



2024 ANNUAL REPORT



LETTER FROM THE PRESIDENT & CEO

The Aluminum Association is Firing on All Cylinders

Reflecting on 2024, I am proud of what the industry and the association were able to accomplish by working together over the past 12 months. Aluminum demand came roaring back in 2024, approaching historic levels. Our new industry economic impact study showed record job levels in several sectors despite continued challenges in others. Investments and expansions continue with more than \$10 billion invested in U.S. facilities over the past decade.

As we navigate the ever-evolving landscape, we remain poised for growth.

POISED FOR GROWTH

Global aluminum demand is expected to increase by 80% by 2050, and the U.S. economy and aluminum industry continue to lead on the global stage. Although we anticipate near-term challenges, including potential metal supply issues, I am optimistic about the industry's long-term growth prospects in America for several reasons:

- **Industry Expansion:** For the first time since the 1980s, two new aluminum rolling mills are under construction and significant recycling capacity has been added.
- **Recycling Initiatives:** We are intensifying efforts to improve aluminum can recycling rates, aiming to bring back more of the \$1 billion+ worth of aluminum landfilled each year. This shift is crucial for our industry, the environment and the overall economy.
- **Industry Adaptation:** As consumers turn to recyclable, lightweight materials like aluminum to replace less sustainable options, the industry is not sitting still. We are innovating every day with new processes and techniques like inert anode and related technologies to make more aluminum with less environmental impact. And we're making progress. Globally, aluminum

production has grown more than 14% since 2019 while overall industry emissions have dropped by more than 1%.

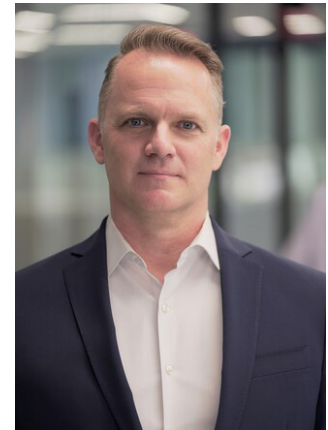
ASSOCIATION PARTNERSHIP

The Aluminum Association has been hard at work to support and strengthen the industry:

- **Trade Advocacy:** We prioritized defending the North American aluminum market from unfairly traded metal from countries like China. This work drove action in all three countries – increased Section 301 tariffs on Chinese aluminum imports entering the United States; ramped up monitoring and enforcement commitments in Mexico; and established new tariffs in Canada to keep Chinese and Russian metal out.
- **Federal Infrastructure Engagement:** We aided members in navigating the infrastructure grant process, helping secure \$650 million in federal investment to support new aluminum ventures and recycling technologies.
- **Decarbonization Leadership:** Released a first-of-its-kind decarbonization roadmap for North America, highlighting potential carbon reduction pathways and signaling the need for broader societal shifts toward clean energy if goals are to be met.
- **Market Reporting:** A new market study by the association projected 9% growth for the building and construction aluminum market through 2027, driven by commercial applications and clean energy shifts. Aluminum is crucial for projects aiming for LEED certification.

As we enter a new political environment in 2025, the association is poised for continued success. I am proud of the work we executed over the past year and remain bullish on our future. Together, we will continue to advocate for and advance American aluminum.

Thank you for your continued support.



Charles Johnson
President & CEO
The Aluminum Association

A handwritten signature in black ink that reads "Chuck". The signature is fluid and cursive, written in a professional style.

By the Numbers

Nearly

700,000

jobs supported by the
U.S. aluminum industry.

\$

\$

The industry generates

\$

\$

\$228+

billion in economic output.

