Plan and such individuals ceased to be Participants in this Plan. In the event that an employee was transferred to a company and location identified on <u>Schedule B-1</u> prior to the Arconic Separation Date, the Arconic Corp. Hourly 401(k) Plan transferred such individual's account to this Plan as soon as administratively feasible and such individual once again became a Participant in this Plan. If an employee is transferred to a company or location identified on <u>Schedules C-3 and C-4</u> prior to the Arconic Separation Date, this Plan transferred such individual's account to the Arconic Corp. Hourly 401(k) Plan as soon as administratively feasible and such individual ceased participation in this Plan and became a participant in the Arconic Corp. Hourly 401(k) Plan.

PARTICIPATING EMPLOYER means Howmet Aerospace, except as specified hereafter, and any other entity in which Howmet Aerospace or one or more Subsidiaries or Affiliates have an ownership interest, and that is authorized by Arconic to participate in the Plan and which adopts the Plan by proper action of its board of directors or other governing body, provided that each said entity agrees to reimburse Howmet Aerospace

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from time to time upon demand for its proper portion of the expenses and contributions required to carry out the provisions hereof and of the agreement under which the assets of the Plan are held or managed. <u>Schedule B-1</u> lists applicable locations of Participating Employers.

PARTICIPATING EMPLOYER CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 3.

PARTICIPATION DATE means the date on which an Eligible Employee commences participation in the Plan.

PAYROLL DEDUCTIONS means the Pre-Tax Savings and After-Tax Savings based on a reduction of the Participants' Eligible Compensation for the applicable Payroll Period.

PAYROLL PERIOD means the regularly scheduled payroll cycles in which a Participant earns Eligible Compensation.

PERMANENT LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be subject to recall. A Participant's Continuous Service for purposes of the Plan will be terminated on the first day of Permanent Layoff.

PERMANENT SHUTDOWN means the permanent shutdown, as determined by a Participating Employer, of a plant, department or substantial portion thereof, of a Participating Employer at which a Participant who is affected thereby is employed.

PLAN means the Howmet Aerospace Hourly Retirement Savings Plan, as amended and restated, effective January 1, 2021, and as may be amended from time to time. Prior to February 1, 2020, the Plan was named the Arconic Hourly Retirement Savings Plan.

PLAN ADMINISTRATOR means the Benefits Management Committee.

PLAN YEAR means the calendar year.

PRE-TAX CATCH-UP CONTRIBUTIONS means contributions permitted under Section 414(v) of the Code, as described in Section 2(k) of the Plan.

PRE-TAX SAVINGS means the amount by which a Participant has elected to reduce his or her Eligible Compensation and defer the receipt thereof in accordance with Section 2, and the contribution of the said amount to the Plan, or an amount by which a Participant's Eligible Compensation (other than Performance Pay) is deferred and contributed to the Plan pursuant to Automatic Enrollment.

PROPERLY RECEIVED means any request to participate, to change participation in the Plan, for suspension of Payroll Deductions, to discontinue Automatic Pre-Tax Rate Escalation, for a transfer between investments in accordance with Sections 8 or 9, to discontinue Automatic Investment Rebalancing, or a for a withdrawal in accordance with either Section 10 or 11, or submission of a beneficiary designation, consent or revocation in accordance with Section 22, made to the Plan Administrator or its

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Designee in a manner designated by the Plan in accordance with uniform rules established by the Plan Administrator.

QUALIFIED DEFAULT INVESTMENT ALTERNATIVE or QDIA means the Targeted Maturity Funds to which the Plan may direct the assets of a Participant's account in the absence of Participant investment direction. Each Participant's account will be invested in the appropriate Targeted Maturity Fund based on the Participant's year of birth.

QUALIFIED INDIVIDUAL means any individual (Participant, alternate payee, Beneficiary) who meets one or more of the criteria described in paragraphs (1), (2), (3), or (4). Participants, alternate payees and Beneficiaries of deceased Participants can be treated as Qualified Individuals. The Plan Administrator may rely on an individual's certification that the individual satisfies a condition to be a Qualified Individual unless the Plan Administrator has actual knowledge to the contrary. In applying the criteria, "COVID-19" means either the virus SARS–CoV–2 or coronavirus disease 2019; "an approved test" means a test approved by the Centers for Disease Control and Prevention (including a test authorized under the Federal Food, Drug, and Cosmetic Act); and a "member of the individual's household" means someone who shares the individual's principal residence. The criteria are as follows:

- (1) The individual was diagnosed with COVID-19 by an approved test;
- (2) The individual's spouse or dependent (as defined in Code §152) was diagnosed with COVID-19 by an approved test;
- (3) The individual has experienced adverse financial consequences because: (a) the individual or the individual's spouse, or a member of the individual's household was quarantined, furloughed or laid off, or had work hours reduced due to COVID-19; (b) the individual, the individual's spouse, or a member of the individual's household was unable to work due to lack of childcare due to COVID-19; (c) A business owned or operated by the individual's spouse, or a member of the individual's household closed or reduced hours due to COVID-19; or (d) the individual, the individual's spouse, or a member of the individual's household had a reduction in pay (or self-employment income) due to COVID-19 or had a job offer rescinded or start date for a job delayed due to COVID-19; or
- (4) The individual satisfies any other criteria determined by the Treasury or the IRS, including circumstances provided in IRS Notice 2020-50.

REEMPLOYMENT COMMENCEMENT DATE means the date on which a Participant is first reemployed by a Participating Employer following a Severance from Service Date.

RESTRICTED DISCRETIONARY CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(b).

RETIREE MEDICAL SAVINGS CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(c).

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RETIREMENT means termination of Continuous Service with rights to a pension other than a deferred vested pension benefit under a retirement plan of Howmet Aerospace and/or a Subsidiary and/or an Affiliate, termination of Continuous Service upon or after attainment of age 55 and completion of 10 years of Continuous Service, or Normal Retirement Age.

ROLLOVER CONTRIBUTION means an eligible rollover distribution as described in Section 402(c)(4) of the Code, or a direct transfer of an eligible rollover distribution as described in Section 401(a)(31) of the Code ("Direct Rollover") which is transferred to the Plan pursuant to Section 7.

SAVINGS means the total amount of Pre-Tax Savings and After-Tax Savings contributed to the Plan in accordance with Section 2.

SEVERANCE FROM SERVICE DATE means the date Continuous Service terminates and is the earliest of the date the Eligible Employee quits, retires, is discharged (including Permanent Layoffs), or dies, the first anniversary of the first date he or she is absent due to a Temporary Layoff , or the second anniversary of the first date he or she is absent from work for any other reason (including a disability). Notwithstanding the foregoing, an employee will not be deemed to have terminated from Continuous Service until the second anniversary of the employee's absence, if the absence is due to the pregnancy of the Eligible Employee, the birth of a child of the Eligible Employee or the placement of a child with the Eligible Employee in connection with adoption proceedings, or for purposes of caring for that child for a period beginning immediately following such birth or placement. The period between the first anniversary and second anniversary of the first day of absence will not constitute Continuous Service. Severance from Service Date will also mean the date on which a participant ceases employment with Howmet Aerospace or a Subsidiary in connection with a sale of assets or interest in a Participating Employer and commences employment with the purchaser of such assets or interest, provided there is no transfer to the purchaser of Plan assets and liabilities relating to such participant.

SUBSIDIARY means a corporation, a majority of whose voting stock is owned or controlled by Howmet Aerospace and/or one or more other Subsidiaries.

TARGETED MATURITY FUNDS means the investment vehicles that are pre-mixed funds consisting of varying asset allocations that follow an investment strategy based on a targeted retirement date. Targeted Maturity Funds are Core Funds.

TEMPORARY EMPLOYEE means a person who does not work on a regular schedule, or works less than fifty percent of the regular hours for the location where he or she is employed, or works fifty percent or more of the regular hours for the location but is hired for a specified period of time not to exceed twelve month.

TEMPORARY LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be subject to recall or the Participant has been designated as a temporary recall in the Company's human capital management system (currently, the Global People System), but where there is an expectation that the Participant may return to work within the calendar year. A Participant's Continuous Service will be terminated on the first anniversary of the first day of Temporary Layoff.

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TOTAL AND PERMANENT DISABILITY means disability by injury or disease which, on the basis of medical evidence satisfactory to a medical doctor chosen by the Benefits Management Committee, prevents the employee from engaging in any employment with Howmet Aerospace, a Subsidiary or Affiliate suitable to his or her training and experience and that will be permanent and continuous during the remainder of the employee's life, and the employee is not otherwise employed by Howmet Aerospace, a Subsidiary or Affiliate.

TRUSTEE means the Trustee or Trustees appointed by the Board or its delegate, including but not limited to the Benefits Investments Committee in accordance with the provisions of Section 18.

U.S. means the United States of America.

VARIABLE COMPENSATION AWARDS means performance pay, profit sharing or gain sharing awards or other variable compensation awards as determined by the Participating Employer and approved by the Plan Administrator.

GENERAL PROVISIONS

SECTION 1. PARTICIPATION

An Eligible Employee participates in the Plan:

(a) by submitting an application or request for participation that is Properly Received, or by receiving Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, Participating Employer Contributions, or Employer Retirement Income Contributions; or

(b) by being Automatically Enrolled sixty (60) days following Employment Commencement Date or Reemployment Commencement Date, or after an employee employed on a temporary basis becomes an Eligible Employee.

(c) by being Automatically Enrolled sixty (60) days following the initial participation of a new Company or Location resulting from an acquisition or restructuring of a business unit.

SECTION 2. EMPLOYEE SAVINGS

(a) An Eligible Employee may elect to pay into the Plan through Payroll Deductions properly authorized by such employee, a whole percentage of his or her Eligible Compensation (other than Performance Pay, which can be deferred pursuant to Section 2.b, below). In no event may the amount in Pre-Tax Savings in an amount equal to one through twenty-five percent (25%), and After-Tax Savings equal to one through ten percent (10%), the aggregate of which cannot be greater than twenty-five percent (25%).

(b) An Eligible Employee may also elect to pay into the Plan through Payroll Deductions properly authorized by such employee, a whole percentage of his Performance Pay in ten percent (10%) increments, up to fifty percent (50%).

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(c) An Eligible Employee subject to Automatic Enrollment will be subject to automatic Payroll Deductions equal to three percent of Eligible Compensation for any applicable payroll period, which will be contributed to the Plan as Pre-Tax Savings. Absent the Participant's election of investment funds, such Pre-Tax Savings will be deposited into the appropriate QDIA, as described in Section 8(a). Automatic Enrollment shall not apply to Performance Pay.

(d) Payroll Deductions for Pre-Tax Savings made pursuant to Automatic Enrollment are subject to Automatic Pre-Tax Rate Escalation whereby, providing the Participant has participated in the Plan at least ninety days, the Participant's Pre-Tax Savings rate will be increased by one percent on each April 1 after his or her Participation Date until the Pre-Tax Savings rate attains a target rate of six percent of Eligible Compensation. A Participant may change the percentage rate in whole percentages up to the maximum permitted by the Plan or opt out of Automatic Pre-Tax Rate Escalation at any time in a manner designated by the Plan Administrator that is Properly Received.

Any Participant may elect to begin or end Automatic Pre-Tax Savings Rate Escalation at any time in a manner designated by the Plan that is Properly Received. An election to begin Automatic Pre-Tax Saving Rate Escalation shall designate a beginning Pre-Tax Savings rate, a target rate up to the maximum permitted by the Plan, and an annual rate (in whole percentages) by which the Pre-Tax rate increases until the target rate is attained.

(e) Any employee contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Pre-Tax and After-Tax Savings Accounts, as applicable, as determined by the Plan Administrator, and thereafter be treated like Pre-Tax and After-Tax Savings with respect to withdrawals, loans, and investment options under the Plan. Any protected optional form of benefits provided under said qualified defined contribution plan will be maintained under the Plan.

(f) All Participating Employer Contributions and Negotiated Deferral Contributions, Restricted Discretionary Contributions, Discretionary Contributions, Employer Retirement Income Contributions, and Retiree Medical Savings Contributions are irrevocable, except that any such contribution which was made by a mistake of fact or conditioned upon qualification of the Plan or any amendment thereof under Section 401 of the Code or upon the deductibility of the contribution under Section 404 of the Code, will be returned to the Participating Employer within one year after the payment of the contribution made by mistake, the denial of the qualification or the disallowance of the deduction (to the extent disallowed), whichever is applicable.

(g) A Participant may change his or her election for Payroll Deductions, effective for the first full Payroll Period following the date that such request is Properly Received.

(h) A Participant may direct that Payroll Deductions for Savings be discontinued beginning with the first full Payroll Period following the date that such direction is Properly Received. A Participant may direct that such deductions be resumed beginning with the first full Payroll Period following the date that such direction is Properly Received, except as provided in the definition of Financial Hardship.

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(i) Payroll Deductions are paid to the Trustee as soon as practicable, but no later than the period prescribed by the Department of Labor for depositing contributions.

(j) Additional limitations on Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions and Restricted Discretionary Contributions are provided in Appendices A, B and C. Notwithstanding the foregoing, in the event it is determined by the Benefits Management Committee or its Designee that for any particular month the maximum percentage of Eligible Compensation which a Participant may elect to pay into the Plan as Pre-Tax Savings must be reduced so as to prevent the actual percentage of Pre-Tax Savings for Participants, pursuant to the limitations in the Appendices, the maximum percentage of Pre-Tax Savings for said Highly Compensated Employees may be reduced, for any particular Month to the extent deemed necessary by the Benefits Management Committee or its designee. The said Participants' previously elected percentage of After-Tax Savings will not be affected in any manner by a reduction of the maximum percentage of Pre-Tax Savings.

(k) An Eligible Employee who meets the requirements listed below may make an election for a Plan Year to defer extra Pre-Tax Catch-Up Contributions in an amount that equals an annual maximum amount of six thousand five-hundred dollars (\$6,500), or such other amount adjusted for cost-of-living increases as may be provided by the Secretary of the Treasury pursuant to Section 414(v)(2) (C) of the Code. Eligible Employees who meet the requirements are individuals who i) have attained 50 or will attain age 50 during the applicable taxable year, ii) are contributing no less than six percent (6%) of Eligible Compensation in Pre-Tax Savings; and iii) have submitted an election to make Pre-Tax Catch-Up Contributions for applicable Plan Year.

In the case where a Bargained Participant is awarded back wages pursuant to a settlement or arbitration agreement by which the Bargained Participant is to be "made whole," in the case of an individual who is eligible to make Pre-Tax Catch-Up Contributions, the Bargained Participant may defer any portion of the awarded back wages up to the annual maximum amount of the Pre-Tax Catch-Up Contribution for the current Plan Year, provided an election to defer such amount is submitted prior to the date payment of the awarded back wages is made.

(I) In the case where a Bargained Participant is awarded back wages pursuant to a settlement or arbitration agreement by which the Bargained Participant is to be "made whole" with respect to such award, the Bargained Participant must contribute Pre-Tax Savings attributable to the back wages or portion of back wages awarded pertaining to the current Plan Year only ("Corrective Contributions"). The Corrective Contributions will be based on the percentage of Compensation for Pre-Tax Savings designated by the Participant in an election in effect, or defaulted to pursuant to section 2(b) and 2(c), on the date of the Bargained Participant's termination that preceded the period for which the award has been granted. Notwithstanding the foregoing, contributions of Corrective Contributions may not cause the Bargained Participant's Eligible Compensation to exceed the limitation on compensation imposed by Section 401(a)(17) of the Code, or the limitations described in Appendices A or B.

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(m) A Participant who's compensation is suspended due to an absence from employment due to military leave protected by Uniformed Services Employment and Reemployment Rights Act of 1994 ("USERRA"), may upon his or her return to employment contribute "make up" Pre-Tax Contributions equal to the amount he or she would have contributed except for the absence based upon the Participant's election on file. Such make up contributions must be paid to the Plan during a period that does not exceed the lesser of three (3) times the length of time of the military leave or five (5) years, commencing from the date employment is resumed.

(n) All employee savings and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and not subject to divestment.

SECTION 3. PARTICIPATING EMPLOYER CONTRIBUTIONS (MATCH)

Participating Employer Contributions will be allocated under the Plan to the account of those Participants for whom Pre-Tax Savings are paid into the Plan for such Payroll Period in accordance with Section 2, where the applicable Bargaining Agreement provides or where the Participating Employer with whom the Participant is actively employed has elected to make such contributions. The contributions will be the specific amount for each dollar of the Participant's Eligible Compensation he or she contributes to the Plan as Pre-Tax Savings up to six percent of the Participant's Eligible Compensation. Notwithstanding the above, for purposes of Participating Employer Contributions, Eligible Compensation will not include Performance Pay. <u>Schedule B-1</u> provides a list of Participating Employers and Participating Employer Contributions. Subject to the terms of the Bargaining Agreement, unless disapproved by the Benefits Management Committee, a Participating Employer's election to make or change a Participating Employer Contribution for current and future Plan Years may be made at any time during the Plan Year and continue until changed by the Participating Employer. Participating Employer Contributions will be allocated to the account of Participants to whom Corrective Contributions have been made for the current Plan Year as described in Section 2(1) above.

The amount of all such Contributions are contributed on a Payroll Period basis by the Participating Employer out of current income or accumulated earnings. All Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

All employer contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Participating Employer Contributions and thereafter are treated like Participating Employer Contributions with respect to withdrawals, loans, and investment options under the Plan. Any protected optional form of benefits provided under said merged qualified defined contribution plan will be maintained under the Plan.

SECTION 4. NEGOTIATED DEFERRAL CONTRIBUTIONS, DISCRETIONARY CONTRIBUTIONS, RESTRICTED DISCRETIONARY CONTRIBUTIONS, AND RETIREE MEDICAL SAVINGS CONTRIBUTIONS

(a) Negotiated Deferral Contributions consisting of mandatory COLA Savings shall be allocated to the Pre-Tax Savings account of each Eligible Employee employed on the end of each Payroll Period, in accordance with an applicable Bargaining Agreement.

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Negotiated Deferral Contributions will be made in an amount attributable to the period occurring in the current Plan Year for which an award of back wages is made pursuant to a settlement or arbitration agreement by which the Participant is to be "made whole" with respect to such award.

Notwithstanding the foregoing, Howmet Corporation will contribute Negotiated Contributions under the Plan to the accounts of its Whitehall, MI Eligible Employees on a monthly basis. Such Negotiated Deferral Contributions will be paid to the Trustee within the period of time specified by law.

(b) A Participating Employer for each Plan Year may contribute under the Plan to the account of those Non-Bargained Eligible Employees who are employed with said Participating Employer on the last day of the Plan Year, a Restricted Discretionary Contribution in an amount determined by the Participating Employer, unless disapproved by the Benefits Management Committee. Bargained Employees covered by a collective bargaining agreement in bargaining locations specified in Schedule B-3 who meet the eligibility requirements specified in Schedule B-3 will receive a Restricted Discretionary Contribution in an amount determined in accordance with an applicable Bargaining Agreement, unless disapproved by the Benefits Management Committee. Restricted Discretionary Contributions will be allocated to Eligible Employees based on uniform dollar amounts or whole or partial percentages of Eligible Compensation, as specified in <u>Schedule B-3 for Bargained Eligible Employees</u>. The Restricted Discretionary Contribution will be paid to the Trustee no later than the date fixed by the Bargaining Agreement. The Participating Employer may direct, but is not obligated to direct, the Trustee to promptly invest such amount in the Howmet Aerospace Stock Fund; otherwise, Restricted Discretionary Contributions will be invested in accordance with the provisions of Section 8(b).

(c) Participants covered by the collective bargaining agreement between the master collective bargaining between the Company and the United Steelworkers ratified on or after June 24, 2010 ("Master Agreement"), and Participants in other bargaining locations described in <u>Schedule B-4</u> who meet the eligibility requirements described below will receive Retiree Medical Savings Contributions to their accounts in an amount equal to \$0.40 per hour worked. For purposes of determining Retiree Medical Savings Contributions, hours will be deemed credited with respect to any back pay awards and military leave, but will not include hours not worked, such as but not limited to, hours credited for vacation, holiday, jury or witness pay. Retiree Medical Savings Contributions will be contributed on a payroll basis and the Participant will not be required to be employed on the last day of the Plan Year as a condition to receive the contributions are not subject to withdrawals, distributions prior to termination of employment, or loans. Retiree Medical Savings Contributions will be deposited in the appropriate QDIA, but may be transferred by the Participant from the QDIA to any elected Core Fund at any time.

Participants eligible for Retiree Medical Savings Contributions are Eligible Employees employed at the Master Agreement and other bargaining locations described in the Retiree Medical Savings Contributions table in Schedule B-5 who i) have completed one year of Continuous Service, and ii) have an Employment Commencement Date occurring or are rehired on or after July 1, 2010, regardless of the duration of the period the individual was separated from employment ("Retiree Medical Eligibles").

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(d) A Participating Employer may contribute under the Plan to the account of those Eligible Employees a Discretionary Contribution in an amount determined in accordance with an applicable Bargaining Agreement and as set forth in <u>Schedule B-5</u>. Discretionary Contributions will be allocated to Eligible Employees based on either uniform dollar amounts or whole or partial percentages of Eligible Compensation. The Discretionary Contribution will be paid to the Trustee no later than the date fixed by law for the filing of the Participating Employer's federal income tax return for the year for which the contribution is made, including any extensions of time granted by the Internal Revenue Service for filing the return. The Participating Employer may direct, but is not obligated to direct, the Trustee to promptly invest such amount in the Howmet Aerospace Stock Fund; otherwise, Discretionary Contributions will be invested in accordance with the provisions of Section 8(b).

(e) An Eligible Employee who incurs an absence due to military leave protected by USERRA and eligible to receive Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, or Retiree Medical Savings Contributions will receive those contributions based on the Eligible Compensation or applicable hours that would have been received had the individual remained actively employed during the period of military leave.

SECTION 5. EMPLOYER RETIREMENT INCOME CONTRIBUTIONS (ERIC)

(a) As of the dates indicated in <u>Schedule B-1</u>, (i) Eligible Employees with an Employment Commencement Date or Reemployment Commencement Date specified in <u>Schedule B-1</u> at a Company and Location, designated in <u>Schedule B-1</u> or (ii) a hire or rehire date otherwise specified in <u>Schedule B-1</u> will receive an Employer Retirement Income Contribution in the amount of three percent of applicable Eligible Compensation for the Plan Year. Unless another amount is specified in <u>Schedule B-1</u>, Employer Retirement Income Contributions of three percent of Eligible Compensation will be made to the accounts of Participants on a Payroll Period basis, whether or not employed on the last day of the Plan Year. An Eligible Employee who incurs an absence due to military leave protected by USERRA and eligible to receive Employer Retirement Income Contributions ("ERIC) will receive those contributions based on the Eligible Compensation that would have been received had the individual remained actively employed during the period of military leave.

Withdrawals of Employer Retirement Income Contributions are permitted by Participants who have attained age 59 ¹/₂.

For this purpose, age is determined as of the completed age as of the first day of the calendar year for which ERIC is being made and only complete years of age shall be used; no partial years of age shall be counted.

SECTION 6. NONFORFEITURE OF PARTICIPATING EMPLOYER

CONTRIBUTIONS, NEGOTIATED DEFERRAL CONTRIBUTIONS, RESTRICTED DISCRETIONARY CONTRIBUTIONS, DISCRETIONARY CONTRIBUTIONS, EMPLOYER RETIREMENT INCOME CONTRIBUTIONS, AND RETIREE MEDICAL SAVINGS CONTRIBUTIONS

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All Participating Employer Contributions, Negotiated Deferral Contributions, Restricted Discretionary Contributions, Discretionary Contributions, Employer Retirement Income Contributions, and Retiree Medical Savings Contributions and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and are not subject to divestment. In the event that any Participant has his or her account balance transferred to this Plan from the Howmet Aerospace Niles Bargaining Retirement Savings Plan (prior to February 1, 2020, known as the Arconic Retirement Savings Plan for ATEP Bargaining Employees) prior to the merger of the Howmet Aerospace Niles Bargaining Retirement Savings Plan within and into this Plan, the amount of such Participant's account transferred to this Plan shall become 100% vested and not subject to forfeiture.

SECTION 7. ROLLOVER CONTRIBUTIONS

An Eligible Employee of a Participating Employer who is or may become a Participant may, unless disapproved under objective procedures established by the Benefits Management Committee, make a Rollover Contribution to the Plan. An Eligible Employee's Rollover Contribution is credited to his or her account and thereafter treated like the Participant's Pre-Tax Savings with respect to withdrawals, loans and investment options under the Plan. The Plan does not accept Roth rollovers.

A Participant who received a Coronavirus-Related Distribution (from this Plan and/or another eligible retirement plan as defined in Code §402(c)(8)(B)), at any time during the 3-year period beginning on the day after receipt of the distribution, may make one or more contributions to the Plan, as rollover contributions, in an aggregate amount not to exceed the amount of such distribution.

SECTION 8. INVESTMENTS

(a) <u>Savings and Employer Retirement Income Contributions</u>. Pre-Tax Savings (including Rollover Contributions), After-Tax Savings, and Employer Retirement Income Contributions will be invested, at the election of the Participant, in any of the Core Funds in one percent increments. Pre-Tax Savings of any Participant who is Automatically Enrolled and Employer Retirement Income Contributions made to the account of a Participant who has not made investment election will be contributed to the appropriate QDIA fund, based on the Participant's date of birth.

A Participant may change his or her current investment election or transfer assets deposited by the Plan into a QDIA fund any day of the Plan Year, to be effective for the next following Payroll Period, within the limitations otherwise provided in this Plan, by directing the Plan Administrator or its Designee to make such change which direction is Properly Received.

(b) <u>Participating Employer Contributions, Discretionary Contributions and Restricted Discretionary Contributions</u>. All Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA). Restricted Discretionary Contributions and Discretionary Contributions may be invested in the Howmet Aerospace Stock Fund if directed by the Participating Employer, subject to Section 9, or otherwise invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

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(c) <u>Brokerage Account</u>. A portion of Pre-Tax or After Tax Savings, and Participating Employer Contributions, Discretionary Contributions, Negotiated Deferral Contributions, Restricted Discretionary Contributions, or Employer Retirement Income Contributions subject to transfer as provided in Section 9, or any other amounts invested in the Core Funds may be transferred in amounts of one thousand dollars (\$1,000) or more and reallocated to a Brokerage Account, a self-directed brokerage account that allows a Participant to select and personally manage investment options not otherwise available under the Plan, in accordance with the provisions of Section 16. Any amounts to be withdrawn, loaned or distributed from a Brokerage Account must be first transferred back to the Core Funds, as described in Section 16(h).

(d) <u>Automatic Rebalancing of Investments</u>. A Participant may elect to have his or her account balance automatically rebalanced, or readjusted, at ninety-day intervals, to equal the percentage(s) directed by the Participant for investing such account balance in any Core Fund(s). The Participant may cancel Automatic Rebalancing at any time in a manner designated by the Plan Administrator that is Properly Received.

SECTION 9. TRANSFERS BETWEEN INVESTMENTS

(a) <u>Transfer of Savings, Participating Employer, Negotiated Deferral, Restricted Discretionary Contributions,</u> <u>Discretionary Contributions, and Employer Retirement Income Contributions</u>. A Participant may elect to transfer in whole percentage increments all or part of the Current Market Value of his or her Pre-Tax Savings, After Tax Savings, Participating Employer, Negotiated Deferral Contributions, Restricted Discretionary Contributions, Discretionary Contributions or Employer Retirement Income Contributions subject to the following:

(1) Transfers from any one or more Core Funds to the Brokerage Account may be made in amounts of one thousand dollars (\$1,000) or more;

- (2) Transfers may be made on a daily basis;
- (3) Investment Fund transfers do not constitute a change in the Participant's current investment election; and

(4) Transfer provisions may be subject to restrictions imposed by mutual fund companies underlying the Core Funds.

(b) <u>Effective Date of Transfer</u>. The effective date of any transfer will be the date for which the appropriate direction to the Plan Administrator or its Designee has been Properly Received.

(c) <u>Value of Transfer</u>. The Current Market Value of Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions to be transferred into or out of an Investment Fund are determined in accordance with the value of the Investment Fund at the close of business of the Business Day on the Effective Date.

SECTION 10. WITHDRAWALS DURING EMPLOYMENT

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Notwithstanding anything to the contrary herein, any and all withdrawals during employment are subject to a \$250.00 minimum. Withdrawals are not permitted prior to the termination of the Participant's Continuous Service, except for the following:

- (1) Upon attainment by the Participant of age $59 \frac{1}{2}$;
 - (2) Upon a determination by the Plan Administrator or Designee that the Participant has suffered a Financial Hardship with respect to Pre-Tax Savings (and effective January 1, 2019, investment earnings attributable thereto), and Employer Contributions contributed to the Plan prior to January 1, 2011, or
 - Upon a determination by the Plan Administrator or Designee that the individual qualifies as a Qualified Individual, (3)the Qualified Individual may take one or more Coronavirus-Related Distributions. For this purpose, a Coronavirus-Related Distribution means a distribution to a Qualified Individual during the period beginning May 8, 2020 and ending December 30, 2020. The total amount of Coronavirus-Related Distributions to a Qualified Individual pursuant to this subsection (3) from all plans maintained by the Employer, or any related employer described in Code §414(b), (c), (m), or (o), shall not exceed \$100,000. Only one Coronavirus-Related Distribution can be requested per month and must be at least \$250. For Qualified Individuals who are at least age 59¹/₂, Coronavirus-Related Distributions can be taken with respect to all Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, Employer Retirement Income Contribution, Legacy RTI Plan Balances, Rollover Contributions and any investment earnings attributable thereto held in a Participant's account. For Qualified Individuals under age 59¹/₂, Coronavirus-Related Distributions can be taken only with respect to Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contributions made prior to January 1, 2011 (unless Participating Employer Contributions are made on or after January 1, 2011 pursuant to the terms of the collective bargaining agreement), Discretionary Contributions, Restricted Discretionary Contributions, Rollover Contributions and any investment earnings attributable thereto held in a Participant's account.

A Participant may withdraw the Current Market Value of After-Tax Savings at any time (subject to a \$250.00 minimum). A Participant may voluntarily withdraw all or a portion (subject to a \$250.00 minimum) of the Current Market Value of Participating Employer Contributions made to the Plan prior to January 1, 2011.

Subject to the provisions above, a Legacy RTI Participant (as defined in <u>Schedule D</u>) may voluntarily withdraw all or a portion (subject to a \$250.00 minimum) of the Current Market Value of his or her Legacy RTI Plan Balance (including his or her Legacy RTI Roth Balance), except that no portion of a Legacy RTI Money Purchase Plan Balance shall be available for withdrawals during employment under any circumstances.

SECTION 11. DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

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(a) A Participant whose Continuous Service terminates is eligible to receive as a distribution the Current Market Value of all Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions made to the Participant's accounts. In the event a Participant who has terminated employment received a total distribution of the Current Market Value of his or her account under the Plan has a Reemployment Commencement Date, he or she will not be permitted to repay the distributed amount other than as a Rollover Contribution from an eligible retirement plan described in Sections 402(c) (4) and 401(a) (31) of the Code, as provided in Section 7.

(b) Direct Rollovers.

(i) Notwithstanding any provision of the Plan to the contrary that would otherwise limit a distributee's election under this subsection, a distributee may elect, at the time and in the manner prescribed by the Plan Administrator, and to have any portion of an eligible rollover distribution paid directly to an eligible retirement plan specified by the distributee in a direct rollover.

(ii) Definitions:

(1) Eligible rollover distribution: An eligible rollover distribution means any distribution to an employee of all or any portion of the balance to the credit of the employee in the Plan, and as otherwise described in this subsection (1). An eligible rollover distribution does not include any distribution that is one of a series of substantially equal periodic payments (not less frequently than annually) made for the life (or life expectancy) of the distributee or the joint lives (or joint life expectancies) of the distributee's designated beneficiary, or for a specified period of ten years or more; any distribution to the extent such distribution is required under Section 401(a)(9) of the Code; and any amount distributed on account of hardship.

(2) Eligible retirement plan: An eligible retirement plan is an individual retirement account or individual retirement annuity described in Sections 408(a) and 408(b) of the Code, a qualified trust described in Section 401(a) of the Code that accepts the distributee's eligible rollover distribution, an annuity plan or contract described in Sections 403(a) and 403(b) of the Code, or an eligible plan under Section 457(b) of the Code that is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state that agrees to separately account for amounts transferred into such plan from this Plan. The definition of eligible retirement plan will also apply in the case of a distribution to a surviving spouse of a Participant, or spouse or former spouse who is the alternate payee under a qualified domestic relations order as defined in Section 414(p) of the Code. With respect to an eligible rollover distribution to a Participant's nonspouse Beneficiary, an eligible retirement plan is an individual retirement account or annuity described in Sections 408(a) and 408(b) of the Code established for the purpose of receiving such distribution, and identifying the deceased Participant and Beneficiary.

(3) Distributee: A distributee includes an employee or former employee. In addition, the employee's or former employee's surviving spouse and the employee's or former employee's spouse or former spouse who is an alternate payee under a qualified domestic relations order, as defined in Section 414(p) of the Code, are distributees with regard to the interest of the spouse or former spouse. A distributee

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includes the employee's or former employee's nonspouse Beneficiary provided the transfer of the eligible rollover distribution is made as described in paragraph (4) below.

(4) Direct Rollover: A direct rollover is a payment by the Plan to the eligible retirement plan specified by the distributee.

SECTION 12. PAYMENT OF DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

(a) Subject to the following provisions of this Section, payment to a Participant or Beneficiary of the Current Market Value of all Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions and Employer Retirement Income Contributions in the Participant's account from any Investment Fund, other than the Howmet Aerospace Stock Fund, upon the Participant's termination of Continuous Service is made in cash. All amounts held in the Howmet Aerospace Stock Fund at the time of the Participant's termination of Continuous Service are paid in cash or Company Stock. Such payment will be made in accordance with the following rules:

(i) If the Current Market Value of all of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than one thousand dollars (\$1,000), then a total distribution of all of the Participant's vested account balances will be made to the Participant at a time determined by the Plan. If the Current Market Value of all of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is greater than one thousand dollars (\$1,000) but less than five thousand dollars (\$5,000), and the Participant does not elect to have such distribution paid directly to an eligible retirement plan specified by the Participant in a direct rollover or to receive the distribution directly in cash, then the distribution will be paid in a direct rollover to an individual retirement account designated by the Benefits Management Committee. The value of any delisted stock that is no longer publicly traded but that is held in the Participant's Participant's Brokerage Account shall not be considered for purposes of the preceding valuation. Any such delisted stock shall be distributed in-kind where the value of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than five thousand dollars (\$5,000), in a direct rollover to an individual retirement account designated by the Benefits Management Committee. Upon such distribution of de-listed stock, the amounts distributed will be reported for income tax purposes using reasonable methods available at such time and determined by the Plan.

(ii) If the Current Market Value of all of the Participant's vested account balances in all defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates exceeds five thousand dollars (\$5,000), the distribution is made upon the consent of the Participant, or surviving spouse if applicable, and if no consent is given and no claim for benefits has been made, such distribution is made in total upon the later of December 31, 2015, or his or her attainment of age 69. Notwithstanding the foregoing, if a Participant attains age 70 prior to December 31, 2015, such distribution shall be made in total upon such Participant's attainment of age 70. Prior to the distribution of the total Current Market Value of the Participant's total account balance, the Participant, or the

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Beneficiary in the case of a Participant who dies with an account balance in the Plan, may request four partial distributions (subject to a \$250.00 minimum) during each Plan Year in which the account balance is maintained in the Plan. Notwithstanding the foregoing, in the event that a claim for benefits is made, a distribution is made no later than the 60th day after the latest of the last day of the Plan Year in which occurs: (1) the date on which the Participant attains age 65, (2) occurs the tenth anniversary of the year in which the Participant commenced participation in the Plan, or (3) the Participant terminates his or her service with the Participating Employer.

(iii) If a distribution is one to which Sections 401(a)(11) and 417 of the Code do not apply, such distribution may commence less than 30 days after the notice required under Section 1.411(a)-11(c) of the Income Tax Regulations is given, provided that:

- a. the Plan Administrator clearly informs the Participant that the Participant has a right to a period of at least 30 days after receiving the notice to consider the decision of whether or not to elect a distribution (and, if applicable a particular distribution option), and
- b. the Participant, after receiving the notice, affirmatively elects a distribution.

(iv) If the Participant dies with an account balance in the Plan, the entire interest of the Participant will be distributed not later than 5 years after the death of the Participant.

(b) Upon any distribution of Company Stock from the Howmet Aerospace Stock Fund, the Trustee delivers to the recipient a certificate representing the number of whole shares of Company Stock being distributed and cash equal to the Current Market Value on the Effective Date of distribution of any fractional interest in a share being distributed. With respect to any shares of Company Stock which are to be sold for the account of the recipient, the Trustee may, at its option (1) purchase such shares for Plan purposes at the Current Market Value on the Effective Date of distribution, or (2) sell such shares on the open market for the account of the recipient.