125

member companies

\$69,100

raised for Aluminum PAC





\$10+ billion

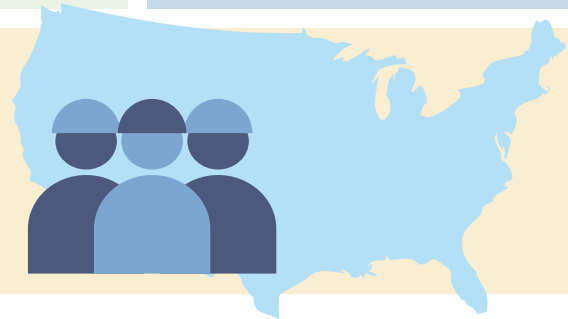
invested by member companies since 2016



300+

statistical reports

Aluminum supports
jobs in all 50 states



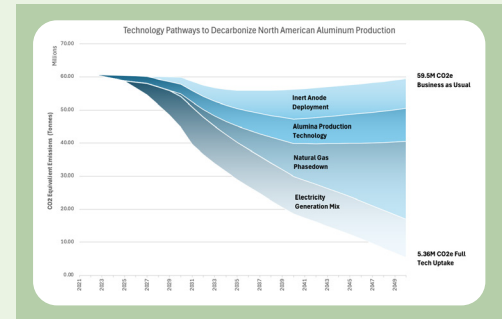
Choose Aluminum for a Sustainable Future

NEW REPORT DETAILS POTENTIAL PATHWAYS TO ALUMINUM INDUSTRY DECARBONIZATION BY 2050

In May, the Aluminum Association released a new report, *Pathways to Decarbonization: A North American Aluminum Roadmap*, highlighting potential strategies to dramatically reduce carbon emissions in the North American (United States and Canada) aluminum industry by mid-century. The roadmap lays out theoretical pathways to achieve industrywide carbon emission reductions consistent with the International Energy Agency's (IEA) Net Zero by 2050 goals. According to the roadmap, achieving net zero targets will require aluminum production emissions declines of 24% by 2030; 63% by 2040; and 92% by 2050 compared to a 2021 emissions baseline.

The potential pathways to meeting those declines include: Aluminum Production Technology and Efficiency Improvements; Alternative Fuels and Carbon Capture; Grid Decarbonization.

Additionally, recycling more aluminum, more efficiently can dramatically speed up industry emissions reductions. The report also finds that the North American region has a significant first mover advantage in terms of its aluminum product carbon footprint—which is about 50% lower than global averages thanks to the use of low carbon primary aluminum; increased recycling; and voluntary emissions reductions efforts over the past several decades. However, meeting such aggressive emissions reductions targets by mid-century will require an all-of-society approach to decarbonization and tens of billions of dollars in both public and private investment.



WORKFORCE DEVELOPMENT TOOLKIT FOCUSES ON RECRUITMENT INITIATIVES



As the aluminum industry continues to grow, attracting skilled talent remains a top priority. Working with the Sustainability Advisory Council, the Aluminum Association developed a toolkit with ready-to-use resources to showcase the dynamic career opportunities within the aluminum sector. Key features in the toolkit include: customizable presentation materials; industry fact sheets and infographics; career pathway guides; social media templates; and educational resources for engagement with schools and training institutions. The toolkit is designed to enhance member's existing workforce initiatives and help to recruit the aluminum workers of tomorrow.



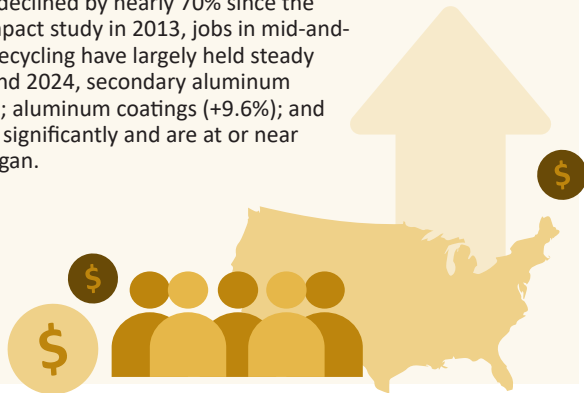
DOE GRANTS DRIVE ALUMINUM DECARBONIZATION PROJECTS