(c) Notwithstanding the foregoing provisions of this Section, distribution of a Participant's account balances commences the April 1 the calendar year in which the Participant attains age 72 years in accordance with Section 13(b). Notwithstanding the foregoing, for periods before January 1, 2020, distribution of a Participant's account balanced commenced the April 1 next following the calendar year in which the Participant attained age 70½.

(d) Notwithstanding the foregoing, if a Participant is reemployed by a Participating Employer, then distribution of his or her account balances other than minimum required distributions under Section 401(a)(9) of the Code, if any, payable to him or her during the period of his or her reemployment is suspended until his or her subsequent termination from employment. Upon his or her subsequent termination from employment, the Participant's account balances are paid in accordance with the foregoing provisions of this Section 12.

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(e) Notwithstanding paragraphs (a) and (b) above, in the event that any qualified defined contribution plan is merged with this Plan or this Plan is the surviving plan with respect to any assets of Participants of a merging plan which are transferred to this Plan, any distribution options contained in the merging plan which are not contained in this Plan may be continued to be distribution options available to the said Participant of the merging plan for distribution of his or her account, in accordance with Section 411(d)(6) of the Code.

SECTION 13. GENERAL PROVISIONS WITH RESPECT TO WITHDRAWALS

(a) <u>Effective Date of Withdrawal</u>. The Effective Date of any withdrawal from the Plan is the Business Day such request for withdrawal is Properly Received by the Plan Administrator or its Designee.

(b) <u>Distribution Limitations</u>. Distribution of all amounts payable under the Plan to a Participant commences:

(i) Not later than the required distribution date, without violating Treasury regulations, if any, over the life of the Participant or over the lives of the Participant and a Beneficiary, or over a period not extending beyond the life expectancy of the Participant and a Beneficiary.

(ii) Subject to <u>Schedule D</u> for Legacy RTI Plan Balances only, if distribution of the Participant's interest in the Plan has begun in accordance with paragraph (i) (2) and the Participant dies before his or her entire interest is distributed, the Participant's remaining interest in the Plan will be distributed at least as rapidly as under the method of distribution stated under paragraph (i) (2) above being used on the date of the Participant's death. If the Participant dies before the distribution of his or her interest in the Plan has begun in accordance with paragraph (i) (2), the entire interest of the Participant will be distributed not later than five years after the death of the Participant.

For purposes of this paragraph (b), the "required distribution date" means the date prescribed by Treasury Regulations, as amended from time to time, which effective January 1, 1988, is April 1 of the calendar year following the calendar year in which the Participant attains age 70-1/2. Effective January 1, 2020 the "required distribution date" is April 1 of the calendar year following the calendar year in which the participant attains age 72.

For the purposes of this paragraph (b), any amount paid to a minor child is treated as if it had been paid to the surviving spouse if such amount will become payable to the surviving spouse upon such child reaching majority or any other designated event as may be permitted by Treasury Regulations, if any.

(c) Appendix D, Minimum Distribution Requirements, provides Plan provisions to comply with Section 401(a)(9) of the Code and Treasury Regulations §1.401(a)(9)-2 through -9, as applicable, relating to required minimum distributions.

This Section 13 shall be interpreted in a manner consistent with Code § 401(a)(9) and the final Treasury Regulations issued thereunder, including the incidental death benefit requirement in Code § 401(a)(9)(G). All distributions shall be made in accordance with Code § 409(a)(9) and Treasury Regulations §§ 401(a)(9)-2 through 1.401(a)(9)-9, which

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shall supersede all inconsistent provisions of the Plan. All distributions made to comply with Code § 409(a)(9) will be in the form of a distribution of a Participant's entire vested account balance. For purposes of Section 401(a)(9), Required Beginning Date shall mean April 1 of the Calendar Year following the calendar year in which the Participant attains age 701/2 for five (5%) owners, within the meaning of Code §416(i), and for all other Participants, April 1 of the calendar year following the calendar year in which such Participant terminates employment with the Employer.

SECTION 14. NONASSIGNABILITY

Except as required under ERISA, no right or interest of any Participant or Beneficiary in the Plan or in such Participant's accounts is (a) assignable or transferable or subject to any lien in whole or in part, either directly or by operation of law or otherwise, including, but not by way of limitation, alienation, execution, levy, garnishment, attachment, pledge, bankruptcy or in any other manner other than a transfer as a result of death or mental incompetence, or (b) liable for, or subject to, any obligation or liability of such Participant or Beneficiary. Such portions of the Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions in the account of a Participant as are payable to another in accordance with the provisions of a "qualified domestic relations order," as defined in Section 414(p) of the Code and any applicable regulations thereunder, are distributed to the party designated in and in accordance with said order. The Effective Date of withdrawal for any such distribution is the first Business Day following the Plan Administrator's determination that the said order is in compliance with Section 414(p) of the Code and any applicable regulations thereunder, and such distribution is made as soon as administratively practical thereafter. The Plan Administrator or Designee has promulgated procedures to determine whether a domestic relations order is a qualified domestic relations order. The procedures will be provided to a participant or alternate payee upon written request, or upon receipt of the domestic relations order. The amount of any such the fee shall be determined by the Benefits Management Committee.

SECTION 15. EXTENT OF PARTICIPANT'S RIGHTS

(a) <u>General</u>. No person has any interest in or right to any part of the assets held under the Plan or the income thereon, except as and to the extent expressly provided in the Plan.

At the time of withdrawal by a Participant or Beneficiary, he or she will receive shares or cash. There is no guarantee that the Current Market Value of any investment will be equal to or greater than the amount of the Participant's Savings therein. This Plan is designed to comply with and operate under Section 404(c) of ERISA. A Participant and his or her Beneficiaries assume all risk in connection with any decrease in the value of any investments allocated to such Participant's account. For purposes of Section 404(c)(1) of ERISA, in the absence of Participant of Beneficiary investment direction, a Participant or Beneficiary shall be treated as having exercised control over the assets invested in any investment which qualifies as a QDIA in accordance with Section 404(c)(5) of ERISA and the regulations promulgated thereunder.

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The Plan does not and should not be construed as conferring any rights upon any person for a continuation of employment, nor does it interfere with the rights of Howmet Aerospace or any Subsidiary or Affiliate to terminate the employment of any person or to take any personnel action affecting such person without regard to the effect which such action might have upon such person or his or her Beneficiaries as a prospective recipient of benefits under the Plan.

(b) <u>Military Service</u>. Notwithstanding any provision of this Plan to the contrary, contributions, benefits and service credit with respect to qualified military service will be provided in accordance with Section 414(u) of the Internal Revenue Code. The Beneficiary of any Participant who dies on or after January 1, 2007, while performing "qualified military service" (as defined in Code Section 414(u)), shall be entitled to any additional benefits (other than contributions relating to the period of qualified military service, but including any other survivor benefits) that would have been provided under the Plan had the Participant resumed active employment on the day preceding the Participant's death and then incurred a Severance from Service Date on account of death. This Section is intended to comply with, and shall be interpreted to comply with, Code Section 401(a)(37).

SECTION 16. MANAGEMENT OF FUNDS

(a) <u>General</u>. Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Restricted Discretionary Contributions, Discretionary Contributions, and Employer Retirement Income Contributions paid to the Trustee are invested as provided in the Plan.

(b) Trustees and Investment Managers. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) has the responsibility to appoint, review the performance of, and remove where deemed appropriate, one or more Trustees, and one or more investment managers, each of which is a bank, insurance company or other investment adviser qualified under Section 3(38) of ERISA. The duties of each Trustee and manager, to the extent not set forth in the Plan, are set forth in a trust agreement or other written documents approved by the Board or its designee. Except as otherwise provided in such documents or in the Plan, each such investment manager has sole investment control and management responsibility with respect to those assets of the Plan for which it is designated the investment manager. The Board may delegate its authority to appoint an investment manager, to remove an investment manager, to approve and direct the execution by the proper officer or officers of Howmet Aerospace of amendments to agreements with any investment manager, and to review the performance of any such managers. Such delegation also includes the authority to approve written documents setting forth the duties of any manager and to direct the execution of investment management agreements by the proper officer or officers of

Howmet Aerospace. No Trustee has any investment responsibility for any assets which are subject to the investment control of another investment manager, and as to such assets it only has custodial duties if it is the custodian.

(c) <u>Designation of Investment Strategy</u>. The Board may from time to time designate, as to part or all of the assets of the Plan, that a separate fund or funds be established. Except as otherwise provided in the Plan, as to each such separate fund the Board or its designee may specify the investment strategy to be employed and the

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investment manager is thereupon relieved of responsibility for assuring that the specified investment strategy creates suitable diversification of the overall assets of the Plan, provided that such investment manager has followed such specifications.

(d) (1) <u>Acquisition of Fixed Income Investments by the Trustee</u>. The Trustee will enter into investment arrangements with insurance companies, banks or money managers, as directed by an investment manager duly appointed by the Board or its designee for the Fixed Income Fund. The Trustee will invest all Savings and other amounts to be invested in the Fixed Income Fund in accordance with such directions.

(2) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Fixed Income Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Fixed Income Fund as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(e) (1) <u>Acquisition of Company Stock by Trustee</u>. The Savings, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions to be invested in the Howmet Aerospace Stock Fund are used by the Trustee to purchase from time to time shares of Company Stock (i) from Howmet Aerospace, at the Current Market Value thereof, or (ii) to the extent Howmet Aerospace does make shares available for purchase by the Trustee for such purpose, on the open market unless Howmet Aerospace otherwise directs, or (iii) by the exercise of warrants or rights as provided in this Section. The Trustee, to the extent reasonable, invests any cash held in the fund in cash equivalents (including commercial paper). The Trustee also holds for the purpose of allocation to the accounts of individual Participants as hereinafter provided (i) shares of such stock which the Trustee has acquired upon withdrawal by a Participant, and (ii) shares of such stock which the Trustee are carried in the accounts of the Trustee at the actual cost thereof, including any taxes, commissions, etc. which are not paid by the Participating Employer, incident to the purchase except that shares acquired upon the exercise of warrants or rights are carried at the Current Market Value of such shares on the date of such exercise.

(2) <u>Allocation of Stock to Participants' Accounts</u>. Participants' investments in the Howmet Aerospace Stock Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Howmet Aerospace Stock Fund as may be acquired with funds (if any) in such Participants' accounts to be invested therein. Such allocations are made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(3) <u>Allocation of Dividends to Participants' Accounts</u>. In valuing the units, dividends are accounted for on the date the Board declares the dividend. Once received, dividends are invested in the Howmet Aerospace Stock Fund. A Participant may elect to receive an annual distribution of the dividends posted to their account during the Plan Year. Such election must be made prior to the last dividend record date in the Plan Year, and distribution will be made as soon as administratively practical following the date

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the final dividends are posted to the Participant's account. Distribution will be paid in a lump sum from the Howmet Aerospace Stock Fund. To the extent the Participant's account balance in the Howmet Aerospace Stock Fund is insufficient to pay the dividends, the balance of the distribution will be paid pro-rata from the Participant's other Core Fund investments.

(4) Reserved.

(5) <u>Stock Splits & Dividends</u>. Shares of Company Stock received by the Trustee by reason of a stock split or stock dividend become part of the Howmet Aerospace Stock Fund.

(6) <u>Voting</u>. The Trustee exercises its voting rights in accordance with written directions of each Participant with respect to at least the number of whole shares of Company Stock held by it in the Participants' accounts on the record date for voting. With respect to all other shares of Company Stock held by the Trustee on the record date for voting (the "Other Shares"), including but not limited to, (i) fractional shares in the Participants' accounts (if they are not subject to direct voting), (ii) shares for which it has not received written directions from any Participant, and (iii) any shares which have not yet been allocated to Participants' accounts, the Trustee exercises its voting rights in the same proportion (for, against, abstain and so on) on each matter as it exercises its voting rights with respect to shares of Company Stock for which voting directions were received from all participants in all plans which participate in the Howmet Aerospace Stock Fund.

(7) <u>Separation of Alcoa Inc. and Creation of Arconic and Alcoa Corporation Stock Funds</u>. Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol AA. This corporate action resulted in two separate stock funds under the Plan: the Arconic Stock Fund (which is an ESOP invested primarily in employer securities) and the Alcoa Corporation Stock Fund (a non-employer stock fund). The Alcoa Corporation Stock Fund shall be permitted as an investment option under the Plan only for approximately one (1) year after November 1, 2016. The final liquidation date will be determined by the Committee in its sole and absolute discretion. No new investments or purchases may be made in the Alcoa Corporation Stock Fund on or after November 1, 2016. Notwithstanding the foregoing, all dividends under the Alcoa Corporation Stock Fund shall be reinvested in the Alcoa Corporation Stock Fund until its liquidation. Nothing herein shall be interpreted to prevent a Participant from acquiring Alcoa Corporation stock under the Brokerage Account.

(8) <u>Separation of Arconic Inc. and Creation of Howmet Aerospace Inc. and Arconic Corporation Stock</u> <u>Funds</u>. Effective April 1, 2020, Arconic Inc. separated into two separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HMW. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. This corporate action resulted in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock fund).

The Arconic Corporation Stock Fund shall be permitted as an investment option under the Plan only for approximately one (1) year after April 1, 2020. The final

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liquidation date will be determined by the Benefits Investments Committee in its sole and absolute discretion. Transfers from the Arconic Corporation Stock Fund can be made pursuant to Section 9. No new investments, transfers to, or purchases may be made in the Arconic Corporation Stock Fund on or after April 1, 2020. Notwithstanding the foregoing, all dividends under the Arconic Corporation Stock Fund shall be reinvested in the Arconic Corporation Stock Fund until its liquidation. Nothing herein shall be interpreted to prevent a Participant from acquiring Arconic Corporation stock under the Brokerage Account.

(f) (1) <u>Acquisition of Other Investments by Trustee</u>. Howmet Aerospace has and in the future will enter into investment arrangements with various investment managers. Any such arrangements must be approved by the Benefits Investments Committee. Expenses incurred in connection with the purchase or sale of securities by the investment manager are paid from the applicable Investment Fund.

(2) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Core Funds are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in each of the Core Funds as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(g) <u>Transition Provision</u>. Pending investment under an arrangement established pursuant to this Section, and pending distribution to Participants following withdrawal from such an arrangement, cash is invested by the Trustee in short-term fixed income securities or cash equivalents (including commercial paper) and the value of such securities or cash equivalents is allocated to the accounts of Participants in an equitable manner determined by the Benefits Investments Committee.

(h) <u>Brokerage Account</u>. Participants have the right to invest and personally manage investments outside of the Core Funds by investing through the Brokerage Account offered by a broker selected by the Plan ("Broker"). Investment options through the Brokerage Account are mutual funds (other than those already available as Core Funds), any taxable equity or fixed income security publicly traded in a U.S. security market (including American Depository Receipts), and money market funds. Pre-Tax Savings, After-Tax Savings, Rollover Contributions, Participating Employer Contributions, Negotiated Deferral Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions that are subject to transfer as provided in Section 9, may not be directly invested in the Brokerage Account, nor may withdrawals, distributions or loans be made directly from the Brokerage Account. Such transactions must be processed through the Core Funds. An administrative fee shall be charged to each Participant who maintains a balance in the Brokerage Account. The amount of any such the fee shall be determined by the Benefits Management Committee.

(1) <u>Restrictions of Trading in the Brokerage Account</u>. Certain restrictions apply to investment vehicles that may be available through the Brokerage Account: Specifically, the following investments are not available through the Brokerage Account: Howmet Aerospace company stock (common or preferred) and bonds; funds currently available in the Core Funds; tax-free funds; securities of publicly traded limited partnerships; options contracts; purchase on short sales, futures, precious metals, and

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currencies; real estate (other than funds); annuities; life insurance policies; collectibles; commodities; foreign stocks (not American Depository Receipt); and margin trading and trade-away trades that are placed by another broker and settle with the Broker.

(2) <u>Trading within the Brokerage Account</u>. Investment purchases in the Brokerage Account may be made after such amounts are transferred from the Participant's Core Fund accounts. Transfers from Core Funds may be made as provided in Section 9. Transferred funds will be held in the Broker's money market fund until the Participant's buy orders are received by the Broker. Trades may be subject to initial and subsequent investment minimums required by a mutual fund.

Transfers are made out of the Brokerage Account and into the Core Funds from the Schwab money market fund. If there are insufficient funds to make the requested transfer, the participant must submit a sell order with Schwab. The proceeds of securities sold will be invested automatically in the Broker's money market fund and will be subsequently transferred out of the Brokerage Account to the Core Funds as directed by the Participant.

(3) <u>Expenses Incurred by Trading and Voting</u>. The Broker's standard commission schedule will be deducted from the Brokerage Account of the Participant who initiates the trades, and any other fees and expenses incurred through the Brokerage Account will be paid directly by the Participant.

The Broker will execute proxies for any securities held in the Brokerage Account in accordance with written directions of any Participant.

OTHER PROVISIONS OF THE PLAN

SECTION 17. LOANS

(a) A Participant may borrow a proportion of the Current Market Value of his or her Savings, Participating Employer, fully vested Discretionary Contributions, and Negotiated Deferral Contributions which are eligible for transfer under Section 9(b) of this Plan ("Eligible Loan Account Balance").

A Participant may not borrow Restricted Discretionary Contributions or Employer Retirement Income Contributions or Retiree Medical Savings Contributions. In addition, a Participant may not borrow Participating Employer Contributions made on or after January 1, 2011 or investment gains thereon.

Aa Participant shall pay a \$100 processing fee, or such other amount as may be designated by the Plan Administrator, for each loan request. The fee will be included in the loan amount, subject to the limitations of this Section 17, and deducted prior to distribution of the loan. Legacy RTI Plan Balances (as defined in <u>Schedule D</u>) shall generally be available for Plan loans, but Legacy RTI Money Purchase Plan Balances and Legacy RTI Roth Balances shall not be available for Plan loans.

(b) A loan to a Participant, when added to the balance of any other outstanding loans the Participant has under the Plan, cannot exceed the lesser of:

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(1) \$50,000 reduced to the extent of the highest outstanding loan balance of the Participant's loans outstanding during the 365-day period immediately preceding the date on which the loan is made; or

(2) 50% of the sum of the Participant's (A) Eligible Loan Account Balance, plus (B) Restricted Discretionary Contributions and vested portion of Employer Retirement Income Contributions and Discretionary Contributions balances.

A Participant may refinance any general purpose loan for any reason at any time (but only once in a twelve-month period), as may be permitted under the Code or ERISA.

(c) Each loan to a Participant is secured by a promissory note under which the Participant pledges and grants the Trustee an interest in the Participant's Eligible Loan Account Balance to the extent of the unpaid loan.

(d) All loans to Participants are treated as investments of plan assets in their respective accounts. All principal and interest associated with a Participant's repayment of a loan are credited to his or her Plan account.

(e) The Plan Administrator has developed a procedure in accordance with the Code and ERISA under which such loans from the Plan will be made available to Participants which procedure has been approved by the Benefits Management Committee.

(f) Loan repayments will be suspended under this Plan during a period of military service as permitted under Section 414(u) (4) of the Internal Revenue Code and the regulations promulgated under Section 72(p) of the Code. Upon the Participant's return to active employment, loan repayments will resume and the period of repayment extended in direct proportion of the Participant's period of absence for military leave.

(g) If a Qualified Individual has an outstanding loan from the Plan on or after May 8, 2020, then: (1) if the date for any repayment of such loan occurs during the Suspension Period, the due date is extended for the Extension Period; (2) the due date of the loan will be extended by the Extension Period; (3) the Plan will adjust any subsequent repayments to reflect the extension of the due date and any interest accrued during the Suspension Period; and (4) the Plan will disregard the Extension Period in determining the 5-year period and the loan term under Code §72(p)(2)(B) or (C). The Suspension Period will begin May 8, 2020 and end December 31, 2020. The Extension Period, will be one year. The provisions of this Section 17(g) will be applied in accordance with Section 5.B. of Notice 2020-50, or any subsequent applicable guidance, and the adjustment described in (3) may reflect the "safe harbor" described therein.

SECTION 18. TRUST

All assets of the Plan are held in trust for the Plan, except as otherwise permitted by applicable law. Howmet Aerospace has entered into a trust agreement with a national banking association which acts as Trustee under the Plan. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) may, from time to time, amend such trust agreement (subject to its terms), remove such Trustee or any Successor Trustee and upon removal or resignation of a Trustee, appoint a Successor Trustee.

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SECTION 19. ADMINISTRATION

(a) **Duties of Plan Administrator**. The Plan Administrator or its Designee are responsible for the preparation and the filing with governmental agencies and furnishing to Participants and Beneficiaries of all summaries, descriptions, annual and other reports, notices and other documents, and information which are required to be so prepared and filed or furnished under ERISA or the Code, retain appropriate records, and also have all of the other responsibilities and duties of the administrator of the Plan as set forth in ERISA, except as otherwise provided in the Plan. Each Participating Employer by whom a Participant is employed furnishes to the Plan Administrator or its Designee any records required for the foregoing.

(b) <u>The Benefits Management Committee</u>. Except as provided in Section 16 and in paragraph (a) of this Section, or to the extent that such powers are granted to the Benefits Investments Committee in the Plan or the charter of the Benefits Investments Committee, the complete authority to control and manage the operation and administration of the Plan is placed in the Benefits Management Committee, which consists of one or more persons appointed from time to time by the Board.

(c) Duties of Benefits Management Committee. Subject to the limitations of the Plan, the Benefits Management Committee has the discretionary authority to: (1) construe and interpret the Plan, (2) interpret administrative forms and other information, (3) make credibility findings, and (4) establish supplemental regulations for the administration of the Plan and the transaction of its business. All actions, determinations and interpretations of the Benefits Management Committee will be performed in a uniform and nondiscriminatory manner to all Participants in similar circumstances. All interpretations of the Plan and binding upon the Participating Employers, Participants, Beneficiaries, other employees and any other individuals claiming rights under the Plan, subject to a claimant's request under paragraph (e) of this Section to have the Benefits Management Committee review the denial of a claim. When making an interpretation or determination, the Benefits Management Committee is entitled to rely upon information furnished by the individual, Participant, Beneficiary or Participating Employer, unless in accordance with an appeals procedure established by the Benefits Management Committee, the claimant establishes to the satisfaction of the Benefits Management Committee that Continuous Service, compensation or other records are erroneous.

(d) <u>Application for Benefits</u>. Each person applying for a benefit under the Plan must furnish all information required under procedures approved by the Benefits Management Committee.

(e) <u>Review of Denial of Benefits</u>. If any applicant's claim for benefits under the Plan is denied, the applicant will be notified in writing of such denial. Such notice will set forth the specific reasons for such denial and will be written in a manner calculated to be understood by the applicant. The applicant will be afforded a reasonable opportunity for a full and fair review by the Benefits Management Committee or its Designee of the decision denying his or her claim for benefits, in accordance with a claims procedure which the Benefits Management Committee adopts. After the final determination of an appeal by the Benefits Management Committee or its Designee, the applicant must file any

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litigation arising out of the underlying facts or circumstances giving rise to such claim and appeal, under ERISA or otherwise, within one hundred eighty (180) days following the date of the final notice provided by the Benefits Management Committee or its Designee.

(f) Extent of Benefits Management Committee's and Benefits Investment Committee's Responsibility. The members of the Benefits Management Committee and Benefits Investments Committee will act in a prudent manner in the performance of their duties. No member will be personally liable by virtue of any contract, agreement, bond or other instrument made or executed by or on behalf of such member as a member of the Benefits Management Committee or Benefits Investments Committee. To the extent permitted by ERISA, no member of the Benefits Management Committee or Benefits Investments Committee will be liable for any mistake of judgment made by himself or herself or any other member, nor for any loss, unless resulting from his or her own gross negligence or willful misconduct, and no member will be liable for the neglect, omissions or wrongdoing of any other member thereof, or of the agents or counsel of the Benefits Management Committee or Benefits Investments Committee, as the case may be. To the extent permitted by law, Howmet Aerospace will indemnify and save harmless each member of the Benefits Management Committee against all expenses and liabilities arising out of his or her services as such, except for expenses and liabilities arising from such member's own gross negligence or willful misconduct as determined by the Board.

(g) <u>Relationship to Other Fiduciaries</u>. Each fiduciary in carrying out its responsibilities under the Plan may rely upon any direction, information or action of another fiduciary as being proper under this Plan or the documents under which the assets of the Plan are managed, and is not required to inquire into the propriety of any such direction, information, or action. It is intended under this Plan and such documents that each fiduciary is responsible for the proper exercise of its own powers, duties, responsibilities and obligations under this Plan and such documents and is not responsible for any act or failure to act of another fiduciary, except as otherwise provided by ERISA.

(h) <u>Multiple Fiduciaries</u>. Any person or group of persons may serve in more than one fiduciary capacity with respect to the Plan.

(i) <u>Further Allocation of Fiduciary Duties</u>. Any two or more fiduciaries named herein or appointed by the Board as provided herein may from time to time agree in writing with respect to the allocation of duties and responsibilities under the Plan, including fiduciary responsibilities, among the fiduciaries so agreeing, provided however that any reallocation of fiduciary responsibilities clearly allocated by the Plan or by the Board requires prior approval of the Board.

(j) <u>Delegation of Fiduciary Duties</u>. Any fiduciary named herein or appointed by the Board as provided herein may designate another person or persons to carry out any or all of the duties and fiduciary responsibilities which it has under the Plan and which are specified in such designation, except that no Trustee may delegate fiduciary responsibilities with respect to investment functions without the prior approval of the Board.

(k) <u>Delegation of Ministerial Duties</u>. Any fiduciary named herein, appointed by the Board as provided herein, or designated under paragraph (j) above may delegate ministerial duties as follows: employ one or more persons to render advice, including legal

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and accounting services, with regard to any responsibility such fiduciary has under the Plan, may appoint ministerial agents (including brokers or others who may execute investment transactions) and may delegate to others its clerical and other non-fiduciary functions.

(I) <u>No Added Remuneration for Employees</u>. No member of the Benefits Management Committee or Benefits Investments Committee and no other person who renders services to or for the Plan may receive remuneration for services as such if he or she also is an employee of Howmet Aerospace, a Subsidiary or Affiliate.

(m) <u>Lifetime Income Disclosures</u>. Following the effective date specified in Section 105(a)(2)(D)(v) of ERISA, the Administrator shall provide a lifetime income disclosure to each Participant and designated Beneficiary annually. The lifetime income disclosure shall set forth the lifetime income stream equivalent of the total benefits accrued with respect to the Participant or Beneficiary under the Plan and shall comply with the requirements of Section 105(a)(2)(D) of ERISA and any regulations promulgated thereunder.

SECTION 20. AMENDMENT, MODIFICATION, SUSPENSION OR TERMINATION

(a) <u>Rights Reserved</u>. Howmet Aerospace reserves the right (subject to the terms of the applicable Bargaining Agreement), by action of the Board or the Benefits Management Committee taken in accordance with the Board's or Benefits Management Committee's operating procedures, (1) to amend, modify, suspend or terminate the Plan or to suspend or completely discontinue contributions to the Plan, and (2) to terminate the Participation in the Plan of any Participating Employer or any designated group of Eligible Employees employed either within or outside the U.S. Any Participating Employer may terminate its participation in the Plan or suspend or discontinue its contributions under the Plan at any time upon 30 days prior written notice to the Plan Administrator. Such 30 day notice requirement may be waived by the Benefits Management Committee. No such amendment or other action relating to the Plan may reduce the amounts then credited to any Participant's account, or provide or have the effect of providing that the securities and funds held in trust for the Plan or the income thereof may be used for or devoted to purposes other than the exclusive benefit of Participants and their Beneficiaries and for the payment of expenses of the Plan.

(b) <u>Sale of Assets, etc.</u> In the event any assets of any business of any Participating Employer are transferred to another entity by sale, merger, consolidation or otherwise, and the entity to which said assets are transferred has in effect, or thereupon establishes, a tax-qualified plan and related trust for the exclusive benefit of employees which qualify under the applicable provisions of the Code, all assets under the Plan, held in the accounts of Participants who continue in the employment of the transferee entity, may be transferred and paid, for their respective accounts, to the trust for the tax-qualified plan of said transferee entity, provided that any such transfer of investments will be effected in such manner as to preclude, for federal income tax purposes, a termination of the Plan or the constructive receipt of benefits thereunder with respect to said Participants.

(c) <u>Transfer of Plan Assets</u>.

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(1) Notwithstanding the foregoing, in the event of any merger or consolidation of the Plan with, or a transfer of any of the assets and liabilities of the Plan to, any other plan, each affected Participant must (as if such plan were terminated immediately after such merger, consolidation or transfer) be entitled to a benefit under such other plan which is equal to or greater than the benefit he or she would have been entitled to receive under the Plan immediately prior to such merger, consolidation or transfer (as if the Plan had then terminated). In the event that assets are transferred to this Plan from any other plan sponsored by Howmet Aerospace or any Subsidiary or Affiliate, each Participant who has assets transferred from such plan or plans will be entitled to a benefit under this Plan which is equal to or greater than the benefit he or she had under such other plan. Any protected optional form of benefits provided under said plan will be maintained under this Plan. These provisions do not constitute a guaranty against investment losses.

(2) In the event a participant in the Howmet Aerospace Salaried Retirement Savings Plan or the Howmet Aerospace Niles Bargaining Retirement Savings Plan ("Savings Plan") becomes an Eligible Employee under this Plan, all of the participant's accounts in the applicable Savings Plan will be transferred to analogous accounts in this Plan as soon as reasonably practical after the Plan Administrator or Designee receives notice.

(3) In the event a Participant ceases to be an Eligible Employee under this Plan and the Participant becomes an eligible employee under the Savings Plan (defined above), all of the Participant's accounts will be transferred to analogous accounts in the Savings Plan, as soon as reasonably practical after the Plan Administrator or Designee receives notice and the Participant ceases to be a Participant, and will be entitled to no further benefits under this Plan.

SECTION 21. ADMINISTRATIVE EXPENSES

Except as otherwise provided in the Plan, all costs and expenses incurred in administering the Plan, including the expenses of the Benefits Management Committee or Benefits Investments Committee, the fees and expenses of the Trustee, the fees and charges payable under the investment arrangements, and other legal and administrative expenses, are paid by the Plan.

Investments in the Core Funds will be subject to an administrative expense fee, which will be used to pay the expenses of the Plan. The fee will be periodically adjusted by the Plan Administrator based on the actual expenses of the Plan.

SECTION 22. SELECTION OF BENEFICIARIES

(a) <u>Designation of Beneficiary</u>. Subject to such administrative procedures as may be adopted from time to time, the Beneficiary with respect to all of the assets in the accounts of a Participant will be the Participant's spouse if then living, or if not, the Participant's estate. With the written notarized consent of a Participant's spouse, a Participant may file with the Plan Administrator or its Designee a written designation of a Beneficiary or Beneficiaries other than his or her spouse. In the event the designation of such other Beneficiary is revoked in writing by the Participant, his or her spouse will become the Beneficiary of said assets until such time as the Participant, with his or her

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spouse's written notarized consent, designates in writing another Beneficiary or Beneficiaries.

In the event a Participant certifies that he or she does not have a spouse, a Beneficiary or Beneficiaries with respect to all or part of the assets in the accounts of the Participant may be designated or revoked by the sole action of the Participant.

If there is no designated Beneficiary, or if no Beneficiary is living at the time of the Participant's death, the Beneficiary is the Participant's spouse if then living, or if not, the Participant's estate.

Written designations of a primary Beneficiary or a, contingent Beneficiary to receive the assets of a Participant in the case where the primary Beneficiary is deceased, spousal consents, and revocations are made on a form or forms approved by the Plan Administrator. Any such written designation, consent or revocation become effective on the calendar day on which such designation, consent or revocation is Properly Received. After the death of a Participant, a properly designated Beneficiary may name his or her own Beneficiary to receive a distribution of the Beneficiary's account balances when the Beneficiary is deceased ("Subsequent Beneficiary"). A Subsequent Beneficiary shall receive a total distribution of the Subsequent Beneficiary or (ii) five (5) years of the Participant's death.

(b) <u>Other Payments</u>. In case of incapacity of a Participant or Beneficiary entitled to a benefit under the Plan, benefit payment are made to such person's legal representative who makes claim therefore, or if no such claim has been received, to such other person or persons as the Benefits Management Committee, utilizing objective criteria, selects from among dependents, next of kin, or friends. Any payment of a benefit under the Plan in accordance with the provisions of this Section is a complete discharge of any liability for the payment of such benefit under the Plan.

SECTION 23. PARTICIPANT'S STATEMENT

A statement showing each Participant's interest in each of the Plan's Investment Funds will be made available at least quarterly.

SECTION 24. EFFECTIVE DATE OF PLAN

The Plan is amended and restated effective January 1, 2021.

SECTION 25. CONSTRUCTION

It is intended that the Plan conform to the applicable requirements of ERISA and the Code, and that the Plan and related trust agreement are considered one if and to the extent necessary for compliance therewith. Except to the extent otherwise provided in ERISA and the Code, the Plan is construed, regulated and administered under the laws of the Commonwealth of Pennsylvania, including its applicable statute of limitations (as such may be superseded by any limitations period provided under the terms of the Plan).

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SCHEDULE D

SPECIAL PROVISIONS RELATING TO TRANSFERRED RTI PARTICIPANTS

This Schedule D contains special provisions that supersede any contradictory terms in the Plan text.

The provisions of this <u>Schedule D</u> shall apply to Participants based on the subaccount balances that were transferred to an Arconic Retirement Savings Plan on January 1, 2017, and subsequent transfers of employment shall have no impact on the status of such subaccount balances.

1. The provisions of this <u>Schedule D</u> shall apply only to the account balances (hereinafter, "**Legacy RTI Plan Balance**") of Participants (hereinafter "Legacy RTI Participants") to either: to a) the Arconic Salaried Retirement Savings Plan (now known as the Howmet Aerospace Salaried Retirement Savings Plan, (b) the Arconic Hourly Non-Bargaining Retirement Savings Plan (now known as the Howmet Aerospace Hourly Retirement Savings Plan) or (c) the Arconic Retirement Savings Plan for ATEP Bargaining Employees (now known as the Howmet Aerospace Niles Bargaining Retirement Savings Plan) from either the: (x) the RTI Employee Savings and Investment Plan; (y) the RTI International Metals, Inc. Employee Savings and Investment Plan; or (z) the RTI Bargaining Unit Employee Savings and Investment Plan (hereinafter "Legacy RTI Plans") effective January 1, 2017 and subsequently transferred employment to a company and location covered by this Plan.

2. <u>Required Minimum Distributions</u>. Notwithstanding anything to the contrary in Section 13 of the Plan or otherwise, Legacy RTI Participants shall have the right to delay required minimum distributions on all Legacy RTI Plan Balances as of December 31, 2016 until the later of attaining age 70 ½ (age 72 on and after January 1, 2020) or the Participant's Severance from Service Date.

- 3. Legacy RTI Roth Balances.
 - (a) **"Legacy RTI Roth Balance**" means the portion of a Legacy RTI Participant's account attributable to Roth 401(k) contributions and earnings thereon under the Legacy RTI Plans prior to January 1, 2017.
 - (b) <u>Separate Roth Subaccounts; No New Contributions</u>. Separate subaccounts shall be maintained for Legacy RTI Roth Balances. The Plan will maintain a record of the amount of the Legacy RTI Roth Balances in each such subaccount. Gains, losses, and other credits or charges will be separately allocated on a reasonable and consistent basis to each Participant's Legacy RTI Roth Balances subaccount and the Participant's other subaccounts within the Participant's account. No new contributions other than properly attributable earnings will be credited to each Participant's Legacy RTI Roth subaccount. No Roth rollovers are accepted into this Plan, and no in-plan Roth conversions are permitted under this Plan.
 - (c) <u>Distributions</u>. Distributions of Legacy RTI Roth Balances shall be available to the extent that other distributions are available under the Plan.

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- (d) <u>No Plan Loans</u>. No Plan loans shall be permitted from Legacy RTI Roth Balances.
- (e) <u>Small Sum Cashouts</u>. Legacy RTI Roth Balances will be considered separately from other Plan subaccounts for purposes of rollovers of small sum cashouts under Section 12.
- (f) <u>Rollovers</u>. Any portion of an eligible rollover distribution of a Legacy RTI Roth Balance may only be rolled over to another designated Roth account established for the individual under an applicable retirement plan described in Code Section 402A(e)(1) that provides for Roth contributions or to a Roth individual retirement account described in Code Section 408A, subject to the rules of Code Section 402(c).