The Department of Energy (DOE) announced more than \$650 million in grants for four major aluminum decarbonization projects as part of a broader \$6 billion Industrial Demonstrations Program funded through bipartisan infrastructure legislation. The largest award provides up to \$500 million to Century Aluminum to construct the first new U.S. primary aluminum smelter in 45 years. Three additional projects focusing on zero-carbon casting, improved recycling efficiency and waste reduction at facilities were awarded to association member companies Constellation, Golden Aluminum and Real Alloy, respectively. The newly announced projects are expected to create ripple effects that will further secure energy dominance throughout the domestic aluminum value chain.

Telling the Industry's Story

2024 REPORT SHOWS RECORD RECYCLING JOBS, ECONOMIC OUTPUT FOR U.S. ALUMINUM

Aluminum in the United States is a growing industry with a bright future supporting a modern, clean energy economy. A new study by economic research firm John Dunham & Associates found that the U.S. aluminum industry directly employs more than 164,000 workers and drives \$92 billion in direct economic output. The *2024 Economic Impact of the U.S. Aluminum Industry* study also found that when indirect and induced impacts are considered, the industry supports nearly 700,000 American jobs and \$228 billion in total economic impact – nearly 1% of U.S. GDP. While jobs in the primary aluminum sector declined by nearly 70% since the association's first economic impact study in 2013, jobs in mid-and-downstream production and recycling have largely held steady or increased. Between 2022 and 2024, secondary aluminum production/recycling (+12.5%); aluminum coatings (+9.6%); and sheet/plate (+6.0%) jobs grew significantly and are at or near record levels since tracking began.



LETTER TO THE EDITOR OF THE WALL STREET JOURNAL HIGHLIGHTS CARBON ADVANTAGE

Aluminum Association President & CEO Charles Johnson penned a letter to the editor of *The Wall Street Journal* highlighting North American aluminum's sustainability advantage and why regional production matters. North American aluminum production is half as carbon intensive as global averages, contrasting with Chinese aluminum products, which are nearly 2.5 times more carbon intensive. With global aluminum demand expected to surge 80% by 2050 and global net-zero goals requiring a 92% reduction in greenhouse-gas emissions, substantial investment and a modernized power grid are crucial to continued emissions declines.

NEW VIDEOS CELEBRATE ALUMINUM AS A METAL AND ASSOCIATION

On the heels of its 90th anniversary, the Aluminum Association released two new videos to celebrate aluminum the metal, and aluminum the member organization. The first video, “Celebrating Aluminum”, details how aluminum is all around us—from the cars we drive to the packaging we use to the technology that keeps society moving. The second video, “Benefits of Membership,” features Aluminum Association members past and present sharing why they engage with the association and how working with one voice strengthens the aluminum industry for generations to come.

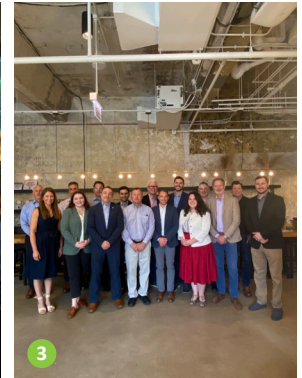


SHARPENING OUR MESSAGE



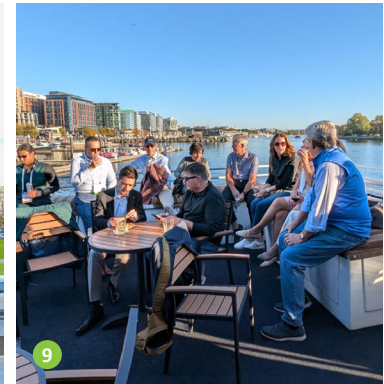
The Aluminum Association hosted members from Alcoa, Constellium, Hydro, Kaiser, Real Alloy, Rio Tinto, Scepter, Tri-Arrows Aluminum and United Scrap Metal in Washington, D.C. for its third annual message coaching and media training session. The 2-day event brought together industry leaders to discuss the basics of media and other external engagement; review existing industry messaging; practice on-camera interviews; and more. This member benefit helps to strengthen industry messaging whether it’s in front of the media, at an employee town hall or in a small team meeting.

A Year in Photos



1: (Pictured L-R) Terry Hogan, Real Alloy; 2024 Boultinghouse Award Winner Mike Keown, Commonwealth; Henry Gordinier, Tri-Arrows. **2:** Congressional Aluminum Caucus Briefing on Capitol Hill. **3:** Statistics and Market Research Committee Meeting. **4:** Arconic's Mark Vrabec and Constellation's Buddy Stemple. **5:** Kirsten Hillman, Canadian Ambassador to the United States, joined Charles Johnson for a fireside chat during the Annual Meeting. **6:** Association Vice Chair Murray Rudisill of Reynolds speaks to the membership.

A Year in Photos



7: The Aluminum Association team held its second annual staff retreat in February. **8:** The association advocated for a new recycling refund bill in Washington. (Pictured L-R: Fiona Bell of Novelis; Curt Wells, Aluminum Association; and Delphine Kocher and Michael Hamm of Constellium). **9:** Aluminum PAC members enjoyed a sunset river cruise during the annual meeting. **10:** Members enjoyed an outdoor reception in Scottsdale, AZ. **11:** The Casthouse Safety Workshop in Detroit trained 100+ workers on molten metal safety. **12:** Pictured L-R: Sadzi Oliva, United Scrap Metal; Kelly Thomas, Vista Metals; Jodi Keller, United Scrap Metal.

Aluminum's Voice in D.C. and Beyond

ASSOCIATION CHARTS COURSE FOR U.S. ALUMINUM IN NEW ADMINISTRATION

The Aluminum Association released a Presidential Policy Brief outlining strategic policy actions the Trump administration could take to strengthen America's aluminum sector, which supports 700,000 jobs nationwide. The comprehensive framework addresses critical industry challenges through four key priorities:

- Implementing targeted **trade** enforcement to ensure fair global competition
- Expanding domestic **recycling** infrastructure to secure material supply
- Developing a national strategy recognizing aluminum as a **critical material** for national economic security
- Supporting **investment** through smart infrastructure and tax policies

With growing demand and historic investment, the association's policy recommendations arrive at a crucial moment for U.S. aluminum. This brief positions the industry to meet growing demand while strengthening American manufacturing leadership.



INDUSTRY BRIEFS CONGRESSIONAL ALUMINUM CAUCUS

The Aluminum Association hosted bipartisan Congressional Aluminum Caucus members and staff for an Aluminum 101 briefing over the summer. The briefing served as an introduction to the industry and its major priorities for new Caucus members and a refresher for returning members. The Caucus serves as an excellent forum to raise awareness of the U.S. aluminum industry and every aspect of the metal's production and use – from mining to manufacture to recycling. With facilities in nearly every Congressional District, it's important to ensure policymakers understand what the aluminum industry needs to compete in a dynamic marketplace. The Caucus focuses on telling this story and educates key federal policymakers about critical issues facing the industry.

CBP EXPANDS ALUMINUM KNOWLEDGE

As part of its ongoing work to help Customs and Border Protection (CBP) staff deepen their understanding of aluminum trade flows, Aluminum Association staff worked with member companies Arconic and Hydro to host CBP officials from multiple ports and headquarters locations at facilities in Lancaster, PA, and Cassopolis, MI, respectively. In addition to a review and tour of the facilities, association staff provided updates on the status of aluminum trade cases and the operation of the Aluminum Import Monitoring (AIM) system. Both built on previous sessions the association and its member companies have hosted in diverse locations around the country.