4. <u>Legacy RTI Money Purchase Plan Balances</u>. "**Legacy RTI Money Purchase Plan Balance**" means the portion of the Legacy RTI Plan Balance in a Legacy RTI Participant's account as of January 1, 2017 that is attributable to a money purchase plan. The following provisions shall apply to Legacy RTI Money Purchase Plan Balances:

- (a) <u>Not Available for Plan Loans</u>. Legacy RTI Money Purchase Plan Balances will not be available for Plan loans. All other Legacy RTI Plan Balances in a Legacy RTI Participant's account will be available for Plan loans.
- (b) <u>Not Available for In-Service Distribution</u>. Legacy RTI Money Purchase Plan Balances will not be available for hardship withdrawals or any other in-service distribution or withdrawal.
- (c) <u>Form of Payment</u>.
 - (i) <u>Special Definitions</u>. For purposes of this Article, the following special definitions shall apply:
 - (A) **"Annuity Starting Date**" means the first day that an amount is payable as an annuity under the Plan.
 - (B) "Qualified Joint and Survivor Annuity" means (1) if the Participant is not married on his or her Annuity Starting Date, an immediate annuity payable for the life of the Participant or (2) if the Participant is married on his Annuity Starting Date, an immediate annuity for the life of the Participant with a survivor annuity for the life of the Participant's spouse (to whom the Participant was married on the Annuity Starting Date) equal to 50 percent of the amount of the annuity which is payable during the joint lives of the Participant and such spouse, provided that the survivor annuity shall not be payable to a Participant's spouse if such spouse is not the same spouse to whom the Participant was married on his Annuity Starting Date.

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- (B) "**Qualified Optional Survivor Annuity**" means a joint and survivor annuity that the Participant, subject to the spousal consent rules described in subsection (iv) hereof, may elect and in which the survivor annuity portion of the annuity is equal to 75%.
- (C) "**Qualified Preretirement Survivor Annuity**" means an annuity purchased with at least 50% of a Participant's account balance that is payable for the life of a Participant's surviving spouse.
- The default form of payment for the entire account balance of all Legacy RTI Plan Participants with a (ii) Legacy RTI Money Purchase Plan Balance is a Qualified Joint and Survivor Annuity. Distribution shall be made to the Participant from his or her account in the form of a Qualified Joint and Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Joint and Survivor Annuity as provided in subsection (iii) hereof. The Participant may also elect a Qualified Optional Survivor Annuity. If the Participant dies prior to his Annuity Starting Date, distribution shall be made to the Participant's surviving spouse, if any, in the form of a Qualified Preretirement Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Preretirement Survivor Annuity as provided in subsection (iii) hereof, or unless the Participant's surviving spouse elects in writing to receive distribution in one of the other forms of payment provided under the Plan. A Participant's account that is subject to the requirements of this subsection shall be used to purchase the Qualified Preretirement Survivor Annuity and the balance of the Participant's account that is not used to purchase the Qualified Preretirement Survivor Annuity shall be distributed to the Participant's spouse. In the event that the Participant's benefit is payable in the form of a Qualified Joint and Survivor Annuity or Qualified Optional Survivor Annuity, the following provisions shall apply:
 - (A) The Trustee shall purchase the annuity contract on behalf of a Participant or Beneficiary from an insurance company. Such annuity contract shall be nontransferable.
 - (B) The terms of the annuity contract shall comply with the requirements of the Plan and distributions under such contract shall be made in accordance with Code Section 401(a)(9) and the Treasury Regulations issued thereunder.
 - (C) The annuity contract may provide for payment over the life of the Participant and, upon the death of the Participant, may provide a survivor annuity continuing for the life of the Participant's spouse. The types of annuity contracts available for purchase are limited to the Qualified Joint and Survivor Annuity or a Qualified Preretirement Survivor Annuity.

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- (D) The annuity contract must provide for non-increasing payments.
- (iii) Waiver of the Qualified Joint and Survivor Annuity and/or Qualified Preretirement Survivor Annuity <u>Rights</u>. A Participant may waive the Qualified Joint and Survivor Annuity and elect another form of distribution permitted under the Plan at any time during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married, his or her spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive or revoke a waiver of the Qualified Joint and Survivor Annuity and elect another form of distribution permitted under the Plan at any time and any number of times during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married and is electing a form of distribution other than the Qualified Joint and Survivor Annuity or the Qualified Optional Survivor Annuity, his spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive the Qualified Preretirement Survivor Annuity and designate a non-spouse Beneficiary at any time during the "applicable election period"; provided, however, that the Participant's spouse must consent in writing to such election as provided in subsection (iv) hereof. The "applicable election period" begins on the later of (1) the date the Participant's account becomes subject to the requirements of this section or (2) the first day of the Plan Year in which the Participant attains age 35 or, if he terminates employment prior to such date, the date he or she terminates employment with the Employer and all Related Employers. The "applicable election period" ends on the earlier of the Participant's Annuity Starting Date or the date of the Participant's death. A Participant whose employment has not terminated may elect to waive the Qualified Preretirement Survivor Annuity prior to the Plan Year in which he or she attains age 35, provided that any such waiver shall cease to be effective as of the first day of the Plan Year in which the Participant attains age 35. A Participant's waiver of the Qualified Joint and Survivor Annuity or Qualified Preretirement Survivor Annuity shall be valid only if the applicable notice described in subsection (v) or (vi) has been provided to the Participant.
- (iv) <u>Spouse's Consent to Waiver</u>. A spouse's written consent must acknowledge the effect of the Participant's election and must be witnessed by a Plan representative or a notary public. In addition, the spouse's written consent must either (a) specify any non-spouse Beneficiary designated by the Participant and that such designation may not be changed without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the designated Beneficiary without the spouse's further consent. A Participant's spouse shall be deemed to have given written consent to

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a Participant's waiver if the Participant establishes to the satisfaction of a Plan representative that spousal consent cannot be obtained because the spouse cannot be located or because of other circumstances set forth in Code Section 401(a)(11) and Treasury Regulations issued thereunder. Any written consent given or deemed to have been given by a Participant's spouse hereunder shall be irrevocable and shall be effective only with respect to such spouse and not with respect to any subsequent spouse. In addition, with regard to a Participant's waiver of the Qualified Joint and Survivor Annuity form of distribution, the spouse's written consent must either (a) specify the form of distribution elected instead of the Qualified Joint and Survivor Annuity, and that such form may not be changed (except to a Qualified Joint and Survivor Annuity) without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the form of distribution elected without the spouse's further consent. A spouse's consent to a Participant's waiver shall be valid only if the applicable notice described in section (v) or (vi) has been provided to the Participant.

- (v) <u>Notice Regarding Qualified Joint and Survivor Annuity</u>. The notice provided to a Participant under this section shall include a written explanation that satisfies the requirements of Code Section 417(a)(3) and regulations issued thereunder. The notice will include a description of the following: (i) the terms and conditions of a Qualified Joint and Survivor Annuity and the Qualified Optional Survivor Annuity; (ii) the participant's right to make and the effect of any election to waive the qualified joint and survivor annuity form of benefit; (iii) the rights of a participant's spouse; and (iv) the right to make, and the effect of, a revocation of a previous election to waive the qualified joint and survivor annuity.
- (vi) Notice Regarding Qualified Preretirement Survivor Annuity. The Participant shall be provided with a written explanation of the Qualified Preretirement Survivor Annuity comparable to the written explanation provided with respect to the Qualified Joint and Survivor Annuity, as described in subsection (v) hereof. Such explanation shall be furnished within whichever of the following periods ends last: (a) the period beginning with the first day of the Plan Year in which the Participant reaches age 32 and ending with the end of the Plan Year preceding the Plan Year in which he reaches age 35; (b) a reasonable period ending after the employee becomes a Participant; or (c) in the case of a Participant who separates from service before age 35, a reasonable period ending after such separation from service. For purposes of the preceding sentence, the two-year period beginning one year prior to the date of the event described above and ending one year after such date shall be considered reasonable; provided, however, that in the case of a Participant who separates from service and subsequently recommences employment with the Company, the applicable period

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for such Participant shall be redetermined in accordance with this subsection.

(vii) <u>Former Spouse</u>. For purposes of this Section, a former spouse of a Participant shall be treated as the spouse or surviving spouse of the Participant, and a current spouse shall not be so treated, to the extent required under a qualified domestic relations order, as defined in Code Section 414(p).

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FIRST AMENDMENT TO THE HOWMET AEROSPACE HOURLY RETIREMENT SAVINGS PLAN (as amended and restated effective January 1, 2021)

Pursuant to Section 20(a) of the Howmet Aerospace Hourly Retirement Savings Plan ("Plan"), which provides that the Plan may be amended by action of the Board or Benefits Management Committee, the Plan is amended effective January 1, 2022, to permit the merger of the Howmet Aerospace Niles Bargaining Retirement Savings Plan, with and into the Plan, effective January 1, 2022 ("Merger Date") and that the Howmet Aerospace Niles Bargaining Retirement Savings Plan ("Niles Union Plan") shall no longer exist as a separate plan after 11:59 p.m. on December 31, 2021. Notwithstanding the merger of the Niles Union Plan with and into the Plan, the terms and conditions of the Niles Union Plan, as in effect immediately prior to the Merger Date, as may be modified by any future collective bargaining agreement covering Eligible Employees working in Niles, Ohio and participating in the Plan or eligible to participate in the Plan in accordance with any collective bargaining agreement between RMI Titanium LLC and bargaining unit representatives shall apply including, without limitation, eligibility, vesting, and types of contributions. Except as otherwise defined in this Amendment, all capitalized terms and conditions shall be as defined in the Plan or Niles Union Plan, as applicable.

1. The following paragraph shall be added to the end of Schedule A, "*Mergers, Transfers, and Restatements*" to reflect the merger of the Niles Union Plan with and into the Plan, effective January 1, 2022:

Merger of the Howmet Aerospace Niles Bargaining Retirement Savings Plan

Effective on the Merger Date, the Howmet Aerospace Niles Bargaining Retirement Savings Plan ("Niles Union Plan") shall be merged with and into the Plan; and all Participant accounts, assets and liabilities held in the Niles Union Plan ("Transferred Accounts") shall be transferred to the Plan, effective as of the Merger Date or as soon as administratively feasible thereafter ("Account Transfer Date").

On and after the Merger Date, the Plan's definition of "Eligible Employee" shall also include any Eligible Employees working in Niles, Ohio and participating in the Plan or eligible to participate in the Plan in accordance with any collective bargaining agreement between RMI Titanium LLC and bargaining unit representatives ("Niles Eligible Employees"). By way of clarification:

(a) The chart in Schedule B-1 to the Plan entitled "Howmet Aerospace Hourly Retirement Savings Plan Participating Employers, Participating Employer Contributions (Match), and Employer Retirement Income Contributions (ERIC)" under the Howmet Aerospace Hourly Retirement Savings Plan, as in effect on the Merger Date, shall be amended to add the following at the end thereof:

LOC	Location Description	ЕЕ Туре	Loc	Union Code	Union Description	Match	ERIC
	RMI (or, prior to October 28, 2017, RTI) International Metals, Inc.						N/A
900	(Participation ceased October 28, 2017)	н	NIL	9WH	USW 2155 - Niles Production & Maintenance	0.5000#	
	RMI (or, prior to October 28, 2017, RTI) International Metals, Inc.						N/A
900	(Participation ceased October 28, 2017)	Н	NIL	9BH	USW 2155-7 - Niles Clerical & Technical	0.5000#	

		н	NIL			.7500# (effective January 1, 2020 for Participants hired after October 15, 2003 only)	N/A
905	RMI Titanium Company, LLC			9WH	USW 2155 - Niles Production & Maintenance	.500# (effective January 1, 2020 for Participants hired on or before October 15, 2003 only)	
		н	NIL			.7500# (effective January 1, 2020 for Participants hired after October 15, 2003 only)	N/A
905	RMI Titanium Company, LLC			9ВН	USW 2155-7 - Niles Clerical & Technical	.500# (effective January 1, 2020 for Participants hired on or before October 15, 2003 only)	

(b) The chart in Schedule B-5 of the Plan, entitled "Howmet Aerospace Hourly Retirement Savings Plan Discretionary Contributions On and After January 1, 2017" under the Howmet Aerospace Hourly Retirement Savings Plan, as in effect on the Merger Date, shall be replaced as follows:

			SCHEDU	II F B-5				
	HOWMET AEROSPACE HOURLY RETIREMENT SAVINGS PLAN							
		DISCRET	IONARY (CONTRI	BUTIONS			
		ON AND	AFTER J	ANUAR	Y 1, 2017			
Company Amount Amount								
Code		Work Location	Location Code	Union Code				
	RMI (or, prior to October 28, 2017, RTI) International Metals, Inc.				2% of Eligible Compensation for Participants hired after October 15, 2003 only			
900	(Participation ceased October 28, 2017)	NIL	Niles, Ohio	9WH				
	RMI (or, prior to October 28, 2017, RTI) International Metals, Inc.				2% of Eligible Compensation for Participants hired after October 15, 2003 only			
900	(Participation ceased October 28, 2017)	NIL	Niles, Ohio	9BH				
905	RMI Titanium Company, LLC	NIL	Niles OH	9WH	2% of Eligible Compensation for Participants hired after October 15, 2003 only			
905	RMI Titanium Company, LLC	NIL	Niles OH	9BH	2% of Eligible Compensation for Participants hired after October 15, 2003 only			

Each such Niles Eligible Employee shall participate in the Plan under the terms and conditions of the Niles Union Plan, as in effect immediately prior to the Merger Date, as may be modified by any future collective bargaining agreement covering Eligible Employees working in Niles, Ohio and participating in the Plan or eligible to participate in the Plan in accordance with any collective bargaining agreement between RMI Titanium LLC and bargaining unit representatives, including, without limitation, eligibility, vesting, and types of contributions (including Retiree Medical Savings Contributions, if any).

On the Account Transfer Date, the investment funds in which each Transferred Account is invested under the Niles Union Plan, shall be automatically invested in the identical investment funds under the Plan. Any employee's Pre-Tax or After-Tax Savings election and beneficiary designation on file with the Niles Union Plan will transfer to the Plan without further action on the part of the Participant.

- 2. Effective as of the Merger Date, the Niles Union component of the Plan shall be transferred from RMI Titanium Company, LLC into Howmet Aerospace Inc.
- 3. In all other respects, the Plan is ratified and confirmed.

Exhibit 10(g)(2)

HOWMET AEROSPACE SALARIED RETIREMENT SAVINGS PLAN

AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

HOWMET AEROSPACE SALARIED RETIREMENT SAVINGS PLAN

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HOWMET AEROSPACE SALARIED RETIREMENT SAVINGS PLAN AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

HISTORY AND PURPOSE

Alcoa Inc. (herein called "Alcoa") established the Alcoa Retirement Savings Plan for Salaried Employees (the "Salaried Plan" or "Plan") for the exclusive benefit of its eligible employees. The Plan is a defined contribution, individual account 401(k) plan intended to qualify under Section 401(a) of the Internal Revenue Code. The purpose of the Plan is to provide retirement benefits, and to enable Participants to acquire a stock interest in the Company.

The Plan was initially adopted effective May 1, 1958, and was subsequently amended and restated from time to time thereafter, as described in Schedule A. The Plan is the survivor plan as the result of its merger with several subsidiaries' plans. Schedule A attached hereto contains the details and provisions related to such mergers.

Effective January 1, 2011, the Plan was renamed the Alcoa Retirement Savings Plan for Salaried Employees and was restructured to satisfy the safe harbor discrimination requirements under Section 401(k)(12) and 401(m)(11) of the Code. Effective January 1, 2015, the Plan was amended and restated again to incorporate provisions of prior Plan amendments adopted since the January 1, 2010, restatement of the Plan as well as to reflect new laws and regulations that came into effect since the January 1, 2010, restatement of the Plan.

Effective August 1, 2016, in anticipation of the separation of Alcoa Inc., Alcoa USA Corp. established the Retirement Savings Plan for Salaried Employees of Alcoa USA Corp. ("Alcoa USA Plan"), and the accounts attributable to all Participants who were employees or former employees at the locations identified on Schedules C-1 through C-3 were spun off to the Alcoa USA Plan. Effective August 1, 2016, this Plan was renamed as Arconic Salaried Retirement Savings Plan. No person is entitled to a benefit under both plans.

In anticipation of its separation into two separate publicly-traded companies, effective as of 11:59 p.m. on December 31, 2019, Arconic Inc. transferred all assets and liabilities attributable to the salaried employees and former salaried employees held in the Arconic Fastener Systems and Rings Retirement Savings Plan to this Plan. Effective February 1, 2020, in anticipation of its separation into two separate publicly-traded companies, Arconic Rolled Products Corporation established the Arconic Corp. Salaried 401(k) Plan, and the accounts attributable to all Participants who were employees or former employees at the locations identified on Schedules C-4 and C-5 were spun off to the Arconic Corp. Salaried 401(k) Plan. No person is entitled to a benefit under both plans.

Effective February 1, 2020, this Plan was renamed the Plan as the Howmet Aerospace Salaried Retirement Savings Plan.

Effective January 1, 2021, the Plan is hereby amended and restated again to incorporate provisions of prior Plan amendments adopted since the January 1, 2015, restatement of the Plan as well as to reflect new laws and regulations that have come into effect since the January 1, 2015, restatement of the Plan. The Plan is intended to be construed in accordance with any regulatory guidance issued with respect to such new laws and regulations.

Effective January 1, 2002 the Alcoa Stock Fund was replaced with an employee stock ownership plan, within the meaning of Section 4975(e) of the Code. The assets held in the ESOP must be invested primarily in employer securities as defined in Code Section 409(l). Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation Stock Fund (which is an ESOP invested primarily in employer securities) and the Alcoa Corporation Stock Fund (a non-employer stock fund). The Alcoa Corporation Stock Fund was

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020 liquidated approximately one year after its establishment. Effective April 1, 2020, Arconic Inc. separated into two-separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HWM. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. This corporate action resulted in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock-fund). The Arconic Corporation Stock Fund will be liquidated approximately one year after its establishment.

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DEFINITIONS

For the purpose of this Plan, unless a different meaning is plainly required by the context:

AFFILIATE means any non-corporate business entity or corporate business entity without voting stock, as such, which Howmet Aerospace and/or one or more Subsidiaries control in fact.

AFTER-TAX SAVINGS means such portions of the total amounts contributed to the Plan by a Participant in accordance with Section 2 that are not accorded favorable tax treatment under Section 401(k) of the Code, but not including contributions made by a Participant in excess of the annual limit on 401(k) contributions under Code Section 402(g) or in excess of the "average deferral percentage limit" of Section 401(k)(3) of the Code.

ALCOA SEPARATION DATE shall mean the legal separation of Alcoa Inc. into two separate publicly traded companies (Alcoa Inc. and Arconic Inc.) that occurred on November 1, 2016.

ARCONIC SEPARATION DATE shall mean the legal separation of Arconic Inc. into two separate publicly traded companies (Arconic Corporation and Howmet Aerospace Inc.) that occurred on April 1, 2020.

AUTOMATIC ENROLLMENT or AUTOMATICALLY ENROLLED means the automatic default enrollment in the Plan described in Sections 1(b) and 2(c) and applicable to Eligible Employees who do not opt out of the Plan.

AUTOMATIC PRE-TAX RATE ESCALATION means the feature that is effective with Automatic Enrollment or that may be elected by a Participant, in which the rate of Payroll Deduction for Pre-Tax Savings is increased until a target Payroll Deduction rate is reached. The Automatic Pre-Tax Rate Escalation will increase effective April 1 of each year.

AUTOMATIC REBALANCING means the feature described in Section 8(d).

BENEFICIARY means the recipient or recipients designated by a Participant, in accordance with Section 22 of the Plan, to receive benefits in the event of the Participant's death as either a primary beneficiary, or a contingent beneficiary who will receive benefits in the event the primary beneficiary predeceases the Participant.

BENEFITS INVESTMENTS COMMITTEE means the Benefits Investments Committee of Howmet Aerospace, which shall have authority over the investment of Plan assets as described herein and over the selection of the Core Funds.

BENEFITS MANAGEMENT COMMITTEE means the administrative committee of one or more persons appointed by the Board that interprets and administers the Plan in accordance with Section 19.

BOARD means the Board of Directors of Howmet Aerospace.

BROKERAGE ACCOUNT means the investment option whereby a Participant may invest and personally manage investments outside the Core Funds as described in Section 16(h).

BUSINESS DAY means any day on which the Plan Administrator, Designee and New York Stock Exchange is open for business.

CODE means the Internal Revenue Code of 1986, as amended.

COMPANY STOCK means common stock of Howmet Aerospace and any substituted security under Section 16.

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CONTINUOUS SERVICE means, except as modified by the balance of this definition, the period of continuous employment with Howmet Aerospace, a Subsidiary or Affiliate, either as a salaried employee or as an hourly-rated employee, commencing with the Participant's Employment Commencement Date or Reemployment Commencement Date. Continuous Service terminates on the Participant's Severance from Service Date. Continuous Service upon reemployment does not include any Continuous Service accrued prior to a termination of Continuous Service, except as follows:

A Participant who incurs a Severance from Service Date and thereafter has a Reemployment Commencement Date, will have his or her Continuous Service on the Severance from Service Date reinstated if the period between his or her Severance from Service Date and his or her Reemployment Commencement Date is less than the greater of (a) five years or (b) the aggregate number of years of Continuous Service earned before the Severance from Service Date.

CORE FUND means any investment vehicle (including the Howmet Aerospace Stock Fund and Target Maturity Funds) for Pre-Tax Savings, After-Tax Savings, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, or Employer Retirement Income Contributions, but excluding the Brokerage Account. The Benefits Investments Committee will determine the Core Funds, and may make changes to the composition of the funds from time to time.

CURRENT MARKET VALUE means, with respect to any investment allocated to the accounts of any Participant in the Core Funds, the unitized value of the securities and cash of the investment in the applicable Fund as of a specified date, less any fees provided for in Section 21, valued in accordance with a procedure adopted by the investment manager for the fund and acceptable to the Benefits Investments Committee.

DESIGNEE means such entity as may be chosen from time to time by the Plan Administrator and approved by the Benefits Management Committee to handle certain specified administration functions of the Plan.

DISCRETIONARY CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(a).

EFFECTIVE DATE with respect to a distribution has the meaning prescribed in Section 13, with respect to a transfer has the meaning prescribed in Section 9 and with respect to a qualified domestic relations order has the meaning prescribed in Section 14.

ELIGIBLE COMPENSATION means:

- (i) the regular base salary and if applicable, the base salary adjustment. Where commission payments constitute all or part of an employee's remuneration, the commissions actually paid as remuneration during a regular pay period will be used to determine the Eligible Compensation for such employee. For the foregoing purpose, only amounts up to one hundred percent (100%) of the target sales incentive payment established by the Company shall constitute Eligible Compensation under this Plan. Any sales incentive payment exceeding one hundred percent (100%) of the target will not be Eligible Compensation.
- (ii) the regular hourly wages and if applicable: cash cola, regular vacation pay, witness pay, holiday advance pay (for a holiday not worked), bereavement pay, shift differential, jury pay, job upgrades, schedule premium, income adjustments, and wage adjustments which are payable during such periods as the employee is an Eligible Employee as determined by the Participating Employers.

In no event may the amount of Eligible Compensation for any Participant during any Plan Year, for any purposes under this Plan, exceed \$290,000, as adjusted for any Plan Year for cost-of-living increases in accordance with Section 401(a)(17)(B) of the Code applicable to that calendar year. Eligible Compensation does not include signing bonuses or other one-time special bonus payments.

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In addition to the forgoing, for purposes of allocating Employer Retirement Income Contributions as indicated in Schedule B-1, Eligible Compensation will include any Variable Compensation Awards or incentive compensation payable during such periods as the employee is an Eligible Employee as determined by the Participating Employers and shall also include the amount of any sales incentive payments exceeding one hundred percent (100%) of the target sales incentive payment.

ELIGIBLE EMPLOYEE means any person who meets all of the following conditions:

(a) (1) Is a resident or citizen of the U.S., employed by a Participating Employer at a participating Company (Company Code) and specified location (Location Code), as indicated in Schedule B-1 (including individuals temporarily assigned to non-US locations); or

(2) Is not a U.S. resident or citizen, but is employed by a Participating Employer at a participating Company (Company Code) and specified location (Location Code), as indicated in Schedule B-1 on a long term assignment and has been localized to that location's payroll and benefits; and

(b) Is a Full-time or Part-time Employee, and receives regular compensation in the form of: (1) a weekly, semimonthly or monthly salary, (2) periodic commissions, (3) an hourly wage;

(c) Is not in a unit of employees covered by a collective bargaining agreement, unless such agreement provides for the application of the Plan to the employees in such unit and does not provide for supplemental unemployment benefits or similar benefits;

(d) Is not in a group of employees excluded from coverage under the Plan by the Benefits Management Committee, or the appropriate governing body of a Participating Employer, which is uniform in application to all employees similarly situated;

(e) Is not a U.S. resident or citizen who is on the Company's U.S. expatriate payroll and benefit program;

(f) Is not an agency, leased, or contract employee (as determined by the Company, without regard to any court, or agency decision determining common-law employment status) or is an individual who is not on the payroll of the Company and receiving a W-2. A Leased Employee is excluded from participation in the Plan. (For purposes of this Plan only, any former Leased Employee, upon becoming an Eligible Employee, will receive Continuous Service credit for all prior service performed with the recipient Participating Employer as a Leased Employee prior to becoming an Eligible Employee.)

and;

(g) Is a Temporary Employee who, in addition to meeting the above described terms and conditions (other than (b)), has at least one year of Continuous Service.

Notwithstanding anything contrary in the Plan, effective for Plan years beginning after December 31, 2020, any person working at least 500 Hours of Service during each of three consecutive twelve-month periods ("LTPT Employee") becomes an Eligible Employee for purposes of making Employee Savings. No twelve-month period beginning before January 1, 2021 is taken into account.

Eligible Employee shall not include any person who is eligible to participate in the Arconic Corp. Salaried 401(k) Plan prior to the Arconic Separation Date.

Eligible Employee shall not include any person who is eligible to participate in the Alcoa USA Plan prior to the Alcoa Separation Date.

EMPLOYER RETIREMENT INCOME CONTRIBUTIONS (also "**ERIC**") means an amount equal to the percentage of Eligible Compensation specified in Section 5 that is contributed in accordance with Section 5 and as indicated in Schedule B-1, to the Eligible Employees of a specified location without regard to Employment Commencement Date or Reemployment Commencement Date.

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EMPLOYMENT COMMENCEMENT DATE means the date on which an Eligible Employee is first employed by and performs an Hour of Service for Howmet Aerospace, a Subsidiary or an Affiliate as a Full-Time or Part-Time Employee, or with respect to an individual described in subsection (g) of the definition of Eligible Employee, a Temporary Employee.

ERISA means the Employee Retirement Income Security Act of 1974 as amended.

ESOP or EMPLOYEE STOCK OWNERSHIP PLAN means the Howmet Aerospace Stock Fund as described in Section 16(e).

FINANCIAL HARDSHIP means an immediate and heavy financial need which a Participant is not able to meet from other reasonably available resources. An immediate and heavy financial need includes:

(a) Extraordinary medical expenses incurred by the Participant, the Participant's spouse, dependents of the Participant, or primary Beneficiary;

(b) Purchase, excluding mortgage payments, of a principal residence for the Participant;

(c) Payment of tuition for the next year of post-secondary education for the Participant, his or her spouse, children , dependents or primary Beneficiary;

(d) Expenses necessary to prevent eviction of the Participant from his principal residence, or foreclosure on the mortgage of the Participant's principal residence;

(e) Funeral expenses of a family member or primary Beneficiary;

(f) Expenses to repair damage to the Participant's principal residence that would qualify for a casualty loss deduction under Code Section 165, such amounts will be determined without regard to Code Section 165(h)(5); and

(g) All other expenses that the Internal Revenue Service will accept as an immediate and heavy financial need.

A withdrawal will be deemed to be necessary to satisfy an immediate and heavy financial need of a Participant if all of the following requirements are satisfied:

(i) The withdrawal is not in excess of the amount of the immediate and heavy financial need (including taxes on such withdrawal) of the Participant;

(i) The Participant has obtained all distributions, other than hardship withdrawals, and all nontaxable loans currently available under all plans maintained by the Participating Employer (unless such a loan would contribute to the hardship);

(iii) The Plan, and all other qualified and non-qualified plans of deferred compensation maintained by all Participating Employers (other than health and welfare or contributory defined benefit plans), provide that for hardship withdrawals made before January 1, 2019, the Participant's Savings will be suspended for at least 6 months after receipt of the hardship withdrawal; and

(iv) The Participant represents in writing (including by using an electronic medium as defined in Section 1.401(a)-21(e)(3)), that the Participant has insufficient cash or other liquid assets reasonably available to satisfy the financial need.

Based upon the foregoing provisions, the Designee determines whether or not a Participant has incurred a Financial Hardship.

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FIXED INCOME FUND means a stable value fund whose investments are designed to preserve principal savings while providing a steady rate of return. The Fixed Income fund is a Core Fund.

FULL-TIME EMPLOYEE means an active employee who works 100 percent of a regular work schedule for the location where he or she is employed.

HOUR OF SERVICE means:

(a) Each hour for which an employee is paid or entitled to payment for the performance of duties for Howmet Aerospace, a Subsidiary or Affiliate;

(b) Each hour for which an Employee is paid or entitled to payment by Howmet Aerospace, a Subsidiary or Affiliate on account of a period during which no duties are performed, whether or not the employment relationship has terminated, due to vacation, holiday, illness, incapacity (including disability), layoff, jury duty, military duty, or leave of absence; and

(c) Each hour for which back pay, irrespective of mitigation of damages, is either awarded or agreed to by Howmet Aerospace, a Subsidiary or Affiliate, excluding any hour credited under (a) or (b) above, which is credited to the computation period or periods to which the award, agreement or payment pertains, rather than to the computation period in which the award, agreement or payment is made.

HOWMET AEROSPACE means Howmet Aerospace Inc. (formerly known as Arconic Inc. prior to April 1, 2020 when Arconic Inc. legally separated into two publicly-traded companies -- Howmet Aerospace Inc. and Arconic Corporation) and formerly known as Alcoa Inc. prior to August 1, 2016 when Alcoa Inc. legally separated into two publicly traded companies – Alcoa Inc. and Arconic Inc.).

HOWMET AEROSPACE STOCK FUND means the ESOP as described in Section 16(e), which initially became effective January 1, 2002, and which was previously known as the Alcoa Stock Fund prior to the corporate separation of Alcoa Inc. and the renaming of Alcoa Inc. as Arconic Inc. effective November 1, 2016; and Arconic Stock Fund prior to the corporate separation of Arconic Inc. and the renaming of Arconic Inc. as Howmet Aerospace Inc., effective April 1, 2020.

INVESTMENT FUND means any Core Fund and the Brokerage Account.

KEY EMPLOYEE means any employee or former employee (including any deceased employee) who at any time during the Plan Year that includes the determination date, as defined in Section 416(g)(4)(C) of the Code, was i) an officer of a Participating Employer having annual compensation greater than \$185,000 (as adjusted under Section 416(i)(1) of the Code, ii) a five percent owner of the Participating Employer, or iii) a one percent owner of a Participating Employer having annual compensation means compensation as defined in Section 415(c)(3) of the Code, but includes amounts contributed by the Participating Employer pursuant to a salary reduction agreement which are excludable from the Participant's gross income under Section 125, 402(a), Section 401(h), Section 401(b), and Section 132(f)(4).

LAYOFF or LAID-OFF means the absence from employment due to a reduction of a Participating Employer's work force due to lack of work, where it is intended that the Participant will be subject to recall and the Participant has not been placed on a Temporary Layoff. A Layoff ends on the earlier of the effective date of a recall or the date the Participant's service terminates, and in the case where such Layoff has continued for at least twenty-four months calculated from the first day of the Lay Off.

LEASED EMPLOYEE means any person who is not an employee of, and who provides services to, Howmet Aerospace if (A) such services are provided pursuant to an agreement between Howmet Aerospace and any leasing organization, (B) such person has performed such services for Howmet Aerospace on a substantially full-time basis for a period of at least 1 year, and (C) such services are performed under the primary direction or control of Howmet Aerospace.

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NORMAL RETIREMENT AGE means the date a Participant attains age 65.

PART-TIME EMPLOYEE means an active employee who works at least 50 percent but less than 100 percent of the regular work schedule for the location where he or she is employed.

PARTICIPANT means:

(a) an Eligible Employee who has elected to participate in the Plan in accordance with the provisions of Section 1, or who receives Employer Retirement Income Contributions, Discretionary Contributions or Restricted Discretionary Contributions, or who is Automatically Enrolled in the Plan. Such a person continues as a Participant so long as he or she has an account balance in the Plan. Notwithstanding the foregoing, a contractor, agency employee, temporary employee or Leased Employee is not a Participant under the Plan, or

(b) an Eligible Employee who is employed with a Participating Employer on December 31 of any Plan Year where such Participating Employer has elected to make a Discretionary Contribution or Restricted Discretionary Contribution for that Plan Year.

(c) Effective August 1, 2016, all accounts of Participants who were employees or former employees at the locations identified on Schedules C-1, C-2 and C-3 were spun off to the newly-formed Retirement Savings Plan for Salaried Employees of Alcoa USA Corp. ("Alcoa USA Plan") and such individuals ceased to be Participants in this Plan. In the event that an employee was transferred to a company and location identified on Schedule B-2 shown in the January 1, 2015 edition of the Plan, as amended prior to the Alcoa Separation Date, the Alcoa USA Plan transferred such individual's account to this Plan as soon as administratively feasible and such individual once again became a Participant in this Plan. Effective February 1, 2020 (or as soon as practicable thereafter), all accounts of Participants who were employees or former employees at the locations identified on Schedules C-4 and C-5 were spun off to the newly-formed Arconic Corp. Salaried 401(k) Plan ("Arconic Corp. Plan") and such individuals ceased to be Participants in this Plan. In the event that an employee was transferred to a company and location identified on Schedule B-1 prior to the Arconic Separation Date, the Arconic Corp. Plan transferred such individual's account to this Plan as soon as administratively feasible and such individual's account to this Plan as soon as administratively feasible and such individual's account to the Arconic Corp. Plan as soon as administratively feasible and such individual's account to the Arconic Corp. Plan as soon as administratively feasible and such individual's account to the Arconic Corp. Plan as soon as administratively feasible and such individual ceased participant in this Plan and became a participant in the Arconic Corp. Plan as soon as administratively feasible and such individual ceased participation in this Plan and became a participant in the Arconic Corp. Plan as soon as administratively feasible and such individual ceased participation in this Plan and became a participant in the Arconic Corp. Plan.

PARTICIPATING EMPLOYER means Howmet Aerospace, except as specified hereafter, and any other entity in which Howmet Aerospace or one or more Subsidiaries or Affiliates have an ownership interest, and that is authorized by Howmet Aerospace to participate in the Plan and which adopts the Plan by proper action of its board of directors or other governing body, provided that each said entity agrees to reimburse Howmet Aerospace from time to time upon demand for its proper portion of the expenses and contributions required to carry out the provisions hereof and of the agreement under which the assets of the Plan are held or managed. Schedule B-1 lists applicable locations of Participating Employers.

PARTICIPATING EMPLOYER CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 3.

PARTICIPATION DATE means the date on which an Eligible Employee commences participation in the Plan.

PAYROLL DEDUCTIONS means the Pre-Tax Savings and After-Tax Savings based on a reduction of the Participants' Eligible Compensation for the applicable Payroll Period.

PAYROLL PERIOD means the regularly scheduled payroll cycles in which a Participant earns Eligible Compensation.

PERMANENT LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be

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subject to recall. A Participant's Continuous Service for purposes of the Plan will be terminated on the first day of Permanent Layoff.

PERMANENT SHUTDOWN means the permanent shutdown, as determined by a Participating Employer, of a plant, department or substantial portion thereof, of a Participating Employer at which a Participant who is affected thereby is employed.

PLAN means the Howmet Aerospace Salaried Retirement Savings Plan, as amended and restated, effective January 1, 2021, and as may be amended from time to time. Prior to February 1, 2020, the Plan was named the Arconic Salaried Retirement Savings Plan.

PLAN ADMINISTRATOR means the Benefits Management Committee.

PLAN YEAR means the calendar year.

PRE-TAX CATCH-UP CONTRIBUTIONS means contributions permitted under Section 414(v) of the Code, as described in Section 2(k) of the Plan.

PRE-TAX SAVINGS means the amount by which a Participant has elected to reduce his or her Eligible Compensation and defer the receipt thereof in accordance with Section 2 and the contribution of the said amount to the Plan, or an amount by which a Participant's Eligible Compensation is deferred and contributed to the Plan pursuant to Automatic Enrollment.

PROPERLY RECEIVED means any request to participate, request to change participation in the Plan, request for suspension of Payroll Deductions, a request for a transfer between investments in accordance with Sections 8 or 9, or a request for a withdrawal in accordance with either Section 10 or 11, or a Beneficiary designation, consent or revocation in accordance with Section 22, are Properly Received provided it is received by the Plan Administrator or its Designee in accordance with uniform rules established by the Plan Administrator.