ASSOCIATION ADVOCATES FOR INCREASED NORTH AMERICAN TRADE ENFORCEMENT

Trade continued to be a top issue for the aluminum industry in 2024, and the Aluminum Association worked extensively with regional partners and policymakers to advocate for a fair market and level playing field for U.S. producers. Following a 2023 summit in Mexico City, the association met with counterparts from the aluminum associations of Canada and Mexico in Ottawa to discuss ongoing market challenges in the aluminum trade in North America. In a letter to North American trade ministers, we called for increased monitoring and enforcement of trade laws throughout North America to stop the flow of unfairly traded aluminum from China, Russia and elsewhere. We also called for the creation of a new North American Aluminum Trade Committee to facilitate discussion and coordination between the aluminum industry and our respective governments.



Advancing Markets & Business Information

SEVEN DECADES OF SETTING THE STANDARD

Since 1954, the Aluminum Association has worked with the industry to develop and maintain technical standards for aluminum production. What began as a simple drive for common specifications has become the foundation for global industrial progress and innovation. These standards ensure that aluminum components manufactured anywhere in the world meet identical specifications, enabling seamless international commerce and collaboration. The Technical Committee on Products Standards' (TCPS) work is the bedrock to many of the association's activities on behalf of the industry.

And after 70 years, standardization remains more than technical specifications—it's the universal language that builds trust and propels our industry forward.



GLOBAL ALLIANCE PLANS TO BOOST CAN RECYCLING



The Global Beverage Can Circularity Alliance hosted a global can summit at 2024 New York Climate Week and launched a global advocacy plan for increasing aluminum can recycling rates. Research conducted by Roland Berger identified actions, investments and policies based on domestic can usage, waste management and socioeconomic factors in 140 countries. The plan also emphasizes broader global implications of recycling. For example, recycling aluminum beverage cans currently landfilled in the United State could offset 18% of the nation's aluminum imports. The alliance, supported by the Aluminum Association, Can Manufacturers Institute and others, also called on national governments to commit to setting appropriate policies to achieve global aluminum beverage can recycling targets of 80% or more by 2030 and 100% by 2050. During a panel discussion during Climate Week, the association noted that more than a dozen 12-packs per person end up in landfills in the U.S. alone - the equivalent of throwing away over \$1 billion annually. Recycling these cans could save enough energy to power more than 2 million homes for a year.

NEW STUDY ANTICIPATES 9% BUILDING & CONSTRUCTION DEMAND INCREASE

A new report from Ducker Carlisle says aluminum usage in the building and construction sector is projected to grow approximately 9% by 2027 compared to 2022 levels. This represents an annual shipment increase of more than 200 million pounds. The growth is primarily driven by increased use in commercial buildings and clean energy applications—particularly solar installations—supported by federal infrastructure spending and emissions reduction programs under the Inflation Reduction Act. In 2022, nonresidential construction dominated the sector, accounting for more than 60% of the 2.5 billion pounds of aluminum shipped, while extruded aluminum profiles maintained the highest share due to strong demand for window frames. Fully 62% of building and construction professionals, including 79% of architects, anticipate increased aluminum use in future projects, ranking it as the material most likely to see growth among twelve building materials. Aluminum is playing a key role in sustainable construction as companies look to strong, durable, recyclable and environmentally friendly options.



Aluminum usage in the building and construction sector is projected to grow approximately

9%

by 2027

Meet the Leadership

Board Leadership

*Denotes Member of Executive Committee



Henry Gordinier,
Tri-Arrows Aluminum*
Chair



Murray Rudisill,
Reynolds Consumer Products*
Vice Chair

Amy Abraham, Rio Tinto *
Chris Cerone, Novelis*
Paul-Henri Chevalier, Jupiter Aluminum
Erin Fauber, AMCOR *
Tom Grosko, Smelter Service
Matt Hanley, Vail Rubber Works
Elöise Harvey, EPIQ Machinery
Dave Hauser, Skana Aluminum Company
Terry Hogan, Real Alloy *
Jodi Keller, United Scrap Metal
Mike Keown, Commonwealth Rolled Products
John Lapides, United Aluminum