QUALIFIED DEFAULT INVESTMENT ALTERNATIVE or QDIA means the Targeted Maturity Funds to which the Plan may direct the assets of a Participant's account in the absence of Participant investment direction. Each Participant's account will be invested in the appropriate Targeted Maturity Fund based on the Participant's year of birth.

QUALIFIED INDIVIDUAL means any individual (Participant, alternate payee, Beneficiary) who meets one or more of the criteria described in paragraphs (1), (2), (3), or (4). Participants, alternate payees and Beneficiaries of deceased Participants can be treated as Qualified Individuals. The Plan Administrator may rely on an individual's certification that the individual satisfies a condition to be a Qualified Individual unless the Plan Administrator has actual knowledge to the contrary. In applying the criteria, "COVID-19" means either the virus SARS–CoV–2 or coronavirus disease 2019; "an approved test" means a test approved by the Centers for Disease Control and Prevention (including a test authorized under the Federal Food, Drug, and Cosmetic Act); and a "member of the individual's household" means someone who shares the individual's principal residence. The criteria are as follows:

- (1) The individual was diagnosed with COVID-19 by an approved test;
- (2) The individual's spouse or dependent (as defined in Code §152) was diagnosed with COVID-19 by an approved test;
- (3) The individual has experienced adverse financial consequences because: (a) the individual or the individual's spouse, or a member of the individual's household was quarantined, furloughed or laid off, or had work hours reduced due to COVID-19; (b) the individual, the individual's spouse, or a member of the individual's household was unable to work due to lack of childcare due to COVID-19; (c) A business owned or operated by the individual, the individual's spouse, or a member of the individual's household closed or reduced hours due to COVID-19; or (d) the individual, the individual's household had a

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020 reduction in pay (or self-employment income) due to COVID-19 or had a job offer rescinded or start date for a job delayed due to COVID-19; or

(4) The individual satisfies any other criteria determined by the Treasury or the IRS, including circumstances provided in IRS Notice 2020-50.

REEMPLOYMENT COMMENCEMENT DATE means the date on which a Participant is first reemployed by a Participating Employer following a Severance from Service Date.

RESTRICTED DISCRETIONARY CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(b).

RETIREMENT means termination of Continuous Service with rights to a pension other than a deferred vested pension benefit under a retirement plan of Howmet Aerospace and/or a Subsidiary and/or an Affiliate, termination of Continuous Service upon or after attainment of age 55 and completion of 10 years of Continuous Service, or Normal Retirement Age.

ROLLOVER CONTRIBUTION means an eligible rollover distribution as described in Section 402(c)(4) of the Code, or a direct transfer of an eligible rollover distribution as described in Section 401(a)(31) of the Code ("Direct Rollover") which is transferred to the Plan pursuant to Section 7.

SAFE HARBOR NOTICE means the notice described in Section 3(b) required for a Plan Year in which the Plan is operated as a safe harbor plan, that informs Participants of their rights and obligations under the Plan, including, but not limited to a description of the safe harbor Participating Employer Contributions, withdrawal and vesting provisions.

SAVINGS means the total amount of Pre-Tax Savings and After-Tax Savings contributed to the Plan in accordance with Section 2.

SEVERANCE FROM SERVICE DATE means the date Continuous Service terminates and is the earliest of: (i) the first date the Eligible Employee quits, retires, is discharged (including Permanent Layoffs), or dies, (ii) the first anniversary of the first date the Eligible Employee is absent from work due to a Temporary Layoff, or (iii) the second anniversary of the first date the Eligible Employee is absent from work for any other reason (including a disability). Notwithstanding the foregoing, an employee will not be deemed to have terminated from Continuous Service until the second anniversary of the employee's absence, if the absence is due to the pregnancy of the Eligible Employee, the birth of a child of the Eligible Employee or the placement of a child with the Eligible Employee in connection with adoption proceedings, or for purposes of caring for that child for a period beginning immediately following such birth or placement. The period between the first anniversary and second anniversary of the first day of absence will not constitute Continuous Service. Severance from Service Date will also mean the date on which a participant ceases employment with Howmet Aerospace or a Subsidiary in connection with a sale of assets or interest in a Participating Employer and commences employment with the purchaser of such assets or interest, provided there is no transfer to the purchaser of Plan assets and liabilities relating to such participant.

SUBSIDIARY means a corporation a majority of whose voting stock is owned or controlled by Howmet Aerospace and/or one or more other Subsidiaries.

TARGETED MATURITY FUNDS means the investment vehicles that are pre-mixed funds consisting of varying asset allocations that follow an investment strategy based on a targeted retirement date. Targeted Maturity Funds are Core Funds.

TEMPORARY EMPLOYEE means a person who does not work on a regular schedule, or works less than fifty percent of the regular hours for the location where he or she is employed, or works fifty percent or more of the regular hours for the location but is hired for a specified period of time not to exceed twelve month.

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TEMPORARY LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be subject to recall or the Participant has been designated as a temporary recall in the Company's human capital management system (currently, the Global People System), but where there is an expectation that the Participant may return to work within the calendar year. A Participant's Continuous Service will be terminated on the first anniversary of the first day of Temporary Layoff.

TOTAL AND PERMANENT DISABILITY means disability by injury or disease which, on the basis of medical evidence satisfactory to a medical doctor chosen by the Benefits Management Committee, prevents the employee from engaging in any employment with Howmet Aerospace, a Subsidiary or Affiliate suitable to his or her training and experience and will be permanent and continuous during the remainder of the employee's life, and the employee is not otherwise employed by Howmet Aerospace, a Subsidiary or Affiliate.

TRUSTEE means the Trustee or Trustees appointed by the Board or its delegate, including but not limited to the Benefits Investments Committee in accordance with the provisions of Section 18.

U.S. means the United States of America.

VARIABLE COMPENSATION AWARDS means performance pay, profit sharing or gain sharing awards or other variable compensation awards as determined by the Participating Employer and approved by the Plan Administrator.

GENERAL PROVISIONS

SECTION 1. PARTICIPATION

An Eligible Employee participates in the Plan:

(a) by submitting an application or request for participation that is Properly Received, or by receiving Discretionary Contributions, Restricted Discretionary Contributions, Participating Employer Contributions, or Employer Retirement Income Contributions; or

(b) by being Automatically Enrolled sixty (60) days following Employment Commencement Date or Reemployment Commencement Date, or after an employee employed on a temporary basis becomes an Eligible Employee.

(c) by being Automatically Enrolled sixty (60) days following the initial participation of a new Company or Location resulting from an acquisition or restructuring of a business unit.

SECTION 2. EMPLOYEE SAVINGS

(a) An Eligible Employee may elect to pay into the Plan through Payroll Deductions properly authorized by such employee, a whole percentage of his or her Eligible Compensation in Pre-Tax Savings in an amount equal to one through twenty-five percent (25%), and After-Tax Savings equal to one through ten percent (10%), the aggregate of which cannot be greater than twenty-five percent (25%).

(b) An Eligible Employee subject to Automatic Enrollment will be subject to automatic Payroll Deductions equal to three percent of Eligible Compensation for any applicable payroll period, which will be contributed to the Plan as Pre-Tax Savings. Absent the Participant's election of investment funds, such Pre-Tax Savings will be deposited into the appropriate QDIA, as described in Section 8(a).

(c) Payroll Deductions for Pre-Tax Savings made pursuant to Automatic Enrollment are subject to Automatic Pre-Tax Rate Escalation whereby, providing the Participant has participated in the Plan at least ninety days, the Participant's Pre-Tax Savings rate will be increased by one percent on each April 1 after his or her Participation Date until the Pre-Tax Savings rate attains a target rate of six percent of Eligible Compensation. A Participant may change the percentage rate in whole percentages up to the

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maximum permitted by the Plan or opt out of Automatic Pre-Tax Rate Escalation at any time in a manner designated by the Plan Administrator that is Properly Received.

Any Participant may elect to begin or end Automatic Pre-Tax Savings Rate Escalation at any time in a manner designated by the Plan that is Properly Received. An election to begin Automatic Pre-Tax Saving Rate Escalation shall designate a beginning Pre-Tax Savings rate, a target rate up to the maximum permitted by the Plan, and an annual rate (in whole percentages) by which the Pre-Tax rate increases until the target rate is attained.

(d) Any employee contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Pre-Tax and After-Tax Savings Accounts, as applicable, as determined by the Plan Administrator, and thereafter be treated like Pre-Tax and After-Tax Savings with respect to withdrawals, loans, and investment options under the Plan. Any protected optional form of benefits provided under said qualified defined contribution plan will be maintained under the Plan.

(e) All Participating Employer Contributions and Discretionary Contributions, and Restricted Discretionary Contributions and Employer Retirement Income Contributions are irrevocable, except that any such contribution which was made by a mistake of fact or conditioned upon qualification of the Plan or any amendment thereof under Section 401 of the Code or upon the deductibility of the contribution under Section 404 of the Code, will be returned to the Participating Employer within one year after the payment of the contribution made by mistake, the denial of the qualification or the disallowance of the deduction (to the extent disallowed), whichever is applicable.

(f) A Participant may change his or her election for Payroll Deductions, effective for the first full Payroll Period following the date that such request is Properly Received.

(g) A Participant may direct that Payroll Deductions for Savings be discontinued beginning with the first full Payroll Period following the date that such direction is Properly Received. A Participant may direct that such deductions be resumed beginning with the first full Payroll Period following the date that such direction is Properly Received, except as provided in the definition of Financial Hardship.

(h) Payroll Deductions are paid to the Trustee as soon as practicable, but no later than the period prescribed by the Department of Labor for depositing contributions.

(i) Additional limitations on Savings, Participating Employer Contributions, Discretionary Contributions and Restricted Discretionary Contributions are provided in Appendices A, B and C. For Plan Years in which the Plan is operated in accordance with the safe harbor requirements of Sections 401(k)(12) and 401(m)(11) of the Code, Sections 5 and 9 of Appendix A do not apply with respect to Pre-Tax Savings and Participating Employer Contributions except as otherwise provided in Appendix A.

Notwithstanding the foregoing, in the event it is determined by the Benefits Management Committee or its Designee that for any particular month the maximum percentage of Eligible Compensation which a Participant may elect to pay into the Plan as Pre-Tax Savings must be reduced so as to prevent the actual percentage of Pre-Tax Savings for Participants who are Highly Compensated Employees from exceeding the elected percentage of Pre-Tax Savings of all other Participants, pursuant to the limitations in the Appendices, the maximum percentage of Pre-Tax Savings for said Highly Compensated Employees may be reduced, for any particular Month to the extent deemed necessary by the Benefits Management Committee or its designee. The said Participants' previously elected percentage of After-Tax Savings will not be affected in any manner by a reduction of the maximum percentage of Pre-Tax Savings in accordance with the foregoing.

(j) An Eligible Employee who meets the requirements listed below may make an election for a Plan Year to defer extra Pre-Tax Catch-Up Contributions in an amount that equals an annual maximum amount of six thousand dollars (66,500), or such other amount adjusted for cost-of-living increases as may be provided by the Secretary of the Treasury pursuant to Section 414(v)(2) (C) of the Code. Eligible Employees who meet the requirements are individuals who i) have attained 50 or will attain age 50 during the applicable taxable year; ii) are contributing no less than six percent (6%) of Eligible Compensation in

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Pre-Tax Savings; and iii) have submitted an election to make Pre-Tax Catch-Up Contributions for applicable Plan Year.

(k) A Participant who's compensation is suspended due to an absence from employment due to military leave protected by Uniformed Services Employment and Reemployment Rights Act of 1994 ("USERRA"), may upon his or her return to employment contribute "make up" Pre-Tax Contributions equal to the amount he or she would have contributed except for the absence based upon the Participant's election on file. Such make up contributions must be paid to the Plan during a period that does not exceed the lesser of three (3) times the length of time of the military leave or five (5) years, commencing from the date employment is resumed.

(l) All Employee Savings and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and not subject to divestment.

SECTION 3. PARTICIPATING EMPLOYER CONTRIBUTIONS (MATCH)

Participating Employer Contributions will be allocated under the Plan to the account of those Participants for whom Pre-Tax Savings are paid into the Plan for such Payroll Period in accordance with Section 2, where the Participating Employer with whom the Participant is actively employed has elected to make such contributions. Beginning with the first Participating Employer contribution allocated to Participants' accounts after January 1, 2014, all Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

(a) Schedule B-1 provides a list of Participating Employers and Participating Employer Contributions. The amount of all such Contributions are contributed on a Payroll Period basis by the Participating Employer out of current income or accumulated earnings.

(b) Any employer contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Participating Employer Contributions and thereafter be treated like Participating Employer Contributions with respect to withdrawals, loans, and investment options under the Plan. Any protected optional form of benefits provided under said merged qualified defined contribution plan will be maintained under the Plan.

(c) <u>Safe Harbor Participating Employer Contributions</u>. Participating Employer Contributions will satisfy the safe harbor requirements of Sections 401(k)(12) and 401(m)(11) of the Code for Plan Years in which the Plan is operated in accordance with the safe harbor requirements of Sections 401(k)(12) and 401(m)(11) of the Code. For safe harbor purposes, Participating Employer Contributions will be allocated under the Plan on a payroll basis in an amount equal to 100% of each dollar of Pre-Tax Savings and Pre-Tax Catch-Up Contributions up to six percent of the Participant's Eligible Compensation.

SECTION 4. DISCRETIONARY CONTRIBUTIONS

(a) A Participating Employer for each Plan Year may contribute under the Plan to the account of those Eligible Employees who are employed with said Participating Employer on the date established by such Participating Employer such amounts of Discretionary Contributions as its board of directors or in the case of an Affiliate, the appropriate governing entity determines, unless disapproved by the Benefits Management Committee. Schedule B-2 provides a list of Participating Employers. Discretionary Contributions are allocated to Eligible Employees based on either uniform dollar amounts or whole or partial percentages of Eligible Compensation. A Participating Employer may elect to make one Discretionary Contribution for any Plan Year on or before December 31 of said Plan Year and may direct, but is not obligated to direct, the Trustee to promptly invest such amount in the Howmet Aerospace Stock Fund.

(b) A Participating Employer for each Plan Year may contribute under the plan to the account of those Eligible Employees who are employed with said Participating Employer on the last day

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of the Plan Year, Restricted Discretionary Contributions in an amount determined by its board of directors or in the case of an Affiliate, the appropriate governing entity, unless disapproved by the Benefits Management Committee. Schedule B-1 provides a list of Participating Employers. Restricted Discretionary Contributions will be allocated to Eligible Employees based on either uniform dollar amounts or whole or partial percentages of Eligible Compensation. A Participating Employer may elect to make one Restricted Discretionary Contribution for any Plan Year on or before December 31 of the Plan Year. The Restricted Discretionary Contribution will be paid to the Trustee no later than the date fixed by law for the filing of the Participating Employer's federal income tax return for the year for which the contribution is made, including any extensions of time granted by the Internal Revenue Service for filing the return. The Participating employer may direct, but is not obligated to direct, the Trustee to promptly invest such amount in the Howmet Aerospace Stock Fund; otherwise, Restricted Discretionary Contributions will be invested in accordance with the provisions of Section 8(b).

(c) An Eligible Employee who incurs an absence due to military leave protected by USERRA and eligible to receive Discretionary or Restricted Discretionary Contributions will receive those contributions based on the Eligible Compensation that would have been received had the individual remained actively employed during the period of military leave.

(d) Discretionary Contributions and Restricted Discretionary Contributions are set forth in Schedule B-2.

SECTION 5. EMPLOYER RETIREMENT INCOME CONTRIBUTIONS

ERIC of three percent of Eligible Compensation shall be made to the accounts of Participants who are eligible under Schedule B-1, on a Payroll Period basis.

An Eligible Employee who incurs an absence due to military leave protected by USERRA and eligible to receive ERIC will receive those contributions based on the Eligible Compensation that would have been received had the individual remained actively employed during the period of military leave.

Withdrawals of ERIC are permitted by Participants who have attained age 59¹/₂.

SECTION 6. NONFORFEITURE OF PARTICIPATING EMPLOYER CONTRIBUTIONS, DISCRETIONARY CONTRIBUTIONS RESTRICTED DISCRETIONARY CONTRIBUTIONS, AND EMPLOYER RETIREMENT INCOME CONTRIBUTIONS

All Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contribution, and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and not subject to divestment. In the event that any Participant has his or her account balance transferred to this Plan from the Howmet Aerospace Niles Bargaining Retirement Savings Plan (prior to February 1, 2020, known as the Arconic Retirement Savings Plan for ATEP Bargaining Employees), the amount of such Participant's account transferred to this Plan shall become 100% vested and not subject to forfeiture.

SECTION 7. ROLLOVER CONTRIBUTIONS

An Eligible Employee of a Participating Employer who is or may become a Participant may, unless disapproved under objective procedures established by the Benefits Management Committee, make a Rollover Contribution to the Plan. An Eligible Employee's Rollover Contribution is credited to his or her account and thereafter treated like the Participant's Pre-Tax Savings with respect to withdrawals, loans and investment options under the Plan. The Plan does not accept Roth rollovers.

A Participant who received a Coronavirus-Related Distribution (from this Plan and/or another eligible retirement plan as defined in Code §402(c)(8)(B)), at any time during the 3-year period beginning on the day after receipt of the distribution, may make one or more contributions to the Plan, as rollover contributions, in an aggregate amount not to exceed the amount of such distribution.

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SECTION 8. INVESTMENTS

(a) <u>Savings and Employer Retirement Income Contributions</u>. Pre-Tax Savings (including Rollover Contributions), After-Tax Savings, and Employer Retirement Income Contributions will be invested, at the election of the Participant, in any of the Core Funds in one percent increments. Pre-Tax Savings of any Participant who is Automatically Enrolled and Employer Retirement Income Contributions made to the account of a Participant who has not made investment election will be contributed to the appropriate QDIA fund, based on the Participant's date of birth.

A Participant may change his or her current investment election or transfer assets deposited by the Plan into a QDIA fund any day of the Plan Year, to be effective for the next following Payroll Period, within the limitations otherwise provided in this Plan, by directing the Plan Administrator or its Designee to make such change which direction is Properly Received.

(b) <u>Participating Employer Contributions, Discretionary Contributions and Restricted Discretionary Contributions</u>. All Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA). Discretionary Contributions, and Restricted Discretionary Contributions may be invested in the Howmet Aerospace Stock Fund if directed by the Participating Employer, subject to Section 9, or otherwise invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

(c) **Brokerage Account**. A portion of Pre-Tax or After Tax Savings, and Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, or Employer Retirement Income Contributions subject to transfer as provided in Section 9, or any other amounts invested in the Core Funds may be transferred in amounts of one thousand dollars (\$1,000) or more and reallocated to a Brokerage Account, a self-directed brokerage account that allows a Participant to select and personally manage investment options not otherwise available under the Plan, in accordance with the provisions of Section 16. Any amounts to be withdrawn, loaned or distributed from a Brokerage Account must be first transferred back to the Core Funds, as described in Section 16(h).

(d) <u>Automatic Rebalancing of Investments</u>. A Participant may elect to have his or her account balance automatically rebalanced, or readjusted, at ninety-day intervals, to equal the percentage(s) directed by the Participant for investing such account balance in any Core Fund(s). The Participant may cancel Automatic Rebalancing at any time in a manner designated by the Plan Administrator that is Properly Received.

SECTION 9. TRANSFERS BETWEEN INVESTMENTS

(a) <u>Transfers of Savings, Participating Employer, Discretionary, Restricted Discretionary and Employer Retirement</u> <u>Income Contributions</u>. A Participant may elect to transfer in whole percentage increments or specified dollar amounts all or part of the Current Market Value of the Participants' Pre-Tax Savings, After Tax Savings, Participating Employer, Discretionary, Restricted Discretionary and Employer Retirement Income Contributions subject to the following:

(1) transfers from any one or more Core Funds to the Brokerage Account must be made in amounts of one thousand dollars (\$1,000) or more;

- (2) transfers may be made on a daily basis;
- (3) investment Fund transfers do not constitute a change in the Participant's current investment election; and
- (4) transfer provisions may be subject to restrictions imposed by mutual fund companies underlying the Core Funds.

(b) **Effective Date of Transfer**. The effective date of any transfer will be the date for which the appropriate direction to the Plan Administrator or its Designee has been Properly Received.

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(c) <u>Value of Transfer</u>. The Current Market Value of Savings, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions to be transferred into or out of an Investment Fund are determined in accordance with the value of the Investment Fund at the close of business of the Business Day on the Effective Date.

SECTION 10. WITHDRAWALS DURING EMPLOYMENT

Effective with respect to Current Market Value of Pre-Tax Savings, Discretionary Contributions, Restricted Discretionary Contributions, and Participating Employer Contributions, withdrawals are not permitted prior to the termination of the Participant's Continuous Service, except for the following:

(1) Upon attainment by the Participant of age 59¹/₂;

(2) Upon a determination by the Plan Administrator or Designee that the Participant has suffered a Financial Hardship with respect to Pre-Tax Savings (and, investment earnings attributable thereto), and Employer Contributions contributed to the Plan prior to January 1, 2011; or

(3) Upon a determination by the Plan Administrator or Designee that the individual qualifies as a Qualified Individual, the Qualified Individual may take one or more Coronavirus-Related Distributions. For this purpose, a Coronavirus-Related Distribution means a distribution to a Qualified Individual during the period beginning May 8, 2020 and ending December 30, 2020. The total amount of Coronavirus-Related Distributions to a Qualified Individual pursuant to this subsection (3) from all plans maintained by the Employer, or any related employer described in Code §414(b), (c), (m), or (o), shall not exceed \$100,000. Only one Coronavirus-Related Distributions can be requested per month and must be at least \$250. For Qualified Individuals who are at least age 59½, Coronavirus-Related Distributions, Contributions, Restricted Discretionary Contributions, Participating Employer Contributions, Restricted Discretionary Contributions, Employer Retirement Income Contribution, Legacy RTI Plan Balances, Rollover Contributions and any investment earnings attributable thereto held in a Participant's account. For Qualified Individuals under age 59½, Coronavirus-Related Distributions can be taken only with respect to Pre-Tax and After-Tax Savings, Pre-Tax and After-Tax Savings, Pre-Tax and After-Tax Savings, Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Restricted Discretionary Contributions, Employer Contributions, Restricted Discretionary Contributions, Employer Related Distributions can be taken only with respect to Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contributions and any investment earnings attributable thereto held in a Participations, Rollover Contributions and any investment earnings attributable thereto held in a Participating temployer Contributions and any investment earnings attributable thereto held in a Participating temployer Contributions and any investment earnings attributable thereto held in a Participating temployer Contributions and any inve

A Participant may withdraw the Current Market Value of After-Tax Savings at any time A Participant may voluntarily withdraw all or a portion of the Current Market Value of Participating Employer Contributions and Discretionary Contributions made to the Plan prior to January 1, 2011. Notwithstanding anything to the contrary herein, any and all withdrawals during employment are subject to a \$250.00 minimum.

Subject to the provisions above, a Legacy RTI Participant (as defined in Schedule D) may voluntarily withdraw all or a portion (subject to a \$250.00 minimum) of the Current Market Value of his or her Legacy RTI Plan Balance (including his or her Legacy RTI Roth Balance), except that no portion of a Legacy RTI Money Purchase Plan Balance shall be available for withdrawals during employment under any circumstances.

SECTION 11. DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

(a) A Participant whose Continuous Service terminates is eligible to receive as a distribution the Current Market Value of all Savings, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions made to the Participant's accounts. In the event a Participant who has terminated employment received a total distribution of the Current Market Value of his or her account under the Plan has a Reemployment Commencement Date, he or she will not be permitted to repay the distributed amount other than as a Rollover Contribution from an eligible retirement plan described in Sections 402(c)(4) and 401(a)(31) of the Code, as provided in Section 7.

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(b) Direct Rollovers.

(i) Notwithstanding any provision of the Plan to the contrary that would otherwise limit a distributee's election under this subsection, a distributee may elect, at the time and in the manner prescribed by the Plan Administrator, to have any portion of an eligible rollover distribution paid directly to an eligible retirement plan specified by the distributee in a direct rollover.

(ii) Definitions:

(1) Eligible rollover distribution: An eligible rollover distribution means any distribution to an employee of all or any portion of the balance to the credit of the employee in the Plan, and as otherwise described in this subsection (1). An eligible rollover distribution does not include any distribution that is one of a series of substantially equal periodic payments (not less frequently than annually) made for the life (or life expectancy) of the distributee or the joint lives (or joint life expectancies) of the distributee's designated Beneficiary; or for a specified period of ten years or more; any distribution to the extent such distribution is required under Section 401(a)(9) of the Code; and any amount distributed on account of hardship.

(2) Eligible Retirement Plan: An eligible retirement plan is an individual retirement account or individual retirement annuity described in Sections 408(a) and 408(b) of the Code; a qualified trust described in Section 401(a) of the Code that accepts the distribute's eligible rollover distribution; an annuity plan or contract described in Sections 403(a) and 403(b) of the Code; or an eligible plan under Section 457(b) of the Code which is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state that agrees to separately account for amounts transferred into such plan from this plan. The definition of eligible retirement plan will also apply in the case of a distribution to a surviving spouse of a Participant or the spouse or former spouse who is the alternate payee under a qualified domestic relations order as defined in Section 414(p) of the Code. With respect to an eligible rollover distribution to a Participant's nonspouse Beneficiary, an eligible retirement plan is an individual retirement account or annuity described in Sections 408(a) and 408(b) of the Code established for the purpose of receiving such distribution, and identifying the deceased Participant and Beneficiary.

(3) Distributee: A distributee includes an employee or former employee. In addition, the employee's or former employee's surviving spouse and the employee's or former employee's spouse or former spouse who is an alternate payee under a qualified domestic relations order, as defined in Section 414(p) of the Code, are distributees with regard to the interest of the spouse or former spouse. A distributee includes the employee's or former employee's nonspouse Beneficiary, provided the transfer of the eligible rollover distribution is made as described in paragraph (4) below.

by the distributee.

(4) Direct Rollover: A direct rollover is a payment by the Plan to the eligible retirement plan specified

SECTION 12. PAYMENT OF DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

(a) Subject to the following provisions of this Section, payment to a Participant or Beneficiary of the Current Market Value of all Savings, Participating Employer Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions in the Participant's account from any Investment Fund, other than the Howmet Aerospace Stock Fund, upon the Participant's termination of Continuous Service is made in cash. All amounts held in the Howmet Aerospace Stock Fund at the time of the Participant's termination of Continuous Service are paid in cash or Company Stock. Such payment will be made in accordance with the following rules:

(i) If the Current Market Value of all of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than one thousand dollars (\$1,000), then a total distribution of all of the Participant's vested account balances will be made to the Participant at a time determined by the Plan. If the Current Market Value of all of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace,

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020 the Subsidiaries and Affiliates (i) is greater than one thousand dollars (\$1,000) but less than five thousand dollars (\$5,000), the distribution will be paid in a direct rollover to an individual retirement account designated by the Benefits Management Committee unless the Participant, or Beneficiary if applicable, elects to have such distribution paid directly to an eligible retirement plan specified by the Participant or Beneficiary in a direct rollover or to receive the distribution directly in cash. The value of any delisted stock that is no longer publicly traded but that is held in the Participant's Brokerage Account shall not be considered for purposes of the preceding valuation. Any such delisted stock shall be distributed in-kind where the value of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than five thousand dollars (\$5,000), in a direct rollover to an individual retirement account designated by the Benefits Management Committee. Upon such distribution of de-listed stock, the amounts distributed will be reported for income tax purposes using reasonable methods available at such time and determined by the Plan.

(ii) If the Current Market Value of all of the Participant's vested account balances in all defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates exceeds five thousand dollars (\$5,000), the distribution is made upon the consent of the Participant, or surviving spouse if applicable, and if no consent is given and no claim for benefits has been made, such distribution is made in total upon his or her attainment of age 69. Prior to the distribution of the total Current Market Value of the Participant's total account balance, the Participant, or the Beneficiary in the case of a Participant who dies with an account balance in the Plan, may request four partial distributions (subject to a \$250.00 minimum) during each Plan Year in which the account balance is maintained in the Plan. Notwithstanding the foregoing, in the event that a claim for benefits is made, a distribution is made no later than the 60th day after the latest of the last day of the Plan Year in which occurs: (1) the date on which the Participant attains the earlier of age 65, (2) occurs the tenth anniversary of the year in which the Participant commenced participation in the Plan, or (3) the Participant terminates his or her service with the Participating Employer.

(iii) If a distribution is one to which Sections 401(a)(11) and 417 of the Code do not apply, such distribution may commence less than 30 days after the notice required under Section 1.411(a)-11(c) of the Income Tax Regulations is given, provided that:

(a) the Plan Administrator clearly informs the Participant that the Participant has a right to a period of at least 30 days after receiving the notice to consider the decision of whether or not to elect a distribution (and, if applicable a particular distribution option), and

(b) the Participant, after receiving the notice, affirmatively elects a distribution.

(iv) If the Participant dies with an account balance in the Plan, the entire interest of the Participant will be distributed not later than 5 years after the death of the Participant.

(b) Upon any distribution of Company Stock from the Howmet Aerospace Stock Fund, the Trustee delivers to the recipient a certificate representing the number of whole shares of Company Stock being distributed and cash equal to the Current Market Value on the Effective Date of distribution of any fractional interest in a share being distributed. With respect to any shares of Company Stock which are to be sold for the account of the recipient, the Trustee may, at its option (1) purchase such shares for Plan purposes at the Current Market Value on the Effective Date of distribution, or (2) sell such shares on the open market for the account of the recipient.

(c) Notwithstanding the foregoing provisions of this Section, distribution of a Participant's account balances commences the April 1 next following the calendar year in which the Participant attains age 72 years in accordance with Section 13(b). Notwithstanding the foregoing, for periods before January 1, 2020, distribution of a Participant's account balanced commenced the April 1 next following the calendar year in which the Participant attained age $70\frac{1}{2}$.

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(d) Notwithstanding the foregoing, if a Participant is reemployed by a Participating Employer, then distribution of his or her account balances other than minimum required distributions under Section 401(a)(9) of the Code, if any, payable to him or her during the period of his or her reemployment is suspended until his or her subsequent termination from employment. Upon his or her subsequent termination from employment, the Participant's account balances are paid in accordance with the foregoing provisions of this Section 12.

(e) Notwithstanding paragraphs (a) and (b) above, in the event that any qualified defined contribution plan is merged with this Plan or this Plan is the surviving plan with respect to any assets of Participants of a merging plan which are transferred to this Plan, any distribution options contained in the merging plan which are not contained in this Plan may be continued to be distribution options available to the said Participant of the merging plan for distribution of his or her account, in accordance with Section 411(d)(6) of the Code.

SECTION 13. GENERAL PROVISIONS WITH RESPECT TO WITHDRAWALS

(a) <u>Effective Date of Withdrawal</u>. The Effective Date of any withdrawal from the Plan is the Business Day such request for withdrawal is Properly Received by the Plan Administrator or its Designee.

(b) **Distribution Limitations**. Distribution of all amounts payable under the Plan to a Participant commences:

(i) Not later than the required distribution date, without violating Treasury regulations, if any, over the life of the Participant or over the lives of the Participant and a Beneficiary, or over a period not extending beyond the life expectancy of the Participant and a Beneficiary.

(i) If distribution of the Participant's interest in the Plan has begun in accordance with paragraph (i)(2) and the Participant dies before his or her entire interest is distributed, the Participant's remaining interest in the Plan will be distributed at least as rapidly as under the method of distribution stated under paragraph (i)(2) above being used on the date of the Participant's death. If the Participant dies before the distribution of his or her interest in the Plan has begun in accordance with paragraph (i)(2), the entire interest of the Participant will be distributed not later than five years after the death of the Participant.

Subject to Schedule D for Legacy RTI Plan Balances on December 31, 2016 only, for purposes of this paragraph (b), the "required distribution date" means the date prescribed by Treasury Regulations, as amended from time to time, which for periods before January 1, 2020 is April 1 of the calendar year following the calendar year in which the Participant attains age 70½ and for periods on or after January 1, 2020 is April 1 of the calendar year following the calendar year in which the Participant attains age 72.

For the purposes of this paragraph (b), any amount paid to a minor child is treated as if it had been paid to the surviving spouse if such amount will become payable to the surviving spouse upon such child reaching majority or any other designated event as may be permitted by Treasury Regulations, if any.

(c) Appendix D, Minimum Distribution Requirements, provides the Plan provisions to comply with Section 401(a)(9) of the Code and Treasury Regulations §1.401(a)(9)-2 through -9, as applicable, relating to required minimum distributions.

SECTION 14. NONASSIGNABILITY

Except as required under ERISA, no right or interest, of any Participant or Beneficiary in the Plan or in such Participant's accounts is (a) assignable or transferable or subject to any lien in whole or in part, either directly or by operation of law or otherwise, including, but not by way of limitation, alienation, execution, levy, garnishment, attachment, pledge, bankruptcy or in any other manner, other than a transfer as a result of death or mental incompetence, or (b) liable for, or subject to, any obligation or liability of such Participant or Beneficiary. Such portions of the Savings, Participating Employer Contributions,

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Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions in the account of a Participant as are payable to another in accordance with the provisions of a "qualified domestic relations order," as defined in Section 414(p) of the Code and any applicable regulations thereunder, are distributed to the party designated in and in accordance with said order. The Effective Date of withdrawal for any such distribution is the first Business Day following the Plan Administrator's determination that the said order is in compliance with Section 414(p) of the Code and any applicable regulations thereunder and such distribution is made as soon as administratively practical thereafter. The Plan Administrator or Designee has promulgated procedures to determine whether a domestic relations order is a qualified domestic relations order. The procedures will be provided to a participant or alternate payee upon written request, or upon receipt of the domestic relations order by the Plan Administrator or Designee. An administrative fee shall be charged to process each qualified domestic relations order. The amount of any such the fee shall be determined by the Benefits Management Committee.

SECTION 15. EXTENT OF PARTICIPANT'S RIGHTS

(a) <u>**General**</u>. No person has any interest in or right to any part of the assets held under the Plan or the income thereon, except as and to the extent expressly provided in the Plan.

At the time of withdrawal by a Participant or Beneficiary he or she will receive shares or cash. There is no guarantee that the Current Market Value of any investment will be equal to or greater than the amount of the Participant's Savings therein. This Plan is designed to comply with and operate under Section 404(c) of ERISA. A Participant and his or her Beneficiaries assume all risk in connection with any decrease in the value of any investments allocated to such Participant's account. For purposes of Section 404(c)(1) of ERISA, in the absence of Participant or Beneficiary investment direction, a Participant or Beneficiary shall be treated as having exercised control over the assets invested in any investment which qualifies as a QDIA in accordance with Section 404(c)(5) of ERISA and the regulations promulgated thereunder.

The Plan does not and should not be construed as conferring any rights upon any person for a continuation of employment, nor does it interfere with the rights of Howmet Aerospace or any Subsidiary or Affiliate to terminate the employment of any person or to take any personnel action affecting such person without regard to the effect which such action might have upon such person or his or her Beneficiaries as a prospective recipient of benefits under the Plan.

(b) <u>**Military Service**</u>. Notwithstanding any provision of this Plan to the contrary, contributions, benefits and service credit with respect to qualified military service will be provided in accordance with Section 414(u) of the Internal Revenue Code. The Beneficiary of any Participant who dies while performing "qualified military service" (as defined in Code Section 414(u)), shall be entitled to any additional benefits (other than contributions relating to the period of qualified military service, but including any other survivor benefits) that would have been provided under the Plan had the Participant resumed active employment on the day preceding the Participant's death and then incurred a Severance from Service Date on account of death. This Section is intended to comply with, and shall be interpreted to comply with, Code Section 401(a)(37).

SECTION 16. MANAGEMENT OF FUNDS

(a) <u>General</u>. Savings, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions paid to the Trustee are invested as provided in the Plan.

(b) **Trustees and Investment Managers**. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) has the responsibility to appoint, review the performance of, and remove where deemed appropriate, one or more Trustees, and one or more investment managers each of which is a bank, insurance company or other investment adviser qualified under Section 3(38) of ERISA. The duties of each Trustee and manager, to the extent not set forth in the Plan, are set forth in a trust agreement or other written documents approved by the Board or its designee. Except as otherwise provided in such

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020 documents or in the Plan, each such investment manager has sole investment control and management responsibility with respect to those assets of the Plan for which it is designated the investment manager. The Board may delegate its authority to appoint an investment manager, to remove an investment manager, to approve and direct the execution by the proper officer or officers of Howmet Aerospace of amendments to agreements with any investment manager and to review the performance of any such managers. Such delegation also includes the authority to approve written documents setting forth the duties of any manager and to direct the execution of investment management agreements by the proper officer or officers of Howmet Aerospace. No Trustee has any investment responsibility for any assets which are subject to the investment control of another investment manager and as to such assets it only has custodial duties if it is the custodian.

(c) **Designation of Investment Strategy**. The Board may from time to time designate, as to part or all of the assets of the Plan, that a separate fund or funds be established. Except as otherwise provided in the Plan, as to each such separate fund the Board or its designee may specify the investment strategy to be employed and the investment manager is thereupon relieved of responsibility for assuring that the specified investment strategy creates suitable diversification of the overall assets of the Plan, provided that such investment manager has followed such specifications.

(d) <u>Acquisition of Fixed Income Investments by the Trustee</u>. The Trustee will enter into investment arrangements with insurance companies, banks or money managers, as directed by an investment manager duly appointed by the Board or its designee for the Fixed Income Fund. The Trustee will invest all Savings and other amounts to be invested in the Fixed Income Fund in accordance with such directions.

(e) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Fixed Income Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Fixed Income Fund as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(f) <u>Acquisition of Company Stock by Trustee</u>. The Savings, Participating Employer Contributions, Discretionary Contributions, Restricted Discretionary Contributions, and Employer Retirement Income Contributions to be invested in the Howmet Aerospace Stock Fund are used by the Trustee to purchase from time to time shares of Company Stock (i) from Howmet Aerospace, at the Current Market Value thereof, or (ii) to the extent Howmet Aerospace does make shares available for purchase by the Trustee for such purpose, on the open market, unless Howmet Aerospace otherwise directs, or (iii) by the exercise of warrants or rights as provided in this Section. The Trustee, to the extent reasonable, invests any cash held in the fund in cash equivalents (including commercial paper). The Trustee also holds for the purpose of allocation to the accounts of individual Participants as hereinafter provided (i) shares of such stock which the Trustee has acquired upon withdrawal by a Participant, and (ii) shares of such stock which the Trustee at the actual cost thereof, including any taxes, commissions, etc. which are not paid by the Participating Employer, incident to the purchase except that shares acquired upon the exercise of warrants or rights are carried at the Current Market Value of such shares on the date of such exercise.

(1) <u>Allocation of Stock to Participants' Accounts</u>. Participants' investments in the Howmet Aerospace Stock Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Howmet Aerospace Stock Fund as may be acquired with funds (if any) in such Participants' accounts to be invested therein. Such allocations are made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(2) <u>Allocation of Dividends to Participants' Accounts</u>. In valuing the units, dividends are accounted for on the date the Board declares the dividend. Once received, dividends are invested in the Howmet Aerospace Stock Fund. A Participant may elect to receive an annual distribution

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of the dividends posted to their account during the Plan Year. Such election must be made prior to the last dividend record date in the Plan Year, and distribution will be made as soon as administratively practical following the date the final dividends are posted to the Participant's account. Distribution will be paid in a lump sum from the Howmet Aerospace Stock Fund. To the extent the Participant's account balance in the Howmet Aerospace Stock Fund is insufficient to pay the dividends, the balance of the distribution will be paid pro-rata from the Participant's other Core Fund investments.

(3) <u>Reserved</u>.

(4) <u>Stock Splits & Dividends</u>. Shares of Company Stock received by the Trustee by reason of a stock split or stock dividend become part of the Howmet Aerospace Stock Fund.

(5) **Voting**. The Trustee exercises its voting rights in accordance with written directions of each Participant with respect to at least the number of whole shares of Company Stock held by it in the Participants' accounts on the record date for voting. With respect to all other shares of Company Stock held by the Trustee on the record date for voting (the "Other Shares"), including but not limited to, (i) fractional shares in the Participants' accounts (if they are not subject to direct voting), (ii) shares for which it has not received written directions from any Participant, and (iii) any shares which have not yet been allocated to Participants' accounts, the Trustee exercises its voting rights in the same proportion (for, against, abstain and so on) on each matter as it exercises its voting rights with respect to shares of Company Stock for which voting directions were received from all participants in all plans which participate in the Howmet Aerospace Stock Fund.

(6) **Separation of Alcoa Inc. and Creation of Arconic and Alcoa Corporation Stock Funds**. Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol AA. This corporate action resulted in two separate stock funds under the Plan: the Arconic Stock Fund (which is an ESOP invested primarily in employer securities) and the Alcoa Corporation Stock Fund (a non-employer stock fund). The Alcoa Corporation Stock Fund shall be permitted as an investment option under the Plan only for approximately one (1) year after November 1, 2016. The final liquidation date will be determined by the Committee in its sole and absolute discretion. No new investments or purchases may be made in the Alcoa Corporation Stock Fund on after November 1, 2016. Notwithstanding the foregoing, all dividends under the Alcoa Corporation Stock Fund shall be reinvested in the Alcoa Corporation Stock Fund until its liquidation. Nothing herein shall be interpreted to prevent a Participant from acquiring Alcoa Corporation stock under the Brokerage Account.

(7) <u>Separation of Arconic Inc. and Creation of Howmet Aerospace Inc. and Arconic Corporation Stock Funds.</u> Effective April 1, 2020, Arconic Inc. separated into two separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HMW. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. This corporate action resulted in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock fund).

The Arconic Corporation Stock Fund shall be permitted as an investment option under the Plan only for approximately one (1) year after April 1, 2020. The final liquidation date will be determined by the Benefits Investments Committee in its sole and absolute discretion. Transfers from the Arconic Corporation Stock Fund can be made pursuant to Section 9. No new investments, transfers to, or purchases may be made in the Arconic Corporation Stock Fund on or after April 1, 2020. Notwithstanding the foregoing, all dividends under the Arconic Corporation Stock Fund shall be reinvested in the Arconic Corporation Stock Fund until its liquidation. Nothing herein shall be interpreted to prevent a Participant from acquiring Arconic Corporation stock under the Brokerage Account.

(g) <u>Acquisition of Other Investments by Trustee</u>. Howmet Aerospace has and in the future will enter into investment arrangements with various investment managers. Any such arrangements must be approved by the Benefits Investments Committee. Expenses incurred in

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connection with the purchase or sale of securities by the investment manager are paid from the applicable Investment Fund.

(h) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Core Funds are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in each of the Core Funds as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(i) <u>**Transition Provision**</u>. Pending investment under an arrangement established pursuant to this Section and pending distribution to Participants following withdrawal from such an arrangement, cash is invested by the Trustee in short-term fixed income securities or cash equivalents (including commercial paper) and the value of such securities or cash equivalents is allocated to the accounts of Participants in an equitable manner determined by the Benefits Investments Committee.

(j) **Brokerage Account**. Participants have the right to invest and personally manage investments outside of the Core Funds by investing through the Brokerage Account offered by a broker selected by the Plan ("Broker"). Investment options through the Brokerage Account are mutual funds (other than those already available as Core Funds), any taxable equity or fixed income security publicly traded in a U.S. security market (including American Depository Receipts), and money market funds. Pre-Tax Savings, After-Tax Savings, Rollover Contributions, Participating Employer Contributions, Discretionary Contributions Restricted Discretionary Contributions, and Employer Retirement Income Contributions that are subject to transfer as provided in Section 9, may not be directly invested in the Brokerage Account, nor may withdrawals, distributions or loans be made directly from the Brokerage Account. Such transactions must be processed through the Core Funds. An administrative fee shall be charged to each Participant who maintains a balance in the Brokerage Account. The amount of any such the fee shall be determined by the Benefits Management Committee.

(1) **Restrictions of Trading in the Brokerage Account**. Certain restrictions apply to investment vehicles that may be available through the Brokerage Account. Specifically, the following investments are not available through the Brokerage Account: Howmet Aerospace company stock (common or preferred) and bonds; funds currently available in the Core Funds; tax-free funds; securities of publicly traded limited partnerships; options contracts; purchase on short sales, futures, precious metals, and currencies; real estate (other than funds); annuities; life insurance policies; collectibles; commodities; foreign stocks (not American Depository Receipt); and margin trading and trade-away trades that are placed by another broker and settle with the Broker.

(2) <u>**Trading within the Brokerage Account**</u>. Investment purchases in the Brokerage Account may be made after such amounts are transferred from the Participant's Core Fund accounts. Transfers from Core Funds may be made as provided in Section 9. Transferred funds will be held in the Broker's money market fund until the Participant's buy orders are received by the Broker. Trades may be subject to initial and subsequent investment minimums required by a mutual fund.

Transfers are made out of the Brokerage Account and into the Core Funds from the Schwab Money Market Fund. If there are insufficient funds to make the requested transfer, the participant must submit a sell order with Schwab. The proceeds of securities sold will be invested automatically in the Broker's money market fund and will be subsequently transferred out of the Brokerage Account to the Core Funds as directed by the Participant.

(3) **Expenses Incurred by Trading and Voting**. The Broker's standard commission schedule will be deducted from the Brokerage Account of the Participant who initiates the trades, and any other fees and expenses incurred through the Brokerage Account will be paid directly by the Participant.

The Broker will execute proxies for any securities held in the Brokerage Account accounts in accordance with written directions of any Participant.

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OTHER PROVISIONS OF THE PLAN

SECTION 17. LOANS

(a) A Participant may borrow a proportion of the Current Market Value of his or her Savings, Participating Employer and Discretionary Contributions which are eligible for transfer under Section 9 of this Plan ("Eligible Loan Account Balance").

A Participant may not borrow Restricted Discretionary Contributions or Employer Retirement Income Contributions. In addition, a Participant may not borrow Participating Employer Contributions, or Discretionary Contributions, made on or after January 1, 2011 or investment gains thereon.

A Participant shall pay a \$100 processing fee, or such other amount as may be designated by the Plan Administrator, for each loan request. The fee will be included in the loan amount, subject to the limitations of this Section 17, and deducted prior to distribution of the loan. Legacy RTI Plan Balances (as defined in <u>Schedule D</u>) shall generally be available for Plan loans, but Legacy RTI Money Purchase Plan Balances and Legacy RTI Roth Balances shall not be available for Plan loans.

(b) A loan to a Participant, when added to the balance of any other outstanding loans the Participant has under the Plan, cannot exceed the lesser of:

(1) \$50,000 reduced to the extent of the highest outstanding loan balance of the Participant's loans outstanding during the 365 day period immediately preceding the date on which the loan is made; or

(2) 50% of the sum of the Participant's (A) Eligible Loan Account Balance, plus (B) Restricted Discretionary Contributions and vested portion of Employer Retirement Income Contributions balances.

A Participant may refinance any general purpose loan for any reason at any time (but only once in a twelve-month period), as may be permitted under the Code or ERISA.

(c) Each loan to a Participant is secured by a promissory note under which the Participant pledges and grants the Trustee an interest in the Participant's Eligible Loan Account Balance to the extent of the unpaid loan.

(d) All loans to Participants are treated as investments of plan assets in their respective accounts. All principal and interest associated with a Participant's repayment of a loan are credited to his or her Plan account.

(e) The Plan Administrator has developed a procedure in accordance with the Code and ERISA under which such loans from the Plan will be made available to Participants, which procedure has been approved by the Benefits Management Committee.

(f) Loan repayments will be suspended under this Plan during a period of military service as permitted under Section 414(u)(4) of the Internal Revenue Code and the regulations promulgated under Section 72(p) of the Code. Upon the Participant's return to active employment, loan repayments will resume and the period of repayment extended in direct proportion of the Participant's period of absence for military leave.

(g) If a Qualified Individual has an outstanding loan from the Plan on or after May 8, 2020, then: (1) if the date for any repayment of such loan occurs during the Suspension Period, the due date is extended for the Extension Period; (2) the due date of the loan will be extended by the Extension Period; (3) the Plan will adjust any subsequent repayments to reflect the extension of the due date and any interest accrued during the Suspension Period; and (4) the Plan will disregard the Extension Period in determining the 5-year period and the loan term under Code §72(p)(2)(B) or (C). The Suspension Period will begin May 8, 2020 and end December 31, 2020. The Extension Period, will be one year. The provisions of this

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Section 17(g) will be applied in accordance with Section 5.B. of Notice 2020-50, or any subsequent applicable guidance, and the adjustment described in (3) may reflect the "safe harbor" described therein.

SECTION 18. TRUST

All assets of the Plan are held in trust for the Plan, except as otherwise permitted by applicable law. Howmet Aerospace has entered into a trust agreement with a national banking association which acts as Trustee under the Plan. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) may, from time to time, amend such trust agreement (subject to its terms), remove such Trustee or any Successor Trustee and upon removal or resignation of a Trustee, appoint a Successor Trustee.

SECTION 19. ADMINISTRATION

(a) **Duties of Plan Administrator**. The Plan Administrator or its Designee are responsible for the preparation and the filing with governmental agencies and the furnishing to Participants and Beneficiaries, of all summaries, descriptions, annual and other reports, notices and other documents and information which are required to be so prepared and filed or furnished under ERISA or the Code, retain appropriate records and also have all of the other responsibilities and duties of the administrator of the Plan as set forth in ERISA, except as otherwise provided in the Plan. Each Participating Employer by whom a Participant is employed furnishes to the Plan Administrator or its Designee any records required for the foregoing.

(b) **The Benefits Management Committee**. Except as provided in Section 16 and in paragraph (a) of this Section, or to the extent that such powers are granted to the Benefits Investments Committee in the Plan or the charter of the Benefits Investments Committee, the complete authority to control and manage the operation and administration of the Plan is placed in the Benefits Management Committee, which consists of one or more persons appointed from time to time by the Board.

(c) **Duties of Benefits Management Committee**. Subject to the limitations of the Plan, the Benefits Management Committee has the discretionary authority to: (1) construe and interpret the Plan, (2) interpret administrative forms and other information, (3) make credibility findings, and (4) establish supplemental regulations for the administration of the Plan and the transaction of its business. All actions, determinations and interpretations of the Benefits Management Committee will be performed in a uniform and nondiscriminatory manner to all Participants in similar circumstances. All interpretations of the Plan and determinations of disputed questions made by the Benefits Management Committee are conclusive, final and binding upon the Participating Employers, Participants, Beneficiaries, other employees and any other individuals claiming rights under the Plan, subject to a claimant's request under paragraph (e) of this Section to have the Benefits Management Committee review the denial of a claim. When making an interpretation or determination, the Benefits Management Committee is entitled to rely upon information furnished by the individual, Participant, Beneficiary or Participating Employer, unless in accordance with an appeals procedure established by the Benefits Management Committee the claimant establishes to the satisfaction of the Benefits Management Committee that Continuous Service, compensation or other records are erroneous.

(d) <u>Application for Benefits</u>. Each person applying for a benefit under the Plan must furnish all information required under procedures approved by the Benefits Management Committee.

(e) <u>Review of Denial of Benefits</u>. If any applicant's claim for benefits under the Plan is denied, the applicant will be notified in writing of such denial. Such notice will set forth the specific reasons for such denial and will be written in a manner calculated to be understood by the applicant. The applicant will be afforded a reasonable opportunity for a full and fair review by the Benefits Management Committee or its Designee of the decision denying his or her claim for benefits, in accordance with a claims procedure which the Benefits Management Committee adopts. After the final determination of an appeal by the Benefits Management Committee or its Designee, the applicant must file any litigation arising out of the underlying facts or circumstances giving rise to such claim and appeal, under ERISA or

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otherwise, within one hundred eighty (180) days following the date of the final notice provided by the Benefits Management Committee or its Designee.

(f) <u>Extent of Benefits Management Committee's and Benefits Investments Committee's Responsibility</u>. The members of the Benefits Management Committee and Benefits Investments Committee will act in a prudent manner in the performance of their duties. No member will be personally liable by virtue of any contract, agreement, bond or other instrument made or executed by or on behalf of such member as a member of the Benefits Management Committee or Benefits Investments Committee. To the extent permitted by ERISA, no member of the Benefits Management Committee or Benefits Investments Committee will be liable for any mistake of judgment made by himself or herself or any other member, nor for any loss, unless resulting from his or her own gross negligence or willful misconduct, and no member will be liable for the neglect, omissions or wrongdoing of any other member thereof, or of the agents or counsel of the Benefits Management Committee, as the case may be. To the extent permitted by law, Howmet Aerospace will indemnify and save harmless each member of the Benefits Management Committee and Benefits Investments Committee and Benefits Investments Committee against all expenses and liabilities arising out of his or her services as such, except for expenses and liabilities arising from such member's own gross negligence or willful misconduct as determined by the Board.

(g) **<u>Relationship to Other Fiduciaries</u>**. Each fiduciary in carrying out its responsibilities under the Plan may rely upon any direction, information or action of another fiduciary as being proper under this Plan or the documents under which the assets of the Plan are managed, and is not required to inquire into the propriety of any such direction, information or action. It is intended under this Plan and such documents that each fiduciary is responsible for the proper exercise of its own powers, duties, responsibilities and obligations under this Plan and such documents and is not responsible for any act or failure to act of another fiduciary, except as otherwise provided by ERISA.

(h) <u>Multiple Fiduciaries</u>. Any person or group of persons may serve in more than one fiduciary capacity with respect to the Plan.

(i) **Further Allocation of Fiduciary Duties**. Any two or more fiduciaries named herein or appointed by the Board as provided herein may from time to time agree in writing with respect to the allocation of duties and responsibilities under the Plan, including fiduciary responsibilities, among the fiduciaries so agreeing, provided however that any reallocation of fiduciary responsibilities clearly allocated by the Plan or by the Board requires prior approval of the Board.

(j) **Delegation of Fiduciary Duties**. Any fiduciary named herein or appointed by the Board as provided herein may designate another person or persons to carry out any or all of the duties and fiduciary responsibilities which it has under the Plan and which are specified in such designation except that no Trustee may delegate fiduciary responsibilities with respect to investment functions without the prior approval of the Board.

(k) **Delegation of Ministerial Duties**. Any fiduciary named herein, appointed by the Board as provided herein or designated under paragraph (j) above may delegate ministerial duties as follows: employ one or more persons to render advice, including legal and accounting services, with regard to any responsibility such fiduciary has under the Plan; may appoint ministerial agents (including brokers or others who may execute investment transactions); and may delegate to others its clerical and other non-fiduciary functions.

(1) **No Added Remuneration for Employees.** No member of the Benefits Management Committee or Benefits Investments Committee and no other person who renders services to or for the Plan may receive remuneration for services as such if he or she also is an employee of Howmet Aerospace, a Subsidiary or Affiliate.

(m) Following the effective date specified in Section 105(a)(2)(D)(v) of ERISA, the Administrator shall provide a lifetime income disclosure to each Participant and designated Beneficiary annually. The lifetime income disclosure shall set forth the lifetime income stream equivalent of the total

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benefits accrued with respect to the Participant or Beneficiary under the Plan and shall comply with the requirements of Section 105(a)(2)(D) of ERISA and any regulations promulgated thereunder.

SECTION 20. AMENDMENT, MODIFICATION, SUSPENSION OR TERMINATION

(a) **Rights Reserved.** Howmet Aerospace reserves the right, by action of the Board or the Benefits Management Committee, taken in accordance with the Board's or Benefits Management Committee's operating procedures, (1) to amend, modify, suspend or terminate the Plan or to suspend or completely discontinue contributions to the Plan, and (2) to terminate the Participation in the Plan of any Participating Employer or any designated group of Eligible Employees employed either within or outside the U.S. Any Participating Employer may terminate its participation in the Plan or suspend or discontinue its contributions under the Plan at any time upon 30 days prior written notice to the Plan Administrator. Such 30 day notice requirement may be waived by the Benefits Management Committee. No such amendment or other action relating to the Plan may reduce the amounts then credited to any Participant's account, or provide or have the effect of providing that the securities and funds held in trust for the Plan or the income thereof may be used for or devoted to purposes other than the exclusive benefit of Participants and their Beneficiaries and for the payment of expenses of the Plan.

(b) <u>Sale of Assets, etc</u>. In the event any assets of any business of any Participating Employer are transferred to another entity by sale, merger, consolidation or otherwise, and the entity to which said assets are transferred has in effect, or thereupon establishes, a taxqualified plan and related trust for the exclusive benefit of employees which qualify under the applicable provisions of the Code, all assets under the Plan, held in the accounts of Participants who continue in the employment of the transferee entity, may be transferred and paid, for their respective accounts, to the trust for the tax-qualified plan of said transferee entity, provided that any such transfer of investments will be effected in such manner as to preclude, for federal income tax purposes, a termination of the Plan or the constructive receipt of benefits thereunder with respect to said Participants.

(c) <u>Transfer of Plan Assets</u>.

(1) Notwithstanding the foregoing, in the event of any merger or consolidation of the Plan with, or a transfer of any of the assets and liabilities of the Plan to any other plan, each affected Participant must (as if such plan were terminated immediately after such merger, consolidation or transfer) be entitled to a benefit under such other plan which is equal to or greater than the benefit he or she would have been entitled to receive under the Plan immediately prior to such merger, consolidation or transfer (as if the Plan had then terminated). In the event that assets are transferred to this Plan from any other plan sponsored by Howmet Aerospace or any Subsidiary or Affiliate, each Participant who has assets transferred from such plan or plans will be entitled to a benefit under this Plan which is equal to or greater than the benefit he or she had under such other plan. Any protected optional form of benefits provided under said plan will be maintained under this Plan. These provisions do not constitute a guaranty against investment losses.

(2) In the event a participant in a plan named below ("Howmet Aerospace Savings Plans"), becomes an Eligible Employee under this Plan, all of the participant's accounts in the applicable Howmet Aerospace Savings Plan will be transferred to analogous accounts in this Plan as soon as reasonably practical after the Plan Administrator or Designee receives notice.

Howmet Aerospace Hourly Retirement Savings Plan; and Howmet Aerospace Niles Bargaining Retirement Savings Plan.

(3) In the event a Participant ceases to be an Eligible Employee under this Plan and the Participant becomes an eligible employee under one of the Howmet Aerospace Savings Plans listed in (2) above, all of the Participant's accounts will be transferred to analogous accounts in the applicable Plan, as soon as reasonably practical after the Plan Administrator or Designee receives notice and the Participant ceases to be a Participant, and will be entitled to no further benefits under this Plan.

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020

SECTION 21. ADMINISTRATIVE EXPENSES

Except as otherwise provided in the Plan, all costs and expenses incurred in administering the Plan, including the expenses of the Benefits Management Committee or Benefits Investments Committee, the fees and expenses of the Trustee, the fees and charges payable under the investment arrangements, and other legal and administrative expenses, are paid by the Plan.

Investments in the Core Funds will be subject to an administrative expense fee, which will be used to pay the expenses of the Plan. The fee will be periodically adjusted by the Plan Administrator based on the actual expenses of the Plan.

SECTION 22. SELECTION OF BENEFICIARIES

(a) **Designation of Beneficiary**. Subject to such administrative procedures as may be adopted from time to time, the Beneficiary with respect to all of the assets in the accounts of a Participant will be the Participant's spouse if then living, or if not, the Participant's estate. With the written notarized consent of a Participant's spouse, a Participant may file with the Plan Administrator or its Designee a written designation of a Beneficiary or Beneficiaries other than his or her spouse. In the event the designation of such other Beneficiary is revoked in writing by the Participant, his or her spouse will become the Beneficiary or Said assets until such time as the Participant, with his or her spouse's written notarized consent, designates in writing another Beneficiary or Beneficiaries.

In the event a Participant certifies that he or she does not have a spouse, a Beneficiary or Beneficiaries with respect to all or part of the assets in the accounts of the Participant may be designated or revoked by the sole action of the Participant.

If there is no designated Beneficiary, or if no Beneficiary is living at the time of the Participant's death, the Beneficiary is the Participant's spouse if then living, or if not, the Participant's estate.

Written designations of a primary Beneficiary or a contingent Beneficiary to receive the assets of a Participant in the case where the primary Beneficiary is deceased, spousal consents, and revocations are made on a form or forms approved by the Plan Administrator. Any such written designation, consent or revocation become effective on the calendar day on which such designation, consent or revocation is Properly Received. After the death of a Participant, a properly designated Beneficiary may name his or her own Beneficiary to receive a distribution of the Beneficiary's account balances when the Beneficiary is deceased ("Subsequent Beneficiary"). A Subsequent Beneficiary shall receive a total distribution of the Subsequent Beneficiary's account balance within the later of: (i) ninety (90) days after death of the Beneficiary who named such Beneficiary or (ii) five (5) years of the Participant's death.

(b) **Other Payments**. In case of incapacity of a Participant or Beneficiary entitled to a benefit under the Plan, benefit payment are made to such person's legal representative who makes claim therefore, or if no such claim has been received, to such other person or persons as the Benefits Management Committee, utilizing objective criteria, selects from among dependents, next of kin or friends. Any payment of a benefit under the Plan in accordance with the provisions of this Section is a complete discharge of any liability for the payment of such benefit under the Plan.

SECTION 23. PARTICIPANT'S STATEMENT

A statement showing each Participant's interest in each of the Plan's Investment Funds will be made available at least quarterly.

SECTION 24. EFFECTIVE DATE OF PLAN

The Plan is amended and restated effective January 1, 2021.

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020

SECTION 25. CONSTRUCTION

It is intended that the Plan conform to the applicable requirements of ERISA and the Code, and that the Plan and related trust agreement are considered one if and to the extent necessary for compliance therewith. Except to the extent otherwise provided in ERISA and the Code, the Plan is construed, regulated and administered under the laws of the Commonwealth of Pennsylvania, including its applicable statute of limitations (as such may be superseded by any limitations period provided under the terms of the Plan).

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020

SCHEDULE D SPECIAL PROVISIONS RELATING TO TRANSFERRED RTI PARTICIPANTS

This Schedule D contains special provisions that supersede any contradictory terms in the Plan text. The provisions of this Schedule D shall apply to Participants based on the subaccount balances that were transferred to an Arconic Retirement Savings Plan on January 1, 2017, and subsequent transfers of employment shall have no impact on the status of such subaccount balances.

1. The provisions of this <u>Schedule D</u> shall apply only to the account balances (hereinafter, "**Legacy RTI Plan Balance**") of Participants (hereinafter "**Legacy RTI Participants**") who transferred to a) the Arconic Salaried Retirement Savings Plan (now known as the Howmet Aerospace Salaried Retirement Savings Plan, (b) the Arconic Hourly Non-Bargaining Retirement Savings Plan (now known as the Howmet Aerospace Hourly Retirement Savings Plan) or (c) the Arconic Retirement Savings Plan for ATEP Bargaining Employees (now known as the Howmet Aerospace Niles Bargaining Retirement Savings Plan) from either the (a) RTI Employee Savings and Investment Plan; (b) RTI International Metals, Inc. Employee Savings and Investment Plan; or (c) RTI Bargaining Unit Employee Savings and Investment Plan (hereinafter "**Legacy RTI Plans**") effective January 1, 2017.

2. <u>Required Minimum Distributions</u>. Notwithstanding anything to the contrary in Section 13 of the Plan or otherwise, Legacy RTI Participants shall have the right to delay required minimum distributions on all Legacy RTI Plan Balances as of December 31, 2016 until the later of attaining age 70 ½ (age 72 on and after January 1, 2020) or the Participant's Severance from Service Date.

- 3. <u>Legacy RTI Roth Balances</u>.
 - (a) **"Legacy RTI Roth Balance**" means the portion of a Legacy RTI Participant's account attributable to Roth 401(k) contributions and earnings thereon under the Legacy RTI Plans as of December 31, 2016.
 - (b) <u>Separate Roth Subaccounts; No New Contributions</u>. Separate subaccounts shall be maintained for Legacy RTI Roth Balances. The Plan will maintain a record of the amount of the Legacy RTI Roth Balances in each such subaccount. Gains, losses, and other credits or charges will be separately allocated on a reasonable and consistent basis to each Participant's Legacy RTI Roth Balances subaccount and the Participant's other subaccounts within the Participant's account. No new contributions other than properly attributable earnings will be credited to each Participant's Legacy RTI Roth subaccount. No Roth rollovers are accepted into this Plan, and no in-plan Roth conversions are permitted under this Plan.
 - (c) <u>Distributions</u>. Distributions of Legacy RTI Roth Balances shall be available to the extent that other distributions are available under the Plan.
 - (d) <u>No Plan Loans</u>. No Plan loans shall be permitted from Legacy RTI Roth Balances.
 - (e) <u>Small Sum Cashouts</u>. Legacy RTI Roth Balances will be considered separately from other Plan subaccounts for purposes of rollovers of small sum cashouts under Section 12.
 - (f) <u>Rollovers</u>. Any portion of an eligible rollover distribution of a Legacy RTI Roth Balance may only be rolled over to another designated Roth account established for the individual under an applicable retirement plan described in Code Section 402A(e)(1) that provides for Roth contributions or to a Roth individual retirement account described in Code Section 408A, subject to the rules of Code Section 402(c).

4. <u>Legacy RTI Money Purchase Plan Balances</u>. "**Legacy RTI Money Purchase Plan Balance**" means the portion of the Legacy RTI Plan Balance in a Legacy RTI Participant's account as of January 1, 2017 that is attributable to a money purchase plan. The following provisions shall apply to Legacy RTI Money Purchase Plan Balances:

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- (a) <u>Not Available for Plan Loans</u>. Legacy RTI Money Purchase Plan Balances will not be available for Plan loans. All other Legacy RTI Plan Balances in a Legacy RTI Participant's account will be available for Plan loans.
- (b) <u>Not Available for In-Service Distribution</u>. Legacy RTI Money Purchase Plan Balances will not be available for hardship withdrawals or any other in-service distribution or withdrawal.
- (c) Form of Payment.
 - (i) <u>Special Definitions</u>. For purposes of this Article, the following special definitions shall apply:
 - (A) "Annuity Starting Date" means the first day that an amount is payable as an annuity under the Plan.
 - (B) **"Qualified Joint and Survivor Annuity**" means (1) if the Participant is not married on his or her Annuity Starting Date, an immediate annuity payable for the life of the Participant or (2) if the Participant is married on his Annuity Starting Date, an immediate annuity for the life of the Participant with a survivor annuity for the life of the Participant's spouse (to whom the Participant was married on the Annuity Starting Date) equal to 50 percent of the amount of the annuity which is payable during the joint lives of the Participant and such spouse, provided that the survivor annuity shall not be payable to a Participant's spouse if such spouse is not the same spouse to whom the Participant was married on his Annuity Starting Date.
 - (C) **"Qualified Optional Survivor Annuity**" means a joint and survivor annuity that the Participant, subject to the spousal consent rules described in subsection (iv) hereof, may elect and in which the survivor annuity portion of the annuity is equal to 75%.
 - (D) **"Qualified Preretirement Survivor Annuity**" means an annuity purchased with at least 50% of a Participant's account balance that is payable for the life of a Participant's surviving spouse.
 - (ii) The default form of payment for the entire account balance of all Legacy RTI Plan Participants with a Legacy RTI Money Purchase Plan Balance is a Qualified Joint and Survivor Annuity. Distribution shall be made to the Participant from his or her account in the form of a Qualified Joint and Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Joint and Survivor Annuity. If the Participant dies prior to his Annuity Starting Date, distribution shall be made to the Participant's surviving spouse, if any, in the form of a Qualified Preretirement Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Preretirement Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Preretirement Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Preretirement Survivor Annuity as provided in subsection (iii) hereof, or unless the Participant waives the Qualified Preretirement Survivor Annuity as provided in subsection (iii) hereof, or unless the Participant's surviving spouse elects in writing to receive distribution in one of the other forms of payment provided under the Plan. A Participant's account that is subject to the requirements of this subsection shall be used to purchase the Qualified Preretirement Survivor Annuity and the balance of the Participant's account that is not used to purchase the Qualified Preretirement Survivor Annuity shall be distributed to the Participant's spouse. In the event that the Participant's benefit is payable in the form of a Qualified Joint and Survivor Annuity or Qualified Optional Survivor Annuity, the following provisions shall apply:

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020

- (A) The Trustee shall purchase the annuity contract on behalf of a Participant or Beneficiary from an insurance company. Such annuity contract shall be nontransferable.
- (B) The terms of the annuity contract shall comply with the requirements of the Plan and distributions under such contract shall be made in accordance with Code Section 401(a)(9) and the Treasury Regulations issued thereunder.
- (C) The annuity contract may provide for payment over the life of the Participant and, upon the death of the Participant, may provide a survivor annuity continuing for the life of the Participant's spouse. The types of annuity contracts available for purchase are limited to the Qualified Joint and Survivor Annuity or a Qualified Preretirement Survivor Annuity.
- (D) The annuity contract must provide for non-increasing payments.
- <u>Waiver of the Qualified Joint and Survivor Annuity and/or Qualified Preretirement Survivor Annuity Rights.</u> A Participant may waive the Qualified Joint and Survivor Annuity and elect another form of distribution permitted (iii) under the Plan at any time during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married, his or her spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive or revoke a waiver of the Qualified Joint and Survivor Annuity and elect another form of distribution permitted under the Plan at any time and any number of times during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married and is electing a form of distribution other than the Qualified Joint and Survivor Annuity or the Qualified Optional Survivor Annuity, his spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive the Qualified Preretirement Survivor Annuity and designate a non-spouse Beneficiary at any time during the "applicable election period"; provided, however, that the Participant's spouse must consent in writing to such election as provided in subsection (iv) hereof. The "applicable election period" begins on the later of (1) the date the Participant's account becomes subject to the requirements of this section or (2) the first day of the Plan Year in which the Participant attains age 35 or, if he terminates employment prior to such date, the date he or she terminates employment with the Employer and all Related Employers. The "applicable election period" ends on the earlier of the Participant's Annuity Starting Date or the date of the Participant's death. A Participant whose employment has not terminated may elect to waive the Qualified Preretirement Survivor Annuity prior to the Plan Year in which he or she attains age 35, provided that any such waiver shall cease to be effective as of the first day of the Plan Year in which the Participant attains age 35. A Participant's waiver of the Qualified Joint and Survivor Annuity or Qualified Preretirement Survivor Annuity shall be valid only if the applicable notice described in subsection (v) or (vi) has been provided to the Participant.
- (iv) <u>Spouse's Consent to Waiver</u>. A spouse's written consent must acknowledge the effect of the Participant's election and must be witnessed by a Plan representative or a notary public. In addition, the spouse's written consent must either (a) specify any non-spouse Beneficiary designated by the Participant and that such designation may not be changed without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the designated Beneficiary without the spouse's further consent. A Participant's spouse shall be deemed to have given written consent to a Participant's waiver if the Participant establishes to the satisfaction of a Plan representative that spousal consent cannot be obtained because the spouse cannot be located or because of other circumstances

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set forth in Code Section 401(a)(11) and Treasury Regulations issued thereunder. Any written consent given or deemed to have been given by a Participant's spouse hereunder shall be irrevocable and shall be effective only with respect to such spouse and not with respect to any subsequent spouse. In addition, with regard to a Participant's waiver of the Qualified Joint and Survivor Annuity form of distribution, the spouse's written consent must either (a) specify the form of distribution elected instead of the Qualified Joint and Survivor Annuity, and that such form may not be changed (except to a Qualified Joint and Survivor Annuity) without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the form of distribution elected without the spouse's further consent. A spouse's consent to a Participant's waiver shall be valid only if the applicable notice described in section (v) or (vi) has been provided to the Participant.

- (v) <u>Notice Regarding Qualified Joint and Survivor Annuity</u>. The notice provided to a Participant under this section shall include a written explanation that satisfies the requirements of Code Section 417(a)(3) and regulations issued thereunder. The notice will include a description of the following: (i) the terms and conditions of a Qualified Joint and Survivor Annuity and the Qualified Optional Survivor Annuity; (ii) the participant's right to make and the effect of any election to waive the qualified joint and survivor annuity form of benefit; (iii) the rights of a participant's spouse; and (iv) the right to make, and the effect of, a revocation of a previous election to waive the qualified joint and survivor annuity.
- (vi) <u>Notice Regarding Qualified Preretirement Survivor Annuity</u>. The Participant shall be provided with a written explanation of the Qualified Preretirement Survivor Annuity comparable to the written explanation provided with respect to the Qualified Joint and Survivor Annuity, as described in subsection (v) hereof. Such explanation shall be furnished within whichever of the following periods ends last: (a) the period beginning with the first day of the Plan Year in which the Participant reaches age 32 and ending with the end of the Plan Year preceding the Plan Year in which he reaches age 35; (b) a reasonable period ending after the employee becomes a Participant; or (c) in the case of a Participant who separates from service before age 35, a reasonable period ending after such separation from service. For purposes of the preceding sentence, the two-year period beginning one year prior to the date of the event described above and ending one year after such date shall be considered reasonable; provided, however, that in the case of a Participant who separates from service and subsequently recommences employment with the Company, the applicable period for such Participant shall be redetermined in accordance with this subsection.
- (vii) <u>Former Spouse</u>. For purposes of this Section, a former spouse of a Participant shall be treated as the spouse or surviving spouse of the Participant, and a current spouse shall not be so treated, to the extent required under a qualified domestic relations order, as defined in Code Section 414(p).

Howmet Aerospace Salaried Retirement Savings Plan Amended and Restated Effective as of February 1, 2020

HOWMET AEROSPACE NILES BARGAINING RETIREMENT SAVINGS PLAN AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

HOWMET AEROSPACE NILES BARGAINING RETIREMENT SAVINGS PLAN

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HOWMET AEROSPACE NILES BARGAINING RETIREMENT SAVINGS PLAN AS AMENDED AND RESTATED EFFECTIVE JANUARY 1, 2021

HISTORY AND PURPOSE

The Howmet Aerospace Niles Bargaining Retirement Savings Plan (the "Plan") is maintained pursuant to various collective bargaining agreements entered into between RMI (or, prior to October 28, 2017, RTI) International, Inc. (herein called "RMI" (or, prior to October 28, 2017, RTI)) or its subsidiaries or affiliates and the duly authorized bargaining representative for certain bargaining employees to provide said employees with any or all of the benefits described herein. This Plan is a defined contribution, individual account plan which incorporates an Internal Revenue Code Section 401(k) wage reduction arrangement, intending to qualify under Section 401(a) of the Internal Revenue Code, for the exclusive benefit of its eligible employees. This Plan was formed effective January 1, 2017, when actively employed participants in the RMI (or, prior to October 28, 2017, RTI) Bargaining Unit Employee Savings and Investment Plan ("Legacy RMI (or, prior to October 28, 2017, RTI) Plan") had their accounts transferred to this Plan.

RMI (or, prior to October 28, 2017, RTI) is a subsidiary of Arconic Inc., formerly known as Alcoa Inc. Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol AA. This corporate action resulted in two separate stock funds under the Legacy RMI (or, prior to October 28, 2017, RTI) Plan: the Arconic Stock Fund (which is an ESOP invested primarily in employer securities) and the Alcoa Corporation Stock Fund (a non-employer stock fund). Investments in these two funds were transferred directly to the Arconic Stock Fund and Alcoa Corporation Stock Fund under this Plan. The Alcoa Corporation Stock Fund was liquidated approximately one year after its establishment. Effective April 1, 2020, Arconic Inc. separated into two-separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HWM. Arconic Corporation spunder the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock-fund). The Howmet Aerospace Stock Fund in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock-fund). The Howmet Aerospace Stock Fund is an employee stock ownership plan, within the meaning of Section 4975(e) of the Code, and is intended to comply with all applicable provisions. The Arconic Corporation Stock Fund was liquidated approximately one year after its establishment. The assets held in the ESOP must be invested primarily in employer securities as defined in Code Section 409(l).

This Plan is intended to be construed in accordance with any applicable regulatory guidance issued with respect to any applicable laws and regulations. Effective October 28, 2017, all employees of RTI International Metals, Inc. had their employment transferred to Arconic Inc. (now known as Howmet Aerospace Inc.), in connection with the merger of RTI International Metals, Inc., into Arconic Inc. Effective October 28, 2017, sponsorship of this Plan was conveyed from RTI International Metals, Inc., to RMI Titanium Company, LLC.

Effective February 1, 2020, this Plan was renamed as the Howmet Aerospace Niles Bargaining Retirement Savings Plan.

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

Effective January 1, 2021, the Plan is hereby amended and restated again to incorporate provisions of prior Plan amendments adopted since the January 1, 2017, restatement of the Plan as well as to reflect new laws and regulations that have come into effect since the January 1, 2017, restatement of the Plan.

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

DEFINITIONS

For the purpose of this Plan, unless a different meaning is plainly required by the context:

AFFILIATE means any non-corporate business entity or corporate business entity without voting stock, as such, which Howmet Aerospace and/or one or more Subsidiaries control in fact.

AFTER-TAX SAVINGS means such portions of the total amounts contributed to the Plan by a Participant in accordance with Section 2 that are not accorded favorable tax treatment under Section 401(k) of the Code, but not including contributions made by a Participant in excess of the annual limit on 401(k) contributions under Code Section 402(g) or in excess of the "average deferral percentage limit" of Section 401(k) (3) of the Code.

AUTOMATIC ENROLLMENT or AUTOMATICALLY ENROLLED means the automatic default enrollment in the Plan described in Sections 1(b) and 2(c) and applicable to Eligible Employees who do not opt out of the Plan.

AUTOMATIC PRE-TAX RATE ESCALATION means the feature that is effective with Automatic Enrollment or that may be elected by a Participant, in which the rate of Payroll Deduction for Pre-Tax Savings is increased until a target Payroll Deduction rate is reached. The Automatic Pre-Tax Rate Escalation will increase effective April 1 of each year.

AUTOMATIC REBALANCING means the feature described in Section 7(d).

BARGAINING AGREEMENTS means the collective bargaining agreements entered into between a Participating Employer and one or more of the unions designated in Schedule B-1.

BENEFICIARY means the recipient or recipients designated by a Participant, in accordance with Section 21 of the Plan, to receive benefits in the event of the Participant's death as either a primary beneficiary, or a contingent beneficiary who will receive benefits in the event the primary beneficiary predeceases the Participant.

BENEFITS INVESTMENTS COMMITTEE means the Benefits Investments Committee of Howmet Aerospace which shall have authority over the investment of Plan assets as described herein and over the selection of the Core Funds.

BENEFITS MANAGEMENT COMMITTEE means the Benefits Management Committee of Howmet Aerospace, which interprets and administers the Plan in accordance with Section 18.

BOARD means prior to October 28, 2017, the Board of Directors of RMI (or, prior to October 28, 2017, RTI). Effective October 28, 2017, Board means the Manager of RMI Titanium Company, LLC.

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Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 **BROKERAGE ACCOUNT** means the investment option whereby a Participant may invest and personally manage investments outside the Core Funds as described in Section 15(h).

BUSINESS DAY means any day on which the Plan Administrator, Designee and New York Stock Exchange is open for business.

CODE means the Internal Revenue Code of 1986, as amended.

COMPANY STOCK means common stock of Howmet Aerospace and any substituted security under Section 15.

CONTINUOUS SERVICE means, except as modified by the balance of this definition with respect to certain Participant populations, the period of continuous employment with RMI (or, prior to October 28, 2017, RTI) and its subsidiaries and affiliates prior to July 23, 2015, and after July 23, 2015, the period of continuous employment with RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate, either as a salaried employee or as an hourly-rated employee, commencing with the Participant's Employment Commencement Date or Reemployment Commencement Date. Continuous Service terminates on the Participant's Severance from Service Date. Continuous Service upon reemployment does not include any Continuous Service accrued prior to a termination of Continuous Service, except as follows:

A Participant who incurs a Severance from Service Date and thereafter has a Reemployment Commencement Date, will have his or her Continuous Service on the Severance from Service Date reinstated if the period between his or her Severance from Service Date and his or her Reemployment Commencement Date is less than the greater of (a) five years or (b) the aggregate number of years of Continuous Service earned before the Severance from Service Date.

CORE FUND means any investment vehicle (including the Howmet Aerospace Stock Fund and Target Maturity Funds) for Pre-Tax Savings, After-Tax Savings, Participating Employer Contributions, Retiree Medical Savings Contributions, but excluding the Brokerage Account. The Benefits Investments Committee will determine the Core Funds, and may make changes to the composition of the funds from time to time.

CURRENT MARKET VALUE means with respect to any investment allocated to the accounts of any Participant in the Core Funds, the unitized value of the securities and cash of the investment in the applicable Fund as of a specified date, less any fees provided for in Section 20, valued in accordance with a procedure adopted by the investment manager for the Investment Fund and acceptable to the Benefits Investments Committee.

DESIGNEE means such entity as may be chosen from time to time by the Plan Administrator and approved by the Benefits Management Committee to handle certain specified administration functions of the Plan.

DISCRETIONARY CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(b).

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Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 **EFFECTIVE DATE** with respect to a distribution has the meaning prescribed in Section 12, with respect to a transfer has the meaning prescribed in Section 8 and with respect to a qualified domestic relations order has the meaning prescribed in Section 13.

ELIGIBLE COMPENSATION means: wages reportable on IRS Form W-2, excluding reimbursements or other expense allowances, fringe benefits moving expenses, deferred compensation, any payments made to an Employee performing qualified military service in lieu of wages the individual would have received from the Employer if the individual were performing service for the Employer, unused leave, and welfare benefits and including salary reduction contributions you made to an Employer sponsored cafeteria, qualified transportation fringe, simplified employee pension, 401(k), 457(b) or 403(b) plan. In addition, Eligible Compensation excludes differential wages, commissions and the value of restricted stock or nonqualified stock options granted to a Participant and, with respect to bargaining employees (Union Codes 9BH and 9WH) in the United Steelworkers bargaining unit at the Niles, Ohio location (Location Code NIL) of RMI Titanium Company, LLC (Company Code 905) of the Company (Location Code: NIL), Eligible Compensation excludes payments made to the Eligible Employee for retroactive wages granted under the 2019 collective bargaining agreement and paid on August 8, 2019 and August 15, 2019. In no event may the amount of Eligible Compensation for any Participant during any Plan Year, for any purposes under this Plan, exceed \$290,000, as adjusted for any Plan Year for cost-of-living increases in accordance with Section 401(a)(17)(B) of the Code applicable to that calendar year.

ELIGIBLE EMPLOYEE means any person who meets all of the following conditions:

(a) is a resident or citizen of the U.S., employed by a Participating Employer as a Full-Time Employee or a Part-Time Employee, and who receives regular compensation in the form of: (1) a weekly, semimonthly or monthly salary, (2) periodic commissions, (3) an hourly wage,

(b) is in a unit or group of employees covered by an applicable Bargaining Agreement which provides for participation in the Plan;

(ii) Is not in a group of employees excluded from coverage under the Plan by the Benefits Management Committee, or the appropriate governing body of a Participating Employer, which is uniform in application to all employees similarly situated; and

(iii) Is in a group of employees which is accorded coverage under the Plan by a resolution adopted by the Benefits Management Committee or Howmet Aerospace which is uniform in application to all employees similarly situated. Schedule B-1 provides a list of such hourly employees.

(iv) Is a Temporary Employee who, in addition to meeting the above described terms and conditions (other than (b)), has at least one year of Continuous Service.

Eligible Employees are designated in Schedule B-1 as individuals employed by a participating Company (Company Code), at a specified location (Location Code), and included in a bargaining unit (Union Code) as indicated in Schedule B-1. A person

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employed as an expatriate at a location outside the United States will be deemed to be employed at the Company and location from which he or she is transferred.

The following will in no case be Eligible Employees: agency, leased, contract employees and other individuals who are not on the payroll of the Company, as determined by the Company, without regard to any court, or agency decision determining common-law employment status. Leased Employee is excluded from participation in the Plan. A Leased Employee means any person who is not an employee of any Participating Employer and who provides services if:

a) such services are provided pursuant to an agreement between the recipient Participating Employer and any other person or a leasing organization,

b) such person has performed such services for the recipient Participating Employer on a substantially full-time basis for a period of at least one year, and

c) such services are performed under the primary direction or control of the recipient Participating Employer,

or as otherwise defined in Section 414(n) of the Code.

Any former Leased Employee, upon becoming an Eligible Employee, will receive Continuous Service credit for all prior service performed with the recipient Participating Employer as a Leased Employee prior to becoming an Eligible Employee.

EMPLOYMENT COMMENCEMENT DATE means the date on which an Eligible Employee is first employed by and performs an Hour of Service for RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or an Affiliate on a full-time or part-time basis.

ERISA means the Employee Retirement Income Security Act of 1974 as amended.

ESOP or EMPLOYEE STOCK OWNERSHIP PLAN means the Howmet Aerospace Stock Fund as described in Section 15(e).

FINANCIAL HARDSHIP means an immediate and heavy financial need which a Participant is not able to meet from other reasonably available resources. An immediate and heavy financial need includes:

(a) Extraordinary medical expenses incurred by the Participant, the Participant's spouse, dependents of the Participant, or primary Beneficiary;

(b) Purchase, excluding mortgage payments, of a principal residence for the Participant;

(c) Payment of tuition for the next year of post-secondary education for the Participant, his or her spouse, children, dependents or primary Beneficiary;

(d) Expenses necessary to prevent eviction of the Participant from his principal residence, or foreclosure on the mortgage of the Participant's principal residence;

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(e) Funeral expenses of a family member or primary Beneficiary;

(f) Expenses to repair damage to the Participant's principal residence that would qualify for a casualty loss deduction under Code Section 165, such amounts will be determined without regard to Code Section 165(h)(5); and

(g) All other expenses that the Internal Revenue Service will accept as an immediate and heavy financial need.

A withdrawal will be deemed to be necessary to satisfy an immediate and heavy financial need of a Participant if all of the following requirements are satisfied:

(i) The withdrawal is not in excess of the amount of the immediate and heavy financial need (including taxes on such withdrawal) of the Participant,

(ii) The Participant has obtained all distributions, other than hardship withdrawals, and all nontaxable loans currently available under all plans maintained by the Participating Employer (unless such a loan would contribute to the hardship),

(iii) The Plan, and all other qualified and non-qualified plans of deferred compensation maintained by all Participating Employers (other than health and welfare or contributory defined benefit plans), provide that for hardship withdrawals made before January 1, 2019, the Participant's Savings will be suspended for at least 6 months after receipt of the hardship withdrawal, and

(iv) The Participant represents in writing (including by using an electronic medium as defined in Section 1.401(a)-21(e)(3)), that the Participant has insufficient cash or other liquid assets reasonably available to satisfy the financial need.

Based upon the foregoing provisions, the Designee determines whether or not a Participant has incurred a Financial Hardship.

FULL-TIME EMPLOYEE means an active employee who works 100 percent of a regular work schedule for the location where he or she is employed.

HOUR OF SERVICE means:

(a) Each hour for which an employee is paid or entitled to payment for the performance of duties for RMI (or prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate;

(b) Each hour for which an Employee is paid or entitled to payment by RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate on account of a period during which no duties are performed, whether or not the employment relationship has terminated, due to vacation, holiday, illness, incapacity (including disability), layoff, jury duty, military duty, or leave of absence; and

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 (c) Each hour for which back pay, irrespective of mitigation of damages, is either awarded or agreed to by RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate excluding any hour credited under (a) or (b) above, which is credited to the computation period or periods to which the award, agreement or payment pertains, rather than to the computation period in which the award, agreement or payment is made.

HOWMET AEROSPACE means Howmet Aerospace Inc. (formerly known as Arconic Inc. prior to April 1, 2020 when Arconic Inc. legally separated into two publicly-traded companies -- Howmet Aerospace Inc. and Arconic Corporation) and formerly known as Alcoa Inc. prior to August 1, 2016 when Alcoa Inc. legally separated into two publicly traded companies – Alcoa Inc. and Arconic Inc.).

HOWMET AEROSPACE STOCK FUND means the ESOP as described in Section 15(e), which was previously known as the Alcoa Stock Fund prior to the corporate separation of Alcoa Inc. and the renaming of Alcoa Inc. as Arconic Inc. effective November 1, 2016; and Arconic Stock Fund prior to the corporate separation of Arconic Inc. and the renaming of Arconic Inc. as Howmet Aerospace Inc., effective April 1, 2020.

INVESTMENT FUND means any Core Fund and the Brokerage Account.

KEY EMPLOYEE means any employee or former employee (including any deceased employee) who at any time during the Plan Year that includes the determination date, as defined in Section 416(g)(4)(c) of the Code, was i) an officer of a Participating Employer having annual compensation greater than \$185,000 (as adjusted under Section 416(i)(1) of the Code, ii) a five percent owner of the Participating Employer, or iii) a one percent owner of a Participating Employer having annual compensation of more than \$150,000. For purposes of this paragraph, compensation means compensation as defined in Section 415(c)(3) of the Code, but includes amounts contributed by the Participating Employer pursuant to a salary reduction agreement which are excludable from the Participant's gross income under Section 125, Section 402(a), Section 401(h), Section 401(b), and Section 132(f)(4).

LAYOFF or **LAID-OFF** means the absence from employment due to a reduction of a Participating Employer's work force due to lack of work, where it is intended that the Participant will be subject to recall. A Layoff ends on the earlier of the effective date of a recall or the date the Participant's service terminates, and such Layoff has continued for at least twenty-four months calculated from the first day of the Lay Off.

LEASED EMPLOYEE means any person who is not an employee of, and who provides services to, Howmet Aerospace if (A) such services are provided pursuant to an agreement between Howmet Aerospace and any leasing organization, (B) such person has performed such services for the Howmet Aerospace on a substantially full-time basis for a period of at least 1 year, and (C) such services are performed under the primary direction or control of Howmet Aerospace.

LEGACY RMI PLAN means the RMI (or, prior to October 28, 2017, RTI) Bargaining Unit Employee Savings and Investment Plan.

NORMAL RETIREMENT AGE means the time a Participant attains age 65.

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 **PART-TIME EMPLOYEE** means an active employee who works at least 50 percent but less than 100 percent of the regular work schedule for the location where he or she is employed.

PARTICIPANT means an Eligible Employee who has elected to participate in the Plan in accordance with the provisions of Section 1, who receives Discretionary Contributions or Retiree Medical Contributions or who is Automatically Enrolled in the Plan. Such a person continues as a Participant so long as he or she has an account balance in the Plan. Notwithstanding the foregoing, a contractor, agency employee, temporary employee or Leased Employee is not a Participant under the Plan.

PARTICIPATING EMPLOYER means RMI (or, prior to October 28, 2017, RTI), except as specified hereafter, and any other entity in which Howmet Aerospace or one or more Subsidiaries or Affiliates have an ownership interest, and that is authorized by RMI (or, prior to October 28, 2017, RTI) to participate in the Plan and which adopts the Plan by proper action of its board of directors or other governing body, provided that each said entity agrees to reimburse RMI (or, prior to October 28, 2017, RTI) from time to time upon demand for its proper portion of the expenses and contributions required to carry out the provisions hereof and of the agreement under which the assets of the Plan are held or managed. Schedule B-1 lists applicable locations of Participating Employers.

PARTICIPATING EMPLOYER CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 3.

PARTICIPATION DATE means the date on which an Eligible Employee commences participation in the Plan.

PAYROLL DEDUCTIONS means the Pre-Tax Savings and After-Tax Savings based on a reduction of the Participants' Eligible Compensation for the applicable Payroll Period.

PAYROLL PERIOD means the regularly scheduled payroll cycles in which a Participant earns Eligible Compensation.

PERMANENT LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be subject to recall. A Participant's Continuous Service for purposes of the Plan will be terminated on the first day of Permanent Layoff.

PERMANENT SHUTDOWN means the permanent shutdown, as determined by a Participating Employer, of a plant, department or substantial portion thereof, of a Participating Employer at which a Participant who is affected thereby is employed.

PLAN means the Howmet Aerospace Niles Bargaining Retirement Savings Plan, as amended and restated, effective January 1, 2021, and as may be amended from time to time. Prior to February 1, 2020, the Plan was named the Arconic Retirement Savings Plan for ATEP Bargaining Employees.

PLAN ADMINISTRATOR means the Benefits Management Committee.

PLAN YEAR means the calendar year.

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PRE-TAX CATCH-UP CONTRIBUTIONS means contributions permitted under Section 414(v) of the Code, as described in Section 2(k) of the Plan.

PRE-TAX SAVINGS means the amount by which a Participant has elected to reduce his or her Eligible Compensation and defer the receipt thereof in accordance with Section 2, and the contribution of the said amount to the Plan, or an amount by which a Participant's Eligible Compensation is deferred and contributed to the Plan pursuant to Automatic Enrollment,.

PROPERLY RECEIVED means any request to participate, to change participation in the Plan, for suspension of Payroll Deductions, to discontinue Automatic Pre-Tax Rate Escalation, for a transfer between investments in accordance with Sections 7 or 8, to discontinue Automatic Investment Rebalancing, or a for a withdrawal in accordance with either Section 9 or 10, or submission of a beneficiary designation, consent or revocation in accordance with Section 21, made to the Plan Administrator or its Designee in a manner designated by the Plan in accordance with uniform rules established by the Plan Administrator.

QUALIFIED DEFAULT INVESTMENT ALTERNATIVE or QDIA means the Targeted Maturity Funds to which the Plan may direct the assets of a Participant's account in the absence of Participant investment direction. Each Participant's account will be invested in the appropriate Targeted Maturity Fund based on the Participant's year of birth.

QUALIFIED INDIVIDUAL means any individual (Participant, alternate payee, Beneficiary) who meets one or more of the criteria described in paragraphs (1), (2), (3), or (4). Participants, alternate payees and Beneficiaries of deceased Participants can be treated as Qualified Individuals. The Plan Administrator may rely on an individual's certification that the individual satisfies a condition to be a Qualified Individual unless the Plan Administrator has actual knowledge to the contrary. In applying the criteria, "COVID-19" means either the virus SARS–CoV–2 or coronavirus disease 2019; "an approved test" means a test approved by the Centers for Disease Control and Prevention (including a test authorized under the Federal Food, Drug, and Cosmetic Act); and a "member of the individual's household" means someone who shares the individual's principal residence. The criteria are as follows:

- (1) The individual was diagnosed with COVID-19 by an approved test;
- (2) The individual's spouse or dependent (as defined in Code §152) was diagnosed with COVID-19 by an approved test;
- (3) The individual has experienced adverse financial consequences because: (a) the individual or the individual's spouse, or a member of the individual's household was quarantined, furloughed or laid off, or had work hours reduced due to COVID-19; (b) the individual, the individual's spouse, or a member of the individual's household was unable to work due to lack of childcare due to COVID-19; (c) A business owned or operated by the individual's spouse, or a member of the individual's spouse or perated by the individual's spouse, or a member of the individual's household closed or reduced hours due to COVID-19; or (d) the individual, the individual's spouse, or a member of the individual's household had a reduction in pay (or self-

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 employment income) due to COVID-19 or had a job offer rescinded or start date for a job delayed due to COVID-19; or

(4) The individual satisfies any other criteria determined by the Treasury or the IRS, including circumstances provided in IRS Notice 2020-50.

REEMPLOYMENT COMMENCEMENT DATE means the date on which a Participant is first reemployed by a Participating Employer following a Severance from Service Date.

RETIREE MEDICAL SAVINGS CONTRIBUTIONS means amounts contributed by a Participating Employer as determined under Section 4(c).

RETIREMENT means termination of Continuous Service with rights to a pension other than a deferred vested pension benefit under a retirement plan of RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace and/or a Subsidiary and/or an Affiliate, termination of Continuous Service upon or after attainment of age 55 and completion of 10 years of Continuous Service, or Normal Retirement Age.

ROLLOVER CONTRIBUTION means an eligible rollover distribution as described in Section 402(c)(4) of the Code, or a direct transfer of an eligible rollover distribution as described in Section 401(a)(31) of the Code ("Direct Rollover") which is transferred to the Plan pursuant to Section 6.

RMI means RMI Titanium Company, LLC, the sponsor of this Plan effective October 28, 2017 and a subsidiary of Howmet Aerospace.

RTI means RTI International Metals, Inc., the sponsor of this Plan prior to October 28, 2017 and a subsidiary of Howmet Aerospace. Effective October 28, 2017, sponsorship of this Plan was transferred to RMI Titanium Company, LLC in connection with the merger of RTI into Arconic (now known as Howmet Aerospace).

SAVINGS means the total amount of Pre-Tax Savings and After-Tax Savings contributed to the Plan in accordance with Section 2.

SEVERANCE FROM SERVICE DATE means the date Continuous Service terminates and is the earliest of the date the Eligible Employee quits, retires, is discharged (including Permanent Layoffs), or dies, the first anniversary of the first date he or she is absent due to a Temporary Layoff, or the second anniversary of the first date he or she is absent from work for any other reason. Notwithstanding the foregoing, an employee will not be deemed to have terminated from Continuous Service until the second anniversary of the Eligible Employee, the birth of a child of the Eligible Employee or the placement of a child with the Eligible Employee in connection with adoption proceedings, or for purposes of caring for that child for a period beginning immediately following such birth or placement. The period between the first anniversary and second anniversary of the first day of absence will not constitute Continuous Service. Severance from Service Date will also mean the date on which a participant ceases employment with RMI (or, prior to October 28, 2017, RTI) or a Subsidiary in connection with a sale of assets or interest in a Participating Employer and commences employment with the purchaser of such assets or interest, provided there is no transfer to the purchaser of Plan assets and liabilities relating to such participant.

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SUBSIDIARY means a corporation, a majority of whose voting stock is owned or controlled by Howmet Aerospace and/or one or more other Subsidiaries.

TARGETED MATURITY FUNDS means the investment vehicles that are pre-mixed funds consisting of varying asset allocations that follow an investment strategy based on a targeted retirement date. Targeted Maturity Funds are Core Funds.

TEMPORARY EMPLOYEE means a person who does not work on a regular schedule, or works less than fifty percent of the regular hours for the location where he or she is employed, or works fifty percent or more of the regular hours for the location but is hired for a specified period of time not to exceed twelve month.

TEMPORARY LAYOFF means an absence from employment due to a reduction of the work force by a Participating Employer due to lack of work, where it is intended that the Participant will not be subject to recall or the Participant has been designated as a temporary recall in the Company's human capital management system (currently, the Global People System), but where there is an expectation that the Participant may return to work within the calendar year. A Participant's Continuous Service will be terminated on the first anniversary of the first day of Temporary Layoff.

TOTAL AND PERMANENT DISABILITY means disability by injury or disease which, on the basis of medical evidence satisfactory to a medical doctor chosen by the Benefits Management Committee, prevents the employee from engaging in any employment with RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate suitable to his or her training and experience and that will be permanent and continuous during the remainder of the employee's life, and the employee is not otherwise employed by RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate.

TRUSTEE means the Trustee or Trustees appointed by the Board or its delegate, including but not limited to the Benefits Investments Committee in accordance with the provisions of Section 17.

U.S. means the United States of America.

YEAR OF CONTINUOUS SERVICE means a twelve calendar month period of Continuous Service.

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GENERAL PROVISIONS

SECTION 1. PARTICIPATION

An Eligible Employee participates in the Plan:

(a) by submitting an application or request for participation that is Properly Received, or by receiving Discretionary Contributions or Participating Employer Contributions; or

(b) by being Automatically Enrolled sixty (60) days following Employment Commencement Date or Reemployment Commencement Date, or after an employee employed on a temporary basis becomes an Eligible Employee.

SECTION 2. EMPLOYEE SAVINGS

(a) An Eligible Employee may elect to pay into the Plan through Payroll Deductions properly authorized by such employee, a whole percentage of his or her Eligible Compensation in Pre-Tax Savings in an amount equal to one through twenty-five percent (25%), and After-Tax Savings equal to one through ten percent (10%), the aggregate of which cannot be greater than twenty-five percent (25%).

(b) An Eligible Employee subject to Automatic Enrollment will be subject to automatic Payroll Deductions equal to three percent of Eligible Compensation for any applicable payroll period, which will be contributed to the Plan as Pre-Tax Savings. Absent the Participant's election of investment funds, such Pre-Tax Savings will be deposited into the appropriate QDIA, as described in Section 7(a).

(c) Payroll Deductions for Pre-Tax Savings made pursuant to Automatic Enrollment are subject to Automatic Pre-Tax Rate Escalation whereby, providing the Participant has participated in the Plan at least ninety days, the Participant's Pre-Tax Savings rate will be increased by one percent on each April 1 after his or her Participation Date until the Pre-Tax Savings rate attains a target rate of six percent of Eligible Compensation. A Participant may change the percentage rate in whole percentages up to the maximum permitted by the Plan or opt out of Automatic Pre-Tax Rate Escalation at any time in a manner designated by the Plan Administrator that is Properly Received.

Any Participant may elect to begin or end Automatic Pre-Tax Savings Rate Escalation at any time in a manner designated by the Plan that is Properly Received. An election to begin Automatic Pre-Tax Saving Rate Escalation shall designate a beginning Pre-Tax Savings rate, a target rate up to the maximum permitted by the Plan, and an annual rate (in whole percentages) by which the Pre-Tax rate increases until the target rate is attained.

(d) Any employee contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Pre-Tax and After-Tax Savings Accounts, as applicable, as determined by the Plan Administrator, and thereafter be treated like Pre-Tax and After-Tax Savings with respect to withdrawals, loans, and investment options under the Plan. Any protected optional form of benefits provided under said qualified defined contribution plan will be maintained under the Plan.

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(f) To the extent vested, all Participating Employer Contributions, Discretionary Contributions and Retiree Medical Savings Contributions are irrevocable, except that any such contribution which was made by a mistake of fact or conditioned upon qualification of the Plan or any amendment thereof under Section 401 of the Code or upon the deductibility of the contribution under Section 404 of the Code, will be returned to the Participating Employer within one year after the payment of the contribution made by mistake, the denial of the qualification or the disallowance of the deduction (to the extent disallowed), whichever is applicable.

(g) A Participant may change his or her election for Payroll Deductions, effective for the first full Payroll Period following the date that such request is Properly Received.

(h) A Participant may direct that Payroll Deductions for Savings be discontinued beginning with the first full Payroll Period following the date that such direction is Properly Received. A Participant may direct that such deductions be resumed beginning with the first full Payroll Period following the date that such direction is Properly Received, except as provided in the definition of Financial Hardship.

(i) Payroll Deductions are paid to the Trustee as soon as practicable, but no later than the period prescribed by the Department of Labor for depositing contributions.

(j) Additional limitations on Savings, Participating Employer Contributions and Discretionary Contributions are provided in Appendices A, B and C. Notwithstanding the foregoing, in the event it is determined by the Benefits Management Committee or its Designee that for any particular month the maximum percentage of Eligible Compensation which a Participant may elect to pay into the Plan as Pre-Tax Savings must be reduced so as to prevent the actual percentage of Pre-Tax Savings for Participants who are Highly Compensated Employees from exceeding the elected percentage of Pre-Tax Savings for said lother Participants, pursuant to the limitations in the Appendices, the maximum percentage of Pre-Tax Savings for said Highly Compensated Employees may be reduced, for any particular Month to the extent deemed necessary by the Benefits Management Committee or its designee. The said Participants' previously elected percentage of After-Tax Savings will not be affected in any manner by a reduction of the maximum percentage of Pre-Tax Savings in accordance with the foregoing.

(k) An Eligible Employee who meets the requirements listed below may make an election for a Plan Year to defer extra Pre-Tax Catch-Up Contributions in an amount that equals an annual maximum amount of six thousand five-hundred dollars (\$6,500), or such other amount adjusted for cost-of-living increases as may be provided by the Secretary of the Treasury pursuant to Section 414(v)(2)(C) of the Code. Eligible Employees who meet the requirements are individuals who i) have attained 50 or will attain age 50 during the applicable taxable year, ii) are contributing no less than six percent (6%) of Eligible Compensation in Pre-Tax Savings; and iii) have submitted an election to make Pre-Tax Catch-Up Contributions for applicable Plan Year.

In the case where a Participant is awarded back wages pursuant to a settlement or arbitration agreement by which the Participant is to be "made whole," in the case of an individual who is eligible to make Pre-Tax Catch-Up Contributions, the Participant may defer any portion of the awarded back wages up to the annual maximum amount of the

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Pre-Tax Catch-Up Contribution for the current Plan Year, provided an election to defer such amount is submitted prior to the date payment of the awarded back wages is made.

(I) In the case where a Participant is awarded back wages pursuant to a settlement or arbitration agreement by which the Participant is to be "made whole" with respect to such award, the Participant must contribute Pre-Tax Savings attributable to the back wages or portion of back wages awarded pertaining to the current Plan Year only ("Corrective Contributions"). The Corrective Contributions will be based on the percentage of Compensation for Pre-Tax Savings designated by the Participant in an election in effect, or defaulted to pursuant to section 2(b) and 2(c), on the date of the Participant's termination that preceded the period for which the award has been granted. Notwithstanding the foregoing, contributions of Corrective Contributions may not cause the Participant's Eligible Compensation to exceed the limitation on compensation imposed by Section 401(a)(17) of the Code, or the limitations described in Appendices A or B.

(m) A Participant who's compensation is suspended due to an absence from employment due to military leave protected by Uniformed Services Employment and Reemployment Rights Act of 1994 ("USERRA"), may upon his or her return to employment contribute "make up" Pre-Tax Contributions equal to the amount he or she would have contributed except for the absence based upon the Participant's election on file. Such make up contributions must be paid to the Plan during a period that does not exceed the lesser of three (3) times the length of time of the military leave or five (5) years, commencing from the date employment is resumed.

(n) All employee savings and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and not subject to divestment.

SECTION 3. PARTICIPATING EMPLOYER CONTRIBUTIONS (MATCH)

(a) Participating Employer Contributions will be allocated under the Plan to the account of those Participants for whom Pre-Tax Savings are paid into the Plan for such Payroll Period in accordance with Section 2, where the applicable Bargaining Agreement provides. The contributions will be the specific amount for each dollar of the Participant's Eligible Compensation he or she contributes to the Plan as Pre-Tax Savings up to six percent of the Participant's Eligible Compensation. Schedule B-1 provides a list of Participating Employers and Participating Employer Contributions. Participating Employer Contributions will be allocated to the account of Participants to whom Corrective Contributions have been made for the current Plan Year as described in Section 2(1) above.

(b) The amount of all such Contributions are contributed on a Payroll Period basis by the Participating Employer out of current income or accumulated earnings. All Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

(c) All employer contributions which have been contributed to a Participant's account under a qualified defined contribution plan of a Participating Employer which has been merged with this Plan, are credited to the Participant as Participating Employer Contributions and thereafter are treated like Participating Employer Contributions with respect to withdrawals, loans, and investment options under the Plan. Any protected

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optional form of benefits provided under said merged qualified defined contribution plan will be maintained under the Plan.

SECTION 4. DISCRETIONARY CONTRIBUTIONS AND RETIREE MEDICAL SAVINGS CONTRIBUTIONS

(a) A Participating Employer may contribute under the Plan to the account of those Eligible Employees a Discretionary Contribution in an amount determined in accordance with an applicable Bargaining Agreement and as set forth in <u>Schedule B-2</u>. Discretionary Contributions will be allocated to Eligible Employees based on either uniform dollar amounts or whole or partial percentages of Eligible Compensation. The Discretionary Contribution will be paid to the Trustee no later than the date fixed by law for the filing of the Participating Employer's federal income tax return for the year for which the contribution is made, including any extensions of time granted by the Internal Revenue Service for filing the return. The Participating Employer may direct, but is not obligated to direct, the Trustee to promptly invest such amount in the Howmet Aerospace Stock Fund; otherwise, Discretionary Contributions will be invested in accordance with the provisions of Section 7(b).

(b) An Eligible Employee who incurs an absence due to military leave protected by USERRA and eligible to receive Discretionary Contributions or Retiree Medical Contributions will receive those contributions based on the Eligible Compensation or applicable hours that would have been received had the individual remained actively employed during the period of military leave.

(c) Participants covered by the 2019 collective bargaining agreement between the Company and the United Steelworkers bargaining units (Union Codes 9BH and 9WH) at the Niles, Ohio location (Location Code NIL) of RMI Titanium Company, LLC (Company Code 905) ("2019 Niles Agreement") who meet the eligibility requirements described below will receive Retiree Medical Savings Contributions to their accounts in an amount equal to \$0.35 per hour worked on the effective date specified below. For purposes of determining Retiree Medical Savings Contributions, hours will be deemed credited with respect to any back pay awards and military leave, but will not include hours not worked, such as but not limited to, hours credited for vacation, holiday, jury or witness pay. Retiree Medical Savings Contributions will be contributed on a payroll basis and the Participant will not be required to be employed on the last day of the Plan Year as a condition to receive the contributions. Contributions will be paid to the Trustee within the period of time specified by law. Retiree Medical Savings Contributions are not subject to withdrawals, distributions prior to termination of employment, or loans. Retiree Medical Savings Contributions will be deposited in the appropriate QDIA, but may be transferred by the Participant from the QDIA to any elected Core Fund at any time.

Participants eligible for Retiree Medical Savings Contributions are Eligible Employees employed at the 2019 Niles Agreement locations described in the Retiree Medical Savings Contributions table in Schedule B-3 who i) have completed one year of Continuous Service, and ii) have an Employment Commencement Date occurring or are rehired on or after July 25, 2019, regardless of the duration of the period the individual was separated from employment.

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SECTION 5. VESTING OF PARTICIPATING EMPLOYER CONTRIBUTIONS, RETIREE MEDICAL CONTRIBUTIONS AND DISCRETIONARY CONTRIBUTIONS

All Prior to a Participant's accrual of three (3) Years of Continuous Service, Participating Employer Contributions and Discretionary Contributions shall become vested in accordance with the following schedule:

Years of Continuous Service	Percent Vested
1	33%
2	67%
3	100%

Participating Employer Contributions and Discretionary Contributions that are not vested are subject to forfeiture when the Participant incurs a Severance from Service Date. Any and all such forfeitures may be used to offset future Plan administrative expenses or future Participating Employer Contributions and Discretionary Contributions, in the discretion of the Committee. Notwithstanding the foregoing, if a Participant who has less than three (3) Years of Continuous Service and either of the following circumstances occurs, the Participant's entire account balance will become 100% vested:

- (A) the Participant dies;
- (B) The Participant reaches Normal Retirement Age; or
- (C) the Participant becomes "Disabled." For purposes of this Section 5, a Participant is Disabled if the Participant satisfies either of the following criteria:
 - (i) The Participant is eligible for disability benefits under the currently-effective long-term disability program of RMI (or, prior to October 28, 2017, RTI) or Howmet Aerospace;
 - (ii) The Participant receives Social Security Disability Income (SSDI) benefits and provides the SSDI award letter to the Plan Administrator; or
 - (iii) The Participant is determined to be disabled by a physical selected by the Plan Administrator, in its sole discretion.

All Participant Retiree Medical Savings Contributions and for Participants with three (3) or more Years of Continuous Service, all Participating Employer Contributions and Discretionary Contributions and any investment earnings attributable thereto held in a Participant's account are nonforfeitable and are not subject to divestment.

SECTION 6. ROLLOVER CONTRIBUTIONS

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An Eligible Employee of a Participating Employer who is or may become a Participant may, unless disapproved under objective procedures established by the Benefits Management Committee, make a Rollover Contribution to the Plan. An Eligible Employee's Rollover Contribution is credited to his or her account and thereafter treated like the Participant's Pre-Tax Savings with respect to withdrawals, loans and investment options under the Plan. The Plan does not accept Roth rollovers.

A Participant who received a Coronavirus-Related Distribution (from this Plan and/or another eligible retirement plan as defined in Code §402(c)(8)(B)), at any time during the 3-year period beginning on the day after receipt of the distribution, may make one or more contributions to the Plan, as rollover contributions, in an aggregate amount not to exceed the amount of such distribution.

SECTION 7. INVESTMENTS

(a) <u>Savings</u>. Pre-Tax Savings (including Rollover Contributions), and After-Tax Savings will be invested, at the election of the Participant, in any of the Core Funds in one percent increments. Pre-Tax Savings of any Participant who is Automatically Enrolled made to the account of a Participant who has not made an investment election will be contributed to the appropriate QDIA fund, based on the Participant's date of birth.

A Participant may change his or her current investment election or transfer assets deposited by the Plan into a QDIA fund any day of the Plan Year, to be effective for the next following Payroll Period, within the limitations otherwise provided in this Plan, by directing the Plan Administrator or its Designee to make such change which direction is Properly Received.

(b) <u>Participating Employer Contributions and Discretionary Contributions</u>. All Participating Employer Contributions will be invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA). Discretionary Contributions may be invested in the Howmet Aerospace Stock Fund if directed by the Participating Employer, subject to Section 8, or otherwise invested in the same Core Funds elected by the Participant for his or her current Savings (or if none, then in the QDIA).

(c) <u>Brokerage Account</u>. A portion of Pre-Tax or After Tax Savings, Participating Employer Contributions, or Discretionary Contributions subject to transfer as provided in Section 8, or any other amounts invested in the Core Funds may be transferred in amounts of one thousand dollars (\$1,000) or more and reallocated to a Brokerage Account, a self-directed brokerage account that allows a Participant to select and personally manage investment options not otherwise available under the Plan, in accordance with the provisions of Section 15. Any amounts to be withdrawn, loaned or distributed from a Brokerage Account must be first transferred back to the Core Funds, as described in Section 15(h).

(d) <u>Automatic Rebalancing of Investments</u>. A Participant may elect to have his or her account balance automatically rebalanced, or readjusted, at ninety-day intervals, to equal the percentage(s) directed by the Participant for investing such account balance in any Core Fund(s). The Participant may cancel Automatic Rebalancing at any time in a manner designated by the Plan Administrator that is Properly Received.

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SECTION 8. TRANSFERS BETWEEN INVESTMENTS

(a) <u>Transfer of Savings, Participating Employer, and Discretionary Contributions</u>. A Participant may elect to transfer in whole percentage increments all or part of the Current Market Value of his or her Pre-Tax Savings, After Tax Savings, Participating Employer Contributions or Discretionary Contributions subject to the following:

(1) Transfers from any one or more Core Funds to the Brokerage Account may be made in amounts of one thousand dollars (\$1,000) or more;

- (2) Transfers may be made on a daily basis;
- (3) Investment Fund transfers do not constitute a change in the Participant's current investment election; and

(4) Transfer provisions may be subject to restrictions imposed by mutual fund companies underlying the Core Funds.

(b) <u>Effective Date of Transfer</u>. The effective date of any transfer will be the date for which the appropriate direction to the Plan Administrator or its Designee has been Properly Received.

(c) <u>Value of Transfer</u>. The Current Market Value of Savings, Participating Employer Contributions, and Discretionary Contributions to be transferred into or out of an Investment Fund are determined in accordance with the value of the Investment Fund at the close of business of the Business Day on the Effective Date.

SECTION 9. WITHDRAWALS DURING EMPLOYMENT

Notwithstanding anything to the contrary herein, any and all withdrawals during employment are subject to a \$250.00 minimum. Withdrawals are not permitted prior to the termination of the Participant's Continuous Service, except for the following:

- (1) Upon attainment by the Participant of age 59 ½ from all accounts (subject to the exclusion for Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balances, below);
- (2) Prior to the attainment by the Participant of age 59 ½ from Employer Contributions that are 100% vested and Discretionary Contributions that are 100% vested;

(3) At any time, upon a determination by the Plan Administrator or Designee that the Participant has suffered a Financial Hardship with respect to Pre-Tax Savings (and, effective January 1, 2019, investment earnings attributable thereto); or

(4) Upon a determination by the Plan Administrator or Designee that the individual qualifies as a Qualified Individual, the Qualified Individual may take one or more Coronavirus-Related Distributions. For this purpose, a Coronavirus-Related Distribution means a distribution to a Qualified

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Individual during the period beginning May 8, 2020 and ending December 30, 2020. The total amount of Coronavirus-Related Distributions to a Qualified Individual pursuant to this subsection (3) from all plans maintained by the Employer, or any related employer described in Code §414(b), (c), (m), or (o), shall not exceed \$100,000. Only one Coronavirus-Related Distribution can be requested per month and must be at least \$250. For Qualified Individuals who are at least age 59½, Coronavirus-Related Distributions can be taken with respect to all Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contribution, Discretionary Contributions, Restricted Discretionary Contributions, Employer Retirement Income Contribution, Legacy RTI Plan Balances, Rollover Contributions and any investment earnings attributable thereto held in a Participant's account. For Qualified Individuals under age 59½, Coronavirus-Related Distributions, Participating Employer Contributions can be taken only with respect to Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contributions can be taken only with respect to Pre-Tax and After-Tax Savings, Pre-Tax Catch-Up Contributions, Participating Employer Contributions are made on or after January 1, 2011 pursuant to the terms of the collective bargaining agreement), Discretionary Contributions, Rollover Contributions and any investment earnings attributable thereto held in a Participant's account.

A Participant may withdraw the Current Market Value of After-Tax Savings at any time (subject to a \$250.00 minimum). No portion of a Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balance (defined in <u>Schedule C</u>) shall be available for withdrawals during employment under any circumstances.

SECTION 10. DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

(a) A Participant whose Continuous Service terminates is eligible to receive as a distribution the Current Market Value of all Savings, vested Participating Employer Contributions, and vested Discretionary Contributions made to the Participant's accounts. In the event a Participant who has terminated employment received a total distribution of the Current Market Value of his or her account under the Plan has a Reemployment Commencement Date, he or she will not be permitted to repay the distributed amount other than as a Rollover Contribution from an eligible retirement plan described in Sections 402(c) (4) and 401(a) (31) of the Code, as provided in Section 6.

(b) Direct Rollovers.

(i) Notwithstanding any provision of the Plan to the contrary that would otherwise limit a distributee's election under this subsection, a distributee may elect, at the time and in the manner prescribed by the Plan Administrator, and to have any portion of an eligible rollover distribution paid directly to an eligible retirement plan specified by the distributee in a direct rollover.

(ii) Definitions:

(1) Eligible rollover distribution: An eligible rollover distribution means any distribution to an employee of all or any portion of the balance to the credit of the employee in the Plan, and as otherwise described in this subsection (1). An eligible rollover distribution does not include any distribution that is one of a series of

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021 substantially equal periodic payments (not less frequently than annually) made for the life (or life expectancy) of the distributee or the joint lives (or joint life expectancies) of the distributee's designated beneficiary, or for a specified period of ten years or more; any distribution to the extent such distribution is required under Section 401(a)(9) of the Code; and any amount distributed on account of hardship.

(2) Eligible retirement plan: An eligible retirement plan is an individual retirement account or individual retirement annuity described in Sections 408(a) and 408(b) of the Code, a qualified trust described in Section 401(a) of the Code that accepts the distributee's eligible rollover distribution, an annuity plan or contract described in Sections 403(a) and 403(b) of the Code, or an eligible plan under Section 457(b) of the Code that is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state that agrees to separately account for amounts transferred into such plan from this Plan. The definition of eligible retirement plan will also apply in the case of a distribution to a surviving spouse of a Participant, or spouse or former spouse who is the alternate payee under a qualified domestic relations order as defined in Section 414(p) of the Code. With respect to an eligible rollover distribution to a Participant's nonspouse Beneficiary, an eligible retirement plan is an individual retirement account or annuity described in Sections 408(a) and 408(b) of the Code established for the purpose of receiving such distribution, and identifying the deceased Participant and Beneficiary.

(3) Distributee: A distributee includes an employee or former employee. In addition, the employee's or former employee's spouse or former spouse who is an alternate payee under a qualified domestic relations order, as defined in Section 414(p) of the Code, are distributees with regard to the interest of the spouse or former spouse. A distributee includes the employee's or former employee's nonspouse Beneficiary.

(4) Direct Rollover: A direct rollover is a payment by the Plan to the eligible retirement plan specified by the distributee.

SECTION 11. PAYMENT OF DISTRIBUTIONS UPON TERMINATION OF EMPLOYMENT

(a) Subject to the following provisions of this Section, payment to a Participant or Beneficiary of the Current Market Value of all Savings, vested Participating Employer Contributions and vested Discretionary Contributions in the Participant's account from any Investment Fund, other than the Howmet Aerospace Stock Fund, upon the Participant's termination of Continuous Service is made in cash. All amounts held in the Howmet Aerospace Stock Fund at the time of the Participant's termination of Continuous Service are paid in cash or Company Stock. Such payment will be made in accordance with the following rules:

(i) If the Current Market Value of all of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than one thousand dollars (\$1,000), then a total distribution of all of the Participant's vested account balances will be made to the Participant at a time determined by the Plan. The value of any delisted stock that is no longer publicly traded but that is held in the Participant's Brokerage Account

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shall not be considered for purposes of the preceding valuation. Any such delisted stock shall be distributed in-kind where the value of the Participant's vested account balances (not including Rollover Contributions) in all qualified defined contribution plans of Howmet Aerospace, the Subsidiaries and Affiliates is less than one thousand dollars (\$1,000), in a direct rollover to an individual retirement account designated by the Benefits Management Committee. Upon such distribution of de-listed stock, the amounts distributed will be reported for income tax purposes using reasonable methods available at such time and determined by the Plan.

(ii) If the Current Market Value of all of the Participant's vested account balances in all defined contribution plans of Howmet Aerospace, its Subsidiaries and Affiliates exceeds one thousand dollars (\$1,000), the distribution is made upon the consent of the Participant, or surviving spouse if applicable, and if no consent is given and no claim for benefits has been made, such distribution is made in total upon his or her attainment of age 69. Prior to the distribution of the total Current Market Value of the Participant's total account balance, the Participant, or the Beneficiary in the case of a Participant who dies with an account balance in the Plan, may request four partial distributions (subject to a \$250.00 minimum) during each Plan Year in which the account balance is maintained in the Plan. Notwithstanding the foregoing, in the event that a claim for benefits is made, a distribution is made no later than the 60th day after the latest of the last day of the Plan Year in which occurs: (1) the date on which the Participant attains age 65, (2) occurs the tenth anniversary of the year in which the Participant commenced participation in the Plan, or (3) the Participant terminates his or her service with the Participating Employer.

(iii) If a distribution is one to which Sections 401(a)(11) and 417 of the Code do not apply, such distribution may commence less than 30 days after the notice required under Section 1.411(a)-11(c) of the Income Tax Regulations is given, provided that:

- a. the Plan Administrator clearly informs the Participant that the Participant has a right to a period of at least 30 days after receiving the notice to consider the decision of whether or not to elect a distribution (and, if applicable a particular distribution option), and
- b. the Participant, after receiving the notice, affirmatively elects a distribution.

(iv) If the Participant dies with an account balance in the Plan, the entire interest of the Participant will be distributed not later than 5 years after the death of the Participant.

(b) Upon any distribution of Company Stock from the Howmet Aerospace Stock Fund, the Trustee delivers to the recipient a certificate representing the number of whole shares of Company Stock being distributed and cash equal to the Current Market Value on the Effective Date of distribution of any fractional interest in a share being distributed. With respect to any shares of Company Stock which are to be sold for the account of the recipient, the Trustee may, at its option (1) purchase such shares for Plan purposes at the Current Market Value on the Effective Date of distribution, or (2) sell such shares on the open market for the account of the recipient.

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(c) Notwithstanding the foregoing provisions of this Section, distribution of a Participant's account balance (in accordance with Section 12(b)) commences the April 1 of the calendar year next following the later of i) the calendar year in which the Participant attains age 72 years or ii) the calendar year in which the Participant incurs a Severance from Service Date. Notwithstanding the foregoing, for periods before January 1, 2020, distribution of a Participant's account balanced commenced the April 1 next following the later of (i) calendar year in which the Participant attained age 72 or the calendar year in which the Participant incurs a Severance from Service Date.

(d) Notwithstanding the foregoing, if a Participant is reemployed by a Participating Employer, then distribution of his or her account balances other than minimum required distributions under Section 401(a)(9) of the Code, if any, payable to him or her during the period of his or her reemployment is suspended until his or her subsequent termination from employment. Upon his or her subsequent termination from employment, the Participant's account balances are paid in accordance with the foregoing provisions of this Section 12.

(e) Notwithstanding paragraphs (a) and (b) above, in the event that any qualified defined contribution plan is merged with this Plan or this Plan is the surviving plan with respect to any assets of Participants of a merging plan which are transferred to this Plan, any distribution options contained in the merging plan which are not contained in this Plan may be continued to be distribution options available to the said Participant of the merging plan for distribution of his or her account, in accordance with Section 411(d)(6) of the Code.

SECTION 12. GENERAL PROVISIONS WITH RESPECT TO WITHDRAWALS

(a) <u>Effective Date of Withdrawal</u>. The Effective Date of any withdrawal from the Plan is the Business Day such request for withdrawal is Properly Received by the Plan Administrator or its Designee.

(b) <u>**Distribution Limitations.</u>** Distribution of all amounts payable under the Plan to a Participant commences:</u>

(i) Not later than (1) the required distribution dates or (2) the required distribution date, without violating Treasury regulations, if any, over the life of the Participant or over the lives of the Participant and a Beneficiary, or over a period not extending beyond the life expectancy of the Participant and a Beneficiary.

(ii) If distribution of the Participant's interest in the Plan has begun in accordance with paragraph (i) (2) and the Participant dies before his or her entire interest is distributed, the Participant's remaining interest in the Plan will be distributed at least as rapidly as under the method of distribution stated under paragraph (i)(2) above being used on the date of the Participant's death. If the Participant dies before the distribution of his or her interest in the Plan has begun in accordance with paragraph (i)(2), the entire interest of the Participant will be distributed not later than five years after the death of the Participant.

For purposes of this paragraph (b), the "required distribution date" means the date prescribed by Treasury Regulations, as amended from time to time, which is April 1 of the calendar year following the later of i) the calendar year in which the Participant attains age

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70 1/2 or ii) the calendar year in which the Participant incurs a Severance from Service Date. Effective January 1, 2020 the "required distribution date" is April 1 of the calendar year following the later of (i) the calendar year in which the Participant attains age 72 or (ii) the calendar year in which the Participants incurs a Severance from Service Date.

For the purposes of this paragraph (b), any amount paid to a minor child is treated as if it had been paid to the surviving spouse if such amount will become payable to the surviving spouse upon such child reaching majority or any other designated event as may be permitted by Treasury Regulations, if any.

(c) Appendix D, Minimum Distribution Requirements, provides Plan provisions to comply with Section 401(a)(9) of the Code and Treasury Regulations §1.401(a)(9)-2 through -9, as applicable, relating to required minimum distributions.

This Section 12 shall be interpreted in a manner consistent with Code § 401(a)(9) and the final Treasury Regulations issued thereunder, including the incidental death benefit requirement in Code § 401(a)(9)(G). All distributions shall be made in accordance with Code § 409(a)(9) and Treasury Regulations §§ 401(a)(9)-2 through 1.401(a)(9)-9, which shall supersede all inconsistent provisions of the Plan. All distributions made to comply with Code § 409(a)(9) will be in the form of a distribution of a Participant's entire vested account balance. For purposes of Section 401(a)(9), Required Beginning Date shall mean April 1 of the Calendar Year following the calendar year in which the Participant attains age 701/2 for five (5%) owners, within the meaning of Code §416(i), and for all other Participants, April 1 of the calendar year following the calendar year in which such Participant terminates employment with the Employer.

SECTION 13. NONASSIGNABILITY

Except as required under ERISA, no right or interest of any Participant or Beneficiary in the Plan or in such Participant's accounts is (a) assignable or transferable or subject to any lien in whole or in part, either directly or by operation of law or otherwise, including, but not by way of limitation, alienation, execution, levy, garnishment, attachment, pledge, bankruptcy or in any other manner other than a transfer as a result of death or mental incompetence, or (b) liable for, or subject to, any obligation or liability of such Participant or Beneficiary. Such portions of the Savings, and Participating Employer Contributions in the account of a Participant as are payable to another in accordance with the provisions of a "qualified domestic relations order," as defined in Section 414(p) of the Code and any applicable regulations thereunder, are distributed to the party designated in and in accordance with said order. The Effective Date of withdrawal for any such distribution is the first Business Day following the Plan Administrator's determination that the said order is in compliance with Section 414(p) of the Code and any applicable regulations thereunder, and such distribution is made as soon as administratively practical thereafter. The Plan Administrator or Designee has promulgated procedures to determine whether a domestic relations order is a qualified domestic relations order. The procedures will be provided to a participant or alternate payee upon written request, or upon receipt of the domestic relations order by the Plan Administrator or Designee. An administrative fee shall be charged to process each qualified domestic relations order. The amount of any such the fee shall be determined by the Benefits Management Committee.

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SECTION 14. EXTENT OF PARTICIPANT'S RIGHTS

(a) <u>General</u>. No person has any interest in or right to any part of the assets held under the Plan or the income thereon, except as and to the extent expressly provided in the Plan.

At the time of withdrawal by a Participant or Beneficiary, he or she will receive shares or cash. There is no guarantee that the Current Market Value of any investment will be equal to or greater than the amount of the Participant's Savings therein. This Plan is designed to comply with and operate under Section 404(c) of ERISA. A Participant and his or her Beneficiaries assume all risk in connection with any decrease in the value of any investments allocated to such Participant's account. For purposes of Section 404(c)(1) of ERISA, in the absence of Participant of Beneficiary investment direction, a Participant or Beneficiary shall be treated as having exercised control over the assets invested in any investment which qualifies as a QDIA in accordance with Section 404(c)(5) of ERISA and the regulations promulgated thereunder.

The Plan does not and should not be construed as conferring any rights upon any person for a continuation of employment, nor does it interfere with the rights of Howmet Aerospace or any Subsidiary or Affiliate to terminate the employment of any person or to take any personnel action affecting such person without regard to the effect which such action might have upon such person or his or her Beneficiaries as a prospective recipient of benefits under the Plan.

(b) <u>Military Service</u>. Notwithstanding any provision of this Plan to the contrary, contributions, benefits and service credit with respect to qualified military service will be provided in accordance with Section 414(u) of the Internal Revenue Code. The Beneficiary of any Participant who dies on or after January 1, 2007, while performing "qualified military service" (as defined in Code Section 414(u)), shall be entitled to any additional benefits (other than contributions relating to the period of qualified military service, but including any other survivor benefits) that would have been provided under the Plan had the Participant resumed active employment on the day preceding the Participant's death and then incurred a Severance from Service Date on account of death. This Section is intended to comply with, and shall be interpreted to comply with, Code Section 401(a)(37).

SECTION 15. MANAGEMENT OF FUNDS

(a) <u>General</u>. Savings, Participating Employer Contributions and Discretionary Contributions paid to the Trustee are invested as provided in the Plan.

(b) <u>Trustees and Investment Managers</u>. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) has the responsibility to appoint, review the performance of, and remove where deemed appropriate, one or more Trustees, and one or more investment managers, each of which is a bank, insurance company or other investment adviser qualified under Section 3(38) of ERISA. The duties of each Trustee and manager, to the extent not set forth in the Plan, are set forth in a trust agreement or other written documents approved by the Board or its designee. Except as otherwise provided in such documents or in the Plan, each such investment manager has sole investment control and management responsibility with respect to those assets of the Plan

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for which it is designated the investment manager. The Board may delegate its authority to appoint an investment manager, to remove an investment manager, to approve and direct the execution by the proper officer or officers of Howmet Aerospace or RMI (or, prior to October 28, 2017, RTI) of amendments to agreements with any investment manager, and to review the performance of any such managers. Such delegation also includes the authority to approve written documents setting forth the duties of any manager and to direct the execution of investment management agreements by the proper officer or officers of Howmet Aerospace or RMI (or, prior to October 28, 2017, RTI). No Trustee has any investment responsibility for any assets which are subject to the investment control of another investment manager, and as to such assets it only has custodial duties if it is the custodian.

(c) <u>Designation of Investment Strategy</u>. The Board may from time to time designate, as to part or all of the assets of the Plan, that a separate fund or funds be established. Except as otherwise provided in the Plan, as to each such separate fund the Board or its designee may specify the investment strategy to be employed and the investment manager is thereupon relieved of responsibility for assuring that the specified investment strategy creates suitable diversification of the overall assets of the Plan, provided that such investment manager has followed such specifications.

(d) (1) <u>Acquisition of Fixed Income Investments by the Trustee</u>. The Trustee will enter into investment arrangements with insurance companies, banks or money managers, as directed by an investment manager duly appointed by the Board or its designee for the Fixed Income Fund. The Trustee will invest all Savings and other amounts to be invested in the Fixed Income Fund in accordance with such directions.

(2) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Fixed Income Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Fixed Income Fund as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(e) (1) <u>Acquisition of Company Stock by Trustee</u>. The Savings, Participating Employer Contributions, and Discretionary Contributions to be invested in the Howmet Aerospace Stock Fund are used by the Trustee to purchase from time to time shares of Company Stock (i) from Howmet Aerospace, at the Current Market Value thereof, or (ii) to the extent Howmet Aerospace does make shares available for purchase by the Trustee for such purpose, on the open market unless Howmet Aerospace otherwise directs, or (iii) by the exercise of warrants or rights as provided in this Section. The Trustee, to the extent reasonable, invests any cash held in the fund in cash equivalents (including commercial paper). The Trustee also holds for the purpose of allocation to the accounts of individual Participants as hereinafter provided (i) shares of such stock which the Trustee has acquired upon withdrawal by a Participant, and (ii) shares of such stock which the Trustee has acquired pursuant to Participants' elections to transfer investments under the provisions of Section 8. All shares of such stock purchased by the Trustee are carried in the accounts of the Trustee at the actual cost thereof, including any taxes, commissions, etc. which are not paid by the Participating Employer, incident to the

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purchase except that shares acquired upon the exercise of warrants or rights are carried at the Current Market Value of such shares on the date of such exercise.

(2) <u>Allocation of Stock to Participants' Accounts</u>. Participants' investments in the Howmet Aerospace Stock Fund are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in the Howmet Aerospace Stock Fund as may be acquired with funds (if any) in such Participants' accounts to be invested therein. Such allocations are made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(3) <u>Allocation of Dividends to Participants' Accounts</u>. In valuing the units, dividends are accounted for on the date the Board declares the dividend. Once received, dividends are invested in the Howmet Aerospace Stock Fund. A Participant may elect to receive an annual distribution of the dividends posted to their account during the Plan Year. Such election must be made prior to the last dividend record date in the Plan Year, and distribution will be made as soon as administratively practical following the date the final dividends are posted to the Participant's account. Distribution will be paid in a lump sum from the Howmet Aerospace Stock Fund. To the extent the Participant's account balance in the Howmet Aerospace Stock Fund is insufficient to pay the dividends, the balance of the distribution will be paid pro-rata from the Participant's other Core Fund investments.

(4) Reserved.

(5) <u>Stock Splits & Dividends</u>. Shares of Company Stock received by the Trustee by reason of a stock split or stock dividend become part of the Howmet Aerospace Stock Fund.

(6) <u>Voting</u>. The Trustee exercises its voting rights in accordance with written directions of each Participant with respect to at least the number of whole shares of Company Stock held by it in the Participants' accounts on the record date for voting. With respect to all other shares of Company Stock held by the Trustee on the record date for voting (the "Other Shares"), including but not limited to, (i) fractional shares in the Participants' accounts (if they are not subject to direct voting), (ii) shares for which it has not received written directions from any Participant, and (iii) any shares which have not yet been allocated to Participants' accounts, the Trustee exercises its voting rights in the same proportion (for, against, abstain and so on) on each matter as it exercises its voting rights with respect to shares of Company Stock for which voting directions were received from all participants in all plans which participate in the Howmet Aerospace Stock Fund.

(7) <u>Separation of Alcoa Inc. and Creation of Arconic and Alcoa Corporation Stock Funds</u>. Effective November 1, 2016, Alcoa Inc. separated into two separate publicly traded companies. Alcoa Inc. was renamed Arconic Inc. and began trading under the ticker symbol ARNC. Alcoa Corporation was spun off from Arconic Inc. and began trading under the ticker symbol AA. This corporate action resulted in two separate stock funds under the Plan: the Arconic Stock Fund (which is an ESOP invested primarily in employer securities) and the Alcoa Corporation Stock Fund (a non-employer stock fund). The Alcoa Corporation Stock Fund was permitted as an investment option under the Plan only for approximately one (1) year after November 1, 2016, and was a frozen fund. No new investments or purchases may be made in the Alcoa Corporation

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Stock Fund, however, transfers out of the fund were permitted. Notwithstanding the foregoing, all dividends under the Alcoa Corporation Stock Fund were reinvested in the Alcoa Corporation Stock Fund until its liquidation. The final liquidation date was determined by the Committee in its sole and absolute discretion. Nothing herein shall be interpreted to prevent a Participant from acquiring Alcoa Corporation stock under the Brokerage Account.

(8) <u>Separation of Arconic Inc. and Creation of Howmet Aerospace Inc. and Arconic Corporation Stock</u> <u>Funds</u>. Effective April 1, 2020, Arconic Inc. separated into two separate publicly traded companies. Arconic Inc. was renamed Howmet Aerospace Inc. and began trading under the ticker symbol HMW. Arconic Corporation was spun off from Arconic Inc. and began trading under the ticker symbol ARNC. This corporate action resulted in two separate stock funds under the Plan: the Howmet Aerospace Stock Fund (which is an ESOP invested primarily in employer securities) and the Arconic Corporation Stock Fund (a non-employer stock fund).

The Arconic Corporation Stock Fund shall be permitted as an investment option under the Plan only for approximately one (1) year after April 1, 2020. The final liquidation date will be determined by the Benefits Investments Committee in its sole and absolute discretion. Transfers from the Arconic Corporation Stock Fund can be made pursuant to Section 8. No new investments, transfers to, or purchases may be made in the Arconic Corporation Stock Fund on or after April 1, 2020. Notwithstanding the foregoing, all dividends under the Arconic Corporation Stock Fund shall be reinvested in the Arconic Corporation Stock Fund until its liquidation. Nothing herein shall be interpreted to prevent a Participant from acquiring Arconic Corporation stock under the Brokerage Account.

(f) (1) <u>Acquisition of Other Investments by Trustee</u>. Howmet Aerospace has and in the future will enter into investment arrangements with various investment managers. Any such arrangements must be approved by the Benefits Investments Committee. Expenses incurred in connection with the purchase or sale of securities by the investment manager are paid from the applicable Investment Fund.

(2) <u>Accounting for Participant's Accounts</u>. Participants' investments in the Core Funds are accounted for on a unit basis. The Trustee allocates to the accounts of each Participant such units in each of the Core Funds as may be acquired with funds (if any) in such Participant's accounts to be invested therein. Such allocations will be made in a uniform manner as determined by the Benefits Investments Committee. Transfers and withdrawals are valued based on the Current Market Value per unit on the Effective Date of the transfer or withdrawal.

(g) <u>Transition Provision</u>. Pending investment under an arrangement established pursuant to this Section, and pending distribution to Participants following withdrawal from such an arrangement, cash is invested by the Trustee in short-term fixed income securities or cash equivalents (including commercial paper) and the value of such securities or cash equivalents is allocated to the accounts of Participants in an equitable manner determined by the Benefits Investments Committee.

(h) <u>Brokerage Account</u>. Participants have the right to invest and personally manage investments outside of the Core Funds by investing through the Brokerage Account offered by a broker selected by the Plan ("Broker"). Investment options through the Brokerage Account are mutual funds (other than those already available as Core

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Funds), any taxable equity or fixed income security publicly traded in a U.S. security market (including American Depository Receipts), and money market funds. Pre-Tax Savings, After-Tax Savings, Rollover Contributions, Participating Employer Contributions, and Discretionary Contributions that are subject to transfer as provided in Section 8, may not be directly invested in the Brokerage Account, nor may withdrawals, distributions or loans be made directly from the Brokerage Account. Such transactions must be processed through the Core Funds. An administrative fee shall be charged to each Participant who maintains a balance in the Brokerage Account. The amount of any such the fee shall be determined by the Benefits Management Committee.

(1) <u>Restrictions of Trading in the Brokerage Account</u>. Certain restrictions apply to investment vehicles that may be available through the Brokerage Account: Specifically, the following investments are not available through the Brokerage Account: Howmet Aerospace company stock (common or preferred) and bonds; funds currently available in the Core Funds; tax-free funds; securities of publicly traded limited partnerships; options contracts; purchase on short sales, futures, precious metals, and currencies; real estate (other than funds); annuities; life insurance policies; collectibles; commodities; foreign stocks (not American Depository Receipt); and margin trading and trade-away trades that are placed by another broker and settle with the Broker.

(2) <u>Trading within the Brokerage Account</u>. Investment purchases in the Brokerage Account may be made after such amounts are transferred from the Participant's Core Fund accounts. Transfers from Core Funds may be made as provided in Section 8. Transferred funds will be held in the Broker's money market fund until the Participant's buy orders are received by the Broker. Trades may be subject to initial and subsequent investment minimums required by a mutual fund.

Transfers are made out of the Brokerage Account and into the Core Funds from the Schwab money market fund. If there are insufficient funds to make the requested transfer, the participant must submit a sell order with Schwab. The proceeds of securities sold will be invested automatically in the Broker's money market fund and will be subsequently transferred out of the Brokerage Account to the Core Funds as directed by the Participant.

(3) <u>Expenses Incurred by Trading and Voting</u>. The Broker's standard commission schedule will be deducted from the Brokerage Account of the Participant who initiates the trades, and any other fees and expenses incurred through the Brokerage Account will be paid directly by the Participant.

The Broker will execute proxies for any securities held in the Brokerage Account in accordance with written directions of any Participant.

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OTHER PROVISIONS OF THE PLAN

SECTION 16. LOANS

(a) A Participant may borrow a proportion of the Current Market Value of his or her Savings, fully vested Participating Employer Contributions and fully vested Discretionary Contributions("Eligible Loan Account Balance"). A Participant may not borrow Retiree Medical Savings Contributions.

A Participant shall pay a \$100 processing fee, or such other amount as may be designated by the Plan Administrator, for each loan request. The fee will be included in the loan amount, subject to the limitations of this Section 17, and deducted prior to distribution of the loan. Legacy RMI (or, prior to October 28, 2017, RTI)Money Purchase Plan Balances (as defined in <u>Schedule</u>) and Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances (as defined in <u>Schedule</u>) shall not be available for Plan loans under any circumstances.

(b) A loan to a Participant, when added to the balance of any other outstanding loans the Participant has under the Plan, cannot exceed the lesser of:

(1) \$50,000 reduced to the extent of the highest outstanding loan balance of the Participant's loans outstanding during the 365-day period immediately preceding the date on which the loan is made; or

(2) 50% of the sum of the Participant's (A) Eligible Loan Account Balance, plus (B) vested Discretionary Contributions balance.

A Participant may refinance any general purpose loan for any reason at any time (but only once in a twelve-month period), as may be permitted under the Code or ERISA.

(c) Each loan to a Participant is secured by a promissory note under which the Participant pledges and grants the Trustee an interest in the Participant's Eligible Loan Account Balance to the extent of the unpaid loan.

(d) All loans to Participants are treated as investments of plan assets in their respective accounts. All principal and interest associated with a Participant's repayment of a loan are credited to his or her Plan account.

(e) The Plan Administrator has developed a procedure in accordance with the Code and ERISA under which such loans from the Plan will be made available to Participants which procedure has been approved by the Benefits Management Committee.

(f) Loan repayments will be suspended under this Plan during a period of military service as permitted under Section 414(u) (4) of the Internal Revenue Code and the regulations promulgated under Section 72(p) of the Code. Upon the Participant's return to active employment, loan repayments will resume and the period of repayment extended in direct proportion of the Participant's period of absence for military leave.

(g) If a Qualified Individual has an outstanding loan from the Plan on or after May 8, 2020, then: (1) if the date for any repayment of such loan occurs during the Suspension Period, the due date is extended for the Extension Period; (2) the due date of

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the loan will be extended by the Extension Period; (3) the Plan will adjust any subsequent repayments to reflect the extension of the due date and any interest accrued during the Suspension Period; and (4) the Plan will disregard the Extension Period in determining the 5-year period and the loan term under Code §72(p)(2)(B) or (C). The Suspension Period will begin May 8, 2020 and end December 31, 2020. The Extension Period, will be one year. The provisions of this Section 17(g) will be applied in accordance with Section 5.B. of Notice 2020-50, or any subsequent applicable guidance, and the adjustment described in (3) may reflect the "safe harbor" described therein.

SECTION 17. TRUST

All assets of the Plan are held in trust for the Plan, except as otherwise permitted by applicable law. Howmet Aerospace has entered into a trust agreement with a national banking association which acts as Trustee under the Plan. The Board or its designee (including but not limited to the Benefits Investments Committee when acting in accordance with the charter of the Benefits Investments Committee) may, from time to time, amend such trust agreement (subject to its terms), remove such Trustee or any Successor Trustee and upon removal or resignation of a Trustee, appoint a Successor Trustee.

SECTION 18. ADMINISTRATION

(a) <u>Duties of Plan Administrator</u>. The Plan Administrator or its Designee are responsible for the preparation and the filing with governmental agencies and furnishing to Participants and Beneficiaries of all summaries, descriptions, annual and other reports, notices and other documents, and information which are required to be so prepared and filed or furnished under ERISA or the Code, retain appropriate records, and also have all of the other responsibilities and duties of the administrator of the Plan as set forth in ERISA, except as otherwise provided in the Plan. Each Participating Employer by whom a Participant is employed furnishes to the Plan Administrator or its Designee any records required for the foregoing.

(b) <u>The Benefits Management Committee</u>. Except as provided in Section 15 and in paragraph (a) of this Section, or to the extent that such powers are granted to the Benefits Investments Committee in the Plan or the charter of the Benefits Investments Committee, the complete authority to control and manage the operation and administration of the Plan is placed in the Benefits Management Committee, which consists of one or more persons appointed from time to time by the Board.

(c) <u>Duties of Benefits Management Committee</u>. Subject to the limitations of the Plan, the Benefits Management Committee has the discretionary authority to: (1) construe and interpret the Plan, (2) interpret administrative forms and other information, (3) make credibility findings, and (4) establish supplemental regulations for the administration of the Plan and the transaction of its business. All actions, determinations and interpretations of the Benefits Management Committee will be performed in a uniform and nondiscriminatory manner to all Participants in similar circumstances. All interpretations of the Plan and benefits management Committee will be performed in a uniform and nondiscriminatory manner to all Participants in similar circumstances. All interpretations of the Plan and determinations of disputed questions made by the Benefits Management Committee are conclusive, final and binding upon the Participanting Employers, Participants, Beneficiaries, other employees and any other individuals claiming rights under the Plan, subject to a claimant's request under paragraph (e) of this Section to have the Benefits Management Committee review the denial of a claim. When making an

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interpretation or determination, the Benefits Management Committee is entitled to rely upon information furnished by the individual, Participant, Beneficiary or Participating Employer, unless in accordance with an appeals procedure established by the Benefits Management Committee, the claimant establishes to the satisfaction of the Benefits Management Committee that Continuous Service, compensation or other records are erroneous.

(d) <u>Application for Benefits</u>. Each person applying for a benefit under the Plan must furnish all information required under procedures approved by the Benefits Management Committee.

(e) <u>Review of Denial of Benefits</u>. If any applicant's claim for benefits under the Plan is denied, the applicant will be notified in writing of such denial. Such notice will set forth the specific reasons for such denial and will be written in a manner calculated to be understood by the applicant. The applicant will be afforded a reasonable opportunity for a full and fair review by the Benefits Management Committee or its Designee of the decision denying his or her claim for benefits, in accordance with a claims procedure which the Benefits Management Committee adopts. After the final determination of an appeal by the Benefits Management Committee or its Designee, the applicant must file any litigation arising out of the underlying facts or circumstances giving rise to such claim and appeal, under ERISA or otherwise, within one hundred eighty (180) days following the date of the final notice provided by the Benefits Management Committee or its Designee.

(f) Extent of Benefits Management Committee's and Benefits Investments Committee's Responsibility. The members of the Benefits Management Committee and Benefits Investments Committee will act in a prudent manner in the performance of their duties. No member will be personally liable by virtue of any contract, agreement, bond or other instrument made or executed by or on behalf of such member as a member of the Benefits Management Committee or Benefits Investments Committee. To the extent permitted by ERISA, no member of the Benefits Management Committee or Benefits Investments Committee will be liable for any mistake of judgment made by himself or herself or any other member, nor for any loss, unless resulting from his or her own gross negligence or willful misconduct, and no member will be liable for the neglect, omissions or wrongdoing of any other member thereof, or of the agents or counsel of the Benefits Management Committee or Benefits Investments Committee, as the case may be. To the extent permitted by law, RMI (or, prior to October 28, 2017, RTI) will indemnify and save harmless each member of the Benefits Management Committee and Benefits Investments Committee against all expenses and liabilities arising out of his or her services as such, except for expenses and liabilities arising from such member's own gross negligence or willful misconduct as determined by the Board.

(g) <u>Relationship to Other Fiduciaries</u>. Each fiduciary in carrying out its responsibilities under the Plan may rely upon any direction, information or action of another fiduciary as being proper under this Plan or the documents under which the assets of the Plan are managed, and is not required to inquire into the propriety of any such direction, information, or action. It is intended under this Plan and such documents that each fiduciary is responsible for the proper exercise of its own powers, duties, responsibilities and obligations under this Plan and such documents and is not responsible for any act or failure to act of another fiduciary, except as otherwise provided by ERISA.

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(h) <u>Multiple Fiduciaries</u>. Any person or group of persons may serve in more than one fiduciary capacity with respect to the Plan.

(i) <u>Further Allocation of Fiduciary Duties</u>. Any two or more fiduciaries named herein or appointed by the Board as provided herein may from time to time agree in writing with respect to the allocation of duties and responsibilities under the Plan, including fiduciary responsibilities, among the fiduciaries so agreeing, provided however that any reallocation of fiduciary responsibilities clearly allocated by the Plan or by the Board requires prior approval of the Board.

(j) <u>Delegation of Fiduciary Duties</u>. Any fiduciary named herein or appointed by the Board as provided herein may designate another person or persons to carry out any or all of the duties and fiduciary responsibilities which it has under the Plan and which are specified in such designation, except that no Trustee may delegate fiduciary responsibilities with respect to investment functions without the prior approval of the Board.

(k) <u>Delegation of Ministerial Duties</u>. Any fiduciary named herein, appointed by the Board as provided herein, or designated under paragraph (j) above may delegate ministerial duties as follows: employ one or more persons to render advice, including legal and accounting services, with regard to any responsibility such fiduciary has under the Plan, may appoint ministerial agents (including brokers or others who may execute investment transactions) and may delegate to others its clerical and other non-fiduciary functions.

(I) <u>No Added Remuneration for Employees</u>. No member of the Benefits Management Committee or Benefits Investments Committee and no other person who renders services to or for the Plan may receive remuneration for services as such if he or she also is an employee of RMI (or, prior to October 28, 2017, RTI), Howmet Aerospace, a Subsidiary or Affiliate.

(m) <u>Lifetime Income Disclosures</u>. Following the effective date specified in Section 105(a)(2)(D)(v) of ERISA, the Administrator shall provide a lifetime income disclosure to each Participant and designated Beneficiary annually. The lifetime income disclosure shall set forth the lifetime income stream equivalent of the total benefits accrued with respect to the Participant or Beneficiary under the Plan and shall comply with the requirements of Section 105(a)(2)(D) of ERISA and any regulations promulgated thereunder.

SECTION 19. AMENDMENT, MODIFICATION, SUSPENSION OR TERMINATION

(a) <u>Rights Reserved</u>. RMI (or, prior to October 28, 2017, RTI) reserves the right (subject to the terms of the applicable Bargaining Agreement), by action of the Board or the Benefits Management Committee taken in accordance with the Board's or Benefits Management Committee's operating procedures, (1) to amend, modify, suspend or terminate the Plan or to suspend or completely discontinue contributions to the Plan, and (2) to terminate the Participation in the Plan of any Participating Employer or any designated group of Eligible Employees employed either within or outside the U.S. Any Participating Employer may terminate its participation in the Plan or suspend or discontinue its contributions under the Plan at any time upon 30 days prior written notice

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to the Plan Administrator. Such 30 day notice requirement may be waived by the Benefits Management Committee. No such amendment or other action relating to the Plan may reduce the amounts then credited to any Participant's account, or provide or have the effect of providing that the securities and funds held in trust for the Plan or the income thereof may be used for or devoted to purposes other than the exclusive benefit of Participants and their Beneficiaries and for the payment of expenses of the Plan.

(b) <u>Sale of Assets, etc.</u> In the event any assets of any business of any Participating Employer are transferred to another entity by sale, merger, consolidation or otherwise, and the entity to which said assets are transferred has in effect, or thereupon establishes, a tax-qualified plan and related trust for the exclusive benefit of employees which qualify under the applicable provisions of the Code, all assets under the Plan, held in the accounts of Participants who continue in the employment of the transferee entity, may be transferred and paid, for their respective accounts, to the trust for the tax-qualified plan of said transferee entity, provided that any such transfer of investments will be effected in such manner as to preclude, for federal income tax purposes, a termination of the Plan or the constructive receipt of benefits thereunder with respect to said Participants.

(c) Transfer of Plan Assets.

(1) Notwithstanding the foregoing, in the event of any merger or consolidation of the Plan with, or a transfer of any of the assets and liabilities of the Plan to, any other plan, each affected Participant must (as if such plan were terminated immediately after such merger, consolidation or transfer) be entitled to a benefit under such other plan which is equal to or greater than the benefit he or she would have been entitled to receive under the Plan immediately prior to such merger, consolidation or transfer (as if the Plan had then terminated). In the event that assets are transferred to this Plan from any other plan sponsored by Howmet Aerospace or any Subsidiary or Affiliate, each Participant who has assets transferred from such plan or plans will be entitled to a benefit under this Plan immediately following such transfer that is equal to or greater than the benefit he or she had under such other plan. Any protected optional form of benefits provided under said plan will be maintained under this Plan. These provisions do not constitute a guaranty against investment losses.

(2) In the event a participant in the Howmet Aerospace Salaried Retirement Savings Plan or the Howmet Aerospace Hourly Retirement Savings Plan becomes an Eligible Employee under this Plan, all of the participant's accounts in the applicable savings plan will be transferred to analogous accounts in this Plan as soon as reasonably practical after the Plan Administrator or Designee receives notice.

(3) In the event a Participant ceases to be an Eligible Employee under this Plan and the Participant becomes an eligible employee under the Howmet Aerospace Salaried Retirement Savings Plan or the Howmet Aerospace Hourly Retirement Savings Plan, all of the Participant's accounts will be transferred to analogous accounts in the applicable Plan, as soon as reasonably practical after the Plan Administrator or Designee receives notice and the Participant ceases to be a Participant, and will be entitled to no further benefits under this Plan.

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SECTION 20. ADMINISTRATIVE EXPENSES

Except as otherwise provided in the Plan, all costs and expenses incurred in administering the Plan, including the expenses of the Benefits Management Committee or Benefits Investments Committee, the fees and expenses of the Trustee, the fees and charges payable under the investment arrangements, and other legal and administrative expenses, are paid by the Plan.

Investments in the Core Funds will be subject to an administrative expense fee, which will be used to pay the expenses of the Plan. The fee will be periodically adjusted by the Plan Administrator based on the actual expenses of the Plan.

SECTION 21. SELECTION OF BENEFICIARIES

(a) <u>Designation of Beneficiary</u>. Subject to such administrative procedures as may be adopted from time to time, the Beneficiary with respect to all of the assets in the accounts of a Participant will be the Participant's spouse if then living, or if not, the Participant's estate. With the written notarized consent of a Participant's spouse, a Participant may file with the Plan Administrator or its Designee a written designation of a Beneficiary or Beneficiaries other than his or her spouse. In the event the designation of such other Beneficiary is revoked in writing by the Participant, his or her spouse will become the Beneficiary of said assets until such time as the Participant, with his or her spouse's written notarized consent, designates in writing another Beneficiary or Beneficiaries.

In the event a Participant certifies that he or she does not have a spouse, a Beneficiary or Beneficiaries with respect to all or part of the assets in the accounts of the Participant may be designated or revoked by the sole action of the Participant.

If there is no designated Beneficiary, or if no Beneficiary is living at the time of the Participant's death, the Beneficiary is the Participant's spouse if then living, or if not, the Participant's estate.

Written designations of a primary Beneficiary or a, contingent Beneficiary to receive the assets of a Participant in the case where the primary Beneficiary is deceased, spousal consents, and revocations are made on a form or forms approved by the Plan Administrator. Any such written designation, consent or revocation become effective on the calendar day on which such designation, consent or revocation is Properly Received. After the death of a Participant, a properly designated Beneficiary may name his or her own Beneficiary to receive a distribution of the Beneficiary's account balances when the Beneficiary is deceased ("Subsequent Beneficiary"). A Subsequent Beneficiary shall receive a total distribution of the Subsequent Beneficiary or (ii) ninety (90) days after death of the Beneficiary who named such Beneficiary or (ii) five (5) years of the Participant's death.

(b) <u>Other Payments</u>. In case of incapacity of a Participant or Beneficiary entitled to a benefit under the Plan, benefit payments are made to such person's legal representative who makes claim therefore, or if no such claim has been received, to such other person or persons as the Benefits Management Committee, utilizing objective criteria, selects from among dependents, next of kin, or friends. Any payment of a benefit

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under the Plan in accordance with the provisions of this Section is a complete discharge of any liability for the payment of such benefit under the Plan.

SECTION 22. PARTICIPANT'S STATEMENT

A statement showing each Participant's interest in each of the Plan's Investment Funds will be made available at least quarterly.

SECTION 23. EFFECTIVE DATE OF PLAN

The Plan is amended and restated, effective January 1, 2021.

SECTION 24. CONSTRUCTION

It is intended that the Plan conform to the applicable requirements of ERISA and the Code, and that the Plan and related trust agreement are considered one if and to the extent necessary for compliance therewith. Except to the extent otherwise provided in ERISA and the Code, the Plan is construed, regulated and administered under the laws of the Commonwealth of Pennsylvania, including its applicable statute of limitations (as such may be superseded by any limitations period provided under the terms of the Plan).

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SCHEDULE C SPECIAL PROVISIONS RELATING TO MONEY PURCHASE PLAN BALANCES

1. The provisions of this <u>Schedule C</u> shall apply only to the account balances of Participants who transferred to this Plan (hereinafter "**Legacy** RMI (or, prior to October 28, 2017, RTI) **Participants**") from the RMI (or, prior to October 28, 2017, RTI) Bargaining Unit Employee Savings and Investment Plan (hereinafter "**Legacy** RMI (or, prior to October 28, 2017, RTI) **Plan**") effective January 1, 2017, and who have a Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balance.

2. <u>Legacy</u> RMI (or, prior to October 28, 2017, RTI) <u>Money Purchase Plan Balances</u>. "**Legacy** RMI (or, prior to October 28, 2017, RTI) **Money Purchase Plan Balance**" means the portion of a Legacy RMI (or, prior to October 28, 2017, RTI) Participant's account as of January 1, 2017 that is attributable to a money purchase plan. The following provisions shall apply to accounts with Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balances:

- (a) <u>Not Available for Plan Loans</u>. Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balances will not be available for Plan loans.
- (b) <u>Not Available for In-Service Distribution</u>. Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balances will not be available for hardship withdrawals or any other in-service distribution or withdrawal.
- (c) <u>Form of Payment</u>.
 - (i) <u>Special Definitions</u>. For purposes of this Article, the following special definitions shall apply:
 - (A) **"Annuity Starting Date**" means the first day that an amount is payable as an annuity under the Plan.
 - (B) "Qualified Joint and Survivor Annuity" means (1) if the Participant is not married on his or her Annuity Starting Date, an immediate annuity payable for the life of the Participant or (2) if the Participant is married on his Annuity Starting Date, an immediate annuity for the life of the Participant with a survivor annuity for the life of the Participant's spouse (to whom the Participant was married on the Annuity Starting Date) equal to 50 percent of the amount of the annuity which is payable during the joint lives of the Participant and such spouse, provided that the survivor annuity shall not be payable to a Participant's spouse if such spouse is not the same spouse to whom the Participant was married on his Annuity Starting Date.
 - (B) "**Qualified Optional Survivor Annuity**" means a joint and survivor annuity that the Participant, subject to the spousal consent rules described in subsection (iv) hereof, may elect

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and in which the survivor annuity portion of the annuity is equal to 75%.

- (C) "**Qualified Preretirement Survivor Annuity**" means an annuity purchased with at least 50% of a Participant's account balance that is payable for the life of a Participant's surviving spouse.
- The default form of payment for the entire account balance of all Legacy RMI (or, prior to October 28, 2017, (ii) RTI) Plan Participants with a Legacy RMI (or, prior to October 28, 2017, RTI) Money Purchase Plan Balance is a Qualified Joint and Survivor Annuity. Distribution shall be made to the Participant from his or her account in the form of a Qualified Joint and Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Joint and Survivor Annuity as provided in subsection (iii) hereof. The Participant may also elect a Qualified Optional Survivor Annuity. If the Participant dies prior to his Annuity Starting Date, distribution shall be made to the Participant's surviving spouse, if any, in the form of a Qualified Preretirement Survivor Annuity in the amount that can be purchased with such account, unless the Participant waives the Qualified Preretirement Survivor Annuity as provided in subsection (iii) hereof, or unless the Participant's surviving spouse elects in writing to receive distribution in one of the other forms of payment provided under the Plan. A Participant's account that is subject to the requirements of this subsection shall be used to purchase the Qualified Preretirement Survivor Annuity and the balance of the Participant's account that is not used to purchase the Qualified Preretirement Survivor Annuity shall be distributed to the Participant's spouse. In the event that the Participant's benefit is payable in the form of a Qualified Joint and Survivor Annuity or Qualified Optional Survivor Annuity, the following provisions shall apply:
 - (A) The Trustee shall purchase the annuity contract on behalf of a Participant or Beneficiary from an insurance company. Such annuity contract shall be nontransferable.
 - (B) The terms of the annuity contract shall comply with the requirements of the Plan and distributions under such contract shall be made in accordance with Code Section 401(a)(9) and the Treasury Regulations issued thereunder.
 - (C) The annuity contract may provide for payment over the life of the Participant and, upon the death of the Participant, may provide a survivor annuity continuing for the life of the Participant's spouse. The types of annuity contracts available for purchase are limited to the Qualified Joint and Survivor Annuity or a Qualified Preretirement Survivor Annuity.

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- (D) The annuity contract must provide for non-increasing payments.
- Waiver of the Qualified Joint and Survivor Annuity and/or Qualified Preretirement Survivor Annuity (iii) <u>Rights</u>. A Participant may waive the Qualified Joint and Survivor Annuity and elect another form of distribution permitted under the Plan at any time during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married, his or her spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive or revoke a waiver of the Qualified Joint and Survivor Annuity and elect another form of distribution permitted under the Plan at any time and any number of times during the 180-day period ending on his Annuity Starting Date; provided, however, that if the Participant is married and is electing a form of distribution other than the Qualified Joint and Survivor Annuity or the Qualified Optional Survivor Annuity, his spouse must consent in writing to such election as provided in subsection (iv) hereof. A Participant may waive the Qualified Preretirement Survivor Annuity and designate a non-spouse Beneficiary at any time during the "applicable election period"; provided, however, that the Participant's spouse must consent in writing to such election as provided in subsection (iv) hereof. The "applicable election period" begins on the later of (1) the date the Participant's account becomes subject to the requirements of this section or (2) the first day of the Plan Year in which the Participant attains age 35 or, if he terminates employment prior to such date, the date he or she terminates employment with the Employer and all Related Employers. The "applicable election period" ends on the earlier of the Participant's Annuity Starting Date or the date of the Participant's death. A Participant whose employment has not terminated may elect to waive the Qualified Preretirement Survivor Annuity prior to the Plan Year in which he or she attains age 35, provided that any such waiver shall cease to be effective as of the first day of the Plan Year in which the Participant attains age 35. A Participant's waiver of the Qualified Joint and Survivor Annuity or Qualified Preretirement Survivor Annuity shall be valid only if the applicable notice described in subsection (v) or (vi) has been provided to the Participant.
- (iv) <u>Spouse's Consent to Waiver</u>. A spouse's written consent must acknowledge the effect of the Participant's election and must be witnessed by a Plan representative or a notary public. In addition, the spouse's written consent must either (a) specify any non-spouse Beneficiary designated by the Participant and that such designation may not be changed without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the designated Beneficiary without the spouse's further consent. A Participant's spouse shall be deemed to have given written consent to a Participant's waiver if the Participant establishes to the satisfaction

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of a Plan representative that spousal consent cannot be obtained because the spouse cannot be located or because of other circumstances set forth in Code Section 401(a)(11) and Treasury Regulations issued thereunder. Any written consent given or deemed to have been given by a Participant's spouse hereunder shall be irrevocable and shall be effective only with respect to such spouse and not with respect to any subsequent spouse. In addition, with regard to a Participant's waiver of the Qualified Joint and Survivor Annuity form of distribution, the spouse's written consent must either (a) specify the form of distribution elected instead of the Qualified Joint and Survivor Annuity, and that such form may not be changed (except to a Qualified Joint and Survivor Annuity) without written spousal consent or (b) acknowledge that the spouse has the right to limit consent as provided in clause (a) above, but permit the Participant to change the form of distribution elected without the spouse's further consent. A spouse's consent to a Participant's waiver shall be valid only if the applicable notice described in section (v) or (vi) has been provided to the Participant.

- (v) <u>Notice Regarding Qualified Joint and Survivor Annuity</u>. The notice provided to a Participant under this section shall include a written explanation that satisfies the requirements of Code Section 417(a)(3) and regulations issued thereunder. The notice will include a description of the following: (i) the terms and conditions of a Qualified Joint and Survivor Annuity and the Qualified Optional Survivor Annuity; (ii) the participant's right to make and the effect of any election to waive the qualified joint and survivor annuity form of benefit; (iii) the rights of a participant's spouse; and (iv) the right to make, and the effect of, a revocation of a previous election to waive the qualified joint and survivor annuity.
- (vi) Notice Regarding Qualified Preretirement Survivor Annuity. The Participant shall be provided with a written explanation of the Qualified Preretirement Survivor Annuity comparable to the written explanation provided with respect to the Qualified Joint and Survivor Annuity, as described in subsection (v) hereof. Such explanation shall be furnished within whichever of the following periods ends last: (a) the period beginning with the first day of the Plan Year in which the Participant reaches age 32 and ending with the end of the Plan Year preceding the Plan Year in which he reaches age 35; (b) a reasonable period ending after the employee becomes a Participant; or (c) in the case of a Participant who separates from service before age 35, a reasonable period ending after such separation from service. For purposes of the preceding sentence, the two-year period beginning one year prior to the date of the event described above and ending one year after such date shall be considered reasonable; provided, however, that in the case of a Participant who separates from service and subsequently recommences employment with the Company, the applicable period for such Participant shall be redetermined in accordance with this subsection.

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

(vii) <u>Former Spouse</u>. For purposes of this Section, a former spouse of a Participant shall be treated as the spouse or surviving spouse of the Participant, and a current spouse shall not be so treated, to the extent required under a qualified domestic relations order, as defined in Code Section 414(p).

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

SCHEDULE D

SPECIAL PROVISIONS RELATING TO FROZEN ROTH BALANCES TRANSFERRED FROM OTHER PLANS

This Schedule D contains special provisions that supersede any contradictory terms in the Plan text. The provisions of this <u>Schedule D</u> shall apply to Participants based on the subaccount balances that were transferred to an Arconic Retirement Savings Plan (now known as Howmet Aerospace Retirement Savings Plan) on January 1, 2017, and subsequent transfers of employment shall have no impact on the status of such subaccount balances.

1. The provisions of this <u>Schedule D</u> shall apply only to the account balances of Participants ("**Legacy RMI (or, prior to October 28, 2017, RTI) Roth Participant**") transferred to either: (a) the Arconic Salaried Retirement Savings Plan (now known as the Howmet Aerospace Salaried Retirement Savings Plan) or (b) the Arconic Hourly Non-Bargaining Retirement Savings Plan (now known as the Howmet Aerospace Hourly Retirement Savings Plan) from either: (x) the RTI Employee Savings and Investment Plan; (y) the RMI (or, prior to October 28, 2017, RTI) International Metals, Inc. Employee Savings and Investment Plan; or (z) the RMI (or, prior to October 28, 2017, RTI) Bargaining Unit Employee Savings and Investment Plan effective January 1, 2017 and subsequently transferred employment to a company and location covered by this Plan with a frozen Roth account balance ("**Legacy** RMI (or, prior to October 28, 2017, RTI) **Roth Balance**").

2. <u>Required Minimum Distributions</u>. Notwithstanding anything to the contrary in Section 11 of the Plan or otherwise, Legacy RMI (or, prior to October 28, 2017, RTI) Participants shall have the right to delay required minimum distributions on all Legacy RMI (or, prior to October 28, 2017, RTI) Plan Balances as of December 31, 2016 until the later of attaining age 70 ½ or the Participant's Severance from Service Date.

- 2. Legacy_RMI (or, prior to October 28, 2017, RTI) Roth Balances.
 - (a) <u>Separate Roth Subaccounts; No New Contributions</u>. Separate subaccounts shall be maintained for Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances. The Plan will maintain a record of the amount of the Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances in each such subaccount. Gains, losses, and other credits or charges will be separately allocated on a reasonable and consistent basis to each Participant's Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances subaccount and the Participant's other subaccounts within the Participant's account. No new contributions other than properly attributable earnings will be credited to each Participant's Legacy RMI (or, prior to October 28, 2017, RTI) Roth Subaccount. No Roth rollovers are accepted into this Plan, and no in-plan Roth conversions are permitted under this Plan.
 - (b) <u>Distributions</u>. Distributions of Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances shall be available to the extent that other distributions are available under the Plan.

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

- (c) <u>No Plan Loans</u>. No Plan loans shall be permitted from Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances.
- (d) <u>Small Sum Cashouts</u>. Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balances will be considered separately from other Plan subaccounts for purposes of rollovers of small sum cashouts under Section 11.
- (e) <u>Rollovers</u>. Any portion of an eligible rollover distribution of a Legacy RMI (or, prior to October 28, 2017, RTI) Roth Balance may only be rolled over to another designated Roth account established for the individual under an applicable retirement plan described in Code Section 402A(e)(1) that provides for Roth contributions or to a Roth individual retirement account described in Code Section 408A, subject to the rules of Code Section 402(c).

Howmet Aerospace Niles Bargaining Retirement Savings Plan Amended and Restated Effective as of January 1, 2021

Exhibit 10(w)

390 Park Avenue New York NY 10022-4608 USA

March 20, 2018

Michael N. Chanatry [Address]

Dear Mike,

As we have discussed, pending Board approval, I am pleased to offer you the position of Vice President and Chief Commercial Officer. The role will be based in Cleveland, Ohio and report directly to me. You will be a member of Arconic's Executive Leadership Team and will be elected an Officer of the company. The total compensation package includes annual targeted salary and substantial additional long-term compensation opportunities as summarized below.

<u>Salary:</u>

Annual salary will be \$485,000, paid on a monthly basis.

Incentive Compensation:

You will be eligible for target annual Incentive Compensation of 70% of your base salary. Actual payouts could be higher or lower than target depending on individual and business performance.

Sign-On Cash Bonus:

You will receive a special sign-on cash bonus totaling \$200,000, less any applicable tax withholding, paid out as soon as administratively feasible after your start date. Should you voluntarily terminate your employment with Arconic for any reason in the first 12 months after your receipt of the bonus, you agree to reimburse the company for this amount. If you voluntarily terminate your employment with Arconic for any reason after 12 months and within 24 months, you agree to reimburse the company for half of this amount.

Annual Equity Awards:

You will be eligible for an annual equity award as part of the normal grant cycle starting in January 2019. Target value will be \$475,000 and subject to the provisions of the Arconic Stock Incentive Plan at the time of grant. For reference, based on the current guidelines for employees at your level, 50% will be granted as performance-based restricted stock units and 50% will be granted as time-vested equity awards in the form of either stock options and/or restricted stock units. The design of the program is reviewed each year and is subject to change.

Sign-On Equity Awards:

You will receive special equity awards totaling \$775,000 with a grant date set as soon as administratively feasible after your start date. The awards will be as follows:

\$237,500 will be granted as performance based restricted stock units. This award will cliff vest three years from the date
of the grant, contingent on your continued employment with the company through the vesting date. The award can be
earned at 0-200% of the number of RSUs

[Logo]

granted depending upon performance against the same metrics and targets set for the January 2018 performance based restricted stock units for other executives at your level.

- \$237,500 will be granted as time-vested stock options. This award will vest in 1/3 increments over 3 years from the date of grant, contingent on your continued employment with the company through the vesting dates. The strike price will be the closing stock price on the date of grant, and you will have 10 years to exercise the options.
- \$300,000 will be granted as time-vested restricted stock units. This award will cliff vest three years from the date of the grant, contingent on your continued employment with the company through the vesting date.

The number of award shares will be based on the closing stock price at the date of grant. The foregoing awards will be subject to the provisions of the Arconic Stock Incentive Plan at the time of grant.

Equity Ownership Requirements:

Consistent with Arconic's efforts to align the company's senior leadership with the interests of Arconic shareholders, the Board of Directors has adopted requirements on equity ownership for senior Arconic executives. The equity ownership requirement for executives at your level is currently 1.5 times base salary. Until equity ownership requirements are met, you are required to retain 50% of shares acquired upon vesting of restricted/performance shares or upon exercise of stock options, after deducting those used to pay for applicable taxes or the exercise price.

Benefits:

You will be eligible to participate in Arconic employee benefit plans, including health care, life insurance, and disability coverage. Details of these plans will be sent to you separately.

Retirement Savings Plan:

Arconic offers a tax qualified 401(k) savings plan and a non-qualified deferred compensation plan to help you save toward retirement. Details will be sent to you separately and are subject to plan terms and conditions. Current company contributions are:

- 3% of your base salary and incentive compensation, and
- a match of your deferred pre-tax savings dollar-for-dollar up to 6% of your base pay.

Vacation:

You will be eligible for 4 weeks of paid vacation per year, in addition to company recognized holidays.

This offer is contingent upon the following conditions:

- Having successfully completed a pre-employment drug screen. You will need to present a photo ID at the time of your screening.
- Providing authorization and release for Arconic to conduct a comprehensive review of your background, the result of
 which is satisfactory to Arconic. The authorization and release will also be valid for subsequent reports during your
 period of employment with Arconic.
- Providing us with satisfactory references.
- Providing us with documentation in the original form establishing both your identity and your employment eligibility in the U.S.
- Signing the attached Employment Agreement.
- Signing the attached Non-Compete Agreement.

We believe that you have the leadership competencies and experience to make a significant contribution to the success of our company. We look forward to your positive contributions to our future. To accept our offer, please sign and date the bottom of this letter and return it to me. If you have any questions please feel free to call.

I look forward to hearing from you soon.

Best Regards,

/s/ Chip Blankenship

Chip Blankenship Chief Executive Officer

Attachment: Non-Competition Agreement

I, Michael N. Chanatry, am pleased to accept your offer of employment dated March 8, 2018 for the position of Vice President and Chief Commercial Officer on the terms detailed in the offer letter.

I would like my start date with Arconic to be <u>4/16/18</u> and will fulfill the foregoing conditions before then.

Accepted by:

Date:

/s/ Michael N. Chanatry Michael N. Chanatry 3/22/18

SUBSIDIARIES OF THE REGISTRANT (As of December 31, 2021)

Name	State or Country of Organization
Howmet Aerospace Inc.	Delaware
Howmet Domestic LLC	Delaware
Howmet Securities LLC	Delaware
Howmet International Inc.	Delaware
Howmet Holdings Corporation	Delaware
Howmet Japan LTD	Japan
Howmet Castings & Services, Inc.	Delaware
Howmet Corporation	Delaware
Howmet International Holding Company LLC	Delaware
Howmet Luxembourg S.à r.l.	Luxembourg
Howmet Holdings Limited	United Kingdom
Howmet-Köfém Kft	Hungary
Howmet Global Treasury Services S.a.r.l.	Luxembourg
FR Acquisitions Corporation Europe Limited	United Kingdom
Howmet Holding France SAS	France
Howmet Europe Commercial SAS	France
Howmet Mexico Holdings LLC	Delaware
Cordant Technologies Holding Company	Delaware
Howmet Global Fastening Systems Inc.	Delaware
Huck International Inc.	Delaware
FR Acquisition Corporation (US), Inc.	Delaware
JFB Firth Rixson Inc.	Delaware

The names of particular subsidiaries have been omitted because, considered in the aggregate as a single subsidiary, they would not constitute, as of the end of the year covered by this report, a "significant subsidiary" as that term is defined in Regulation S-X under the Securities Exchange Act of 1934.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statements on Form S-3 (No. 333-237705) and Form S-8 (Nos. 333-32516, 333-106411, 333-128445, 333-146330, 333-153369, 333-155668, 333-159123, 333-168428, 333-170801, 333-182899, 333-189882, 333-203275, 333-212246, 333-229727, 333-229914 and 333-232219) of Howmet Aerospace Inc. of our report dated February 14, 2022 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in this Form 10-K.

/s/ PricewaterhouseCoopers LLP Pittsburgh, Pennsylvania February 14, 2022

Exhibit 24

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned Directors of Howmet Aerospace Inc. (the "Company") hereby constitutes and appoints RAMON J. CERON, KENNETH J. GIACOBBE, LOLA F. LIN, AND BARBARA L. SHULTZ, or any of them, his or her true and lawful attorneys-in-fact and agents, with full power of substitution, to do any and all acts and things and to execute any and all instruments that said attorneys-in-fact and agents, or any of them, may deem necessary or advisable or may be required:

(1) To enable the Company to comply with the Securities Exchange Act of 1934, as amended (the "1934 Act"), and any rules, regulations or requirements of the Securities and Exchange Commission (the "Commission") in respect thereof, in connection with the filing under the 1934 Act of the Company's Annual Report on Form 10-K for the year ended December 31, 2021 (the "2021 Annual Report"), including specifically, but without limiting the generality of the foregoing, power and authority to sign the name of each of the undersigned in the capacity of Director of the Company to the 2021 Annual Report to be filed with the Commission and to any instruments or documents filed as part of or in connection with the 2021 Annual Report, including any amendments or supplements thereto;

(2) To enable the Company to comply with the Securities Act of 1933, as amended (the "1933 Act"), and any rules, regulations or requirements of the Commission in respect thereof, in connection with the registration under the 1933 Act during 2022 of the offer and sale or delivery of shares of common stock of the Company to be issued under the 2013 Howmet Aerospace Stock Incentive Plan, as Amended and Restated, as such plan may be amended and/or restated from time to time (including any amendments thereto or restatements thereof, the "2013 Plan"), including specifically, but without limiting the generality of the foregoing, power and authority to sign the name of each of the undersigned in the capacity of Director of the Company to any registration statement on Form S-8, or on such other form as may be appropriate, to be filed with the Commission in respect of said shares and the 2013 Plan, or any of them, to any and all pre-effective amendments, post-effective amendments and supplements to any such registration statement, and to any instruments or documents filed as part of or in connection with any such registration statement or any such amendments or supplements thereto; and

(3) To enable the Company to comply with the 1933 Act, and any rules, regulations or requirements of the Commission in respect thereof, in connection with the registration under the 1933 Act during 2022 of the offer and sale or delivery of shares of common stock of the Company to be issued under the Company's employee retirement savings plans (together with interests in such plans), including, without limitation, the Howmet Aerospace Hourly Retirement Savings Plan, the Howmet Aerospace Salaried Retirement Savings Plan, and employee retirement or other savings plans sponsored by the Company or its subsidiaries or entities acquired by the Company from time to time (the "Plans"), including specifically, but without limiting the generality of the foregoing, power and authority to sign the name of each of the undersigned in the capacity of Director of the Company to any registration statement on Form S-8, or on such other form as may be appropriate, to be filed with the Commission in respect of said shares and the Plans (or interests in such Plans), or any of them, to any and all pre-effective amendments, post-effective amendments and supplements to any such registration statement, and to any instruments or documents filed as part of or in connection with any such registration statement or supplements thereto; and

(4) To enable the Company to comply with the 1933 Act, and any rules, regulations or requirements of the Commission in respect thereof, in connection with the registration under the 1933 Act on an unallocated basis of the Company's securities, including debt securities, preferred stock, common stock and hybrid securities (including convertible or exchangeable securities); warrants to purchase debt or equity securities of the Company; stock purchase contracts and stock purchase units; and trust preferred securities of a trust or similar vehicle and related guarantees thereof by the Company, including specifically, but without limiting the generality of the foregoing, power and authority (i) to sign the name of each of the undersigned in the capacity of Director of the Company to one or more registration statements on Form S-3 or such other form as such attorneys-in-fact, or any of them, may deem necessary or desirable (including any registration statement filed pursuant to Rule 462 under the 1933 Act), and to any and all amendments and post-effective amendments and supplements to any such registration statements, and to any and all instruments or documents filed as part of or in connection with any such registration statements or supplements thereto, and (ii) to file the same with all exhibits thereto with the Commission; and

granting unto each of said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as the undersigned might or could do in person, and each of the undersigned hereby ratifies and confirms all that said attorneys-in-fact and agents, or any of them, shall do or cause to be done by virtue hereof. This power of attorney will be governed by and construed in accordance with the laws of the State of Delaware. The execution of this power of attorney is not intended to, and does not, revoke any prior powers of attorney. This power of attorney may be signed in any number of counterparts, each of which shall constitute an original and all of which, taken together, shall constitute one power of attorney.

IN WITNESS WHEREOF, each of the undersigned has subscribed these presents this 10th day of February 2022.

/s/ James F. Albaugh	/s/ Amy E. Alving
James F. Albaugh	Amy E. Alving
/s/ Sharon R. Barner	/s/ Joseph S. Cantie
Sharon R. Barner	Joseph S. Cantie
/s/ Robert F. Leduc	/s/ David J. Miller
Robert F. Leduc	David J. Miller
/s/ Jody G. Miller	/s/ Nicole W. Piasecki
Jody G. Miller	Nicole W. Piasecki
/s/ John C. Plant	/s/ Ulrich R. Schmidt
John C. Plant	Ulrich R. Schmidt

Certifications

I, John C. Plant, certify that:

- 1. I have reviewed this annual report on Form 10-K of Howmet Aerospace Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 14, 2022

/s/ John C. Plant John C. Plant Executive Chairman and Chief Executive Officer I, Ken Giacobbe, certify that:

- 1. I have reviewed this annual report on Form 10-K of Howmet Aerospace Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 14, 2022

/s/ Ken Giacobbe Ken Giacobbe Executive Vice President and Chief Financial Officer

Certification Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (subsections (a) and (b) of Section 1350, Chapter 63 of Title 18, United States Code), each of the undersigned officers of Howmet Aerospace Inc., a Delaware corporation (the "Company"), does hereby certify that:

The Annual Report on Form 10-K for the period ended December 31, 2021 (the "Form 10-K") of the Company fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and information contained in the Form 10-K fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated:	February 14, 2022	/s/ John C. Plant
		John C. Plant
		Executive Chairman and Chief Executive Officer
Dated:	February 14, 2022	/s/ Ken Giacobbe
		Ken Giacobbe
		Executive Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-K and shall not be considered filed as part of the Form 10-K.