Patrick Lawlor, Granges Americas
Charlie Murrah, Southwire *
Diana Perreiah, Arconic *
Duncan Pitchford, Hydro Aluminum
Metals USA
Gaby Poirier, Alcoa *
Ryan Roush, JW Aluminum
Garney Scott III, Scepter*
Buddy Stemple, Constellium*
Kelly Thomas, Vista Metals *
Jason Walsh, Kaiser Aluminum

Board Committee Leadership

Executive Committee

Murray Rudisill, Reynolds Consumer Products

Finance Committee

Tom Grosko, Smelter Service

Legal Audit

Vacant

Membership

Erin Fauber, AMCOR

Nominating

Jason Walsh, Kaiser Aluminum

PAC Board

Chris Cerone, Novelis

Sustainability Advisory Council

Terry Hogan, Real Alloy

Meet the Leadership

Resource and Support Group Leadership

Associate Member

Jodi Keller, United Scrap Metal

Environmental

Edgar Scott, Kaiser Aluminum

Government Affairs Committee

Duncan Pitchford, Hydro

Health & Safety

Vacant

Statistical & Market Research

Mike Crane, Smelter Service

Technical Committee on Product Standards

Jerome Fourmann, Rio Tinto

Market Committee Leadership

Aluminum Transportation Group (ATG)

Craig Lewis, Constellium

Building & Construction

Paul Walker, Hydro

Can Sheet Producers

Oscar Roblesgil, Arconic

Electrical

Christel Hunter, Cerro Wire

Foil

Matt Wilkins, Reynolds Consumer Products

Heavy Truck

Brian McCallie, Constellium

Recycling

Helen Weykamp, Hydro

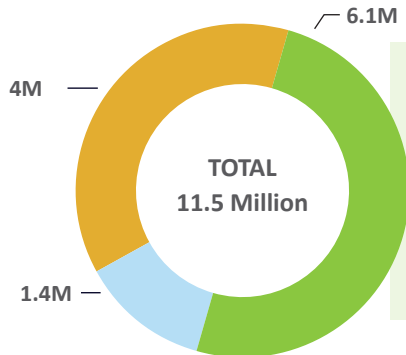
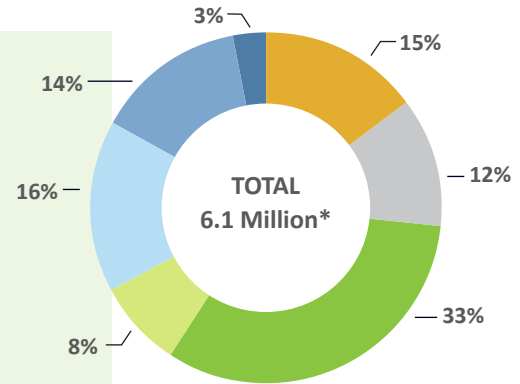
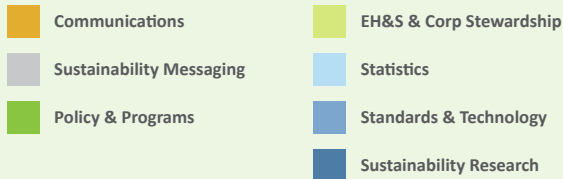
Sheet & Plate

Patrick Boittiaux, Arconic

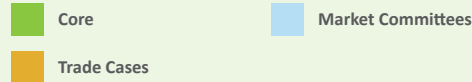
Financial Stewardship

The association's 2024 budget was break even, and we ended the year with a modest surplus.

2024 Core Program Costs



2024 Total Association Spend



Thank you to our Aluminum PAC Donors

As of December 31, 2024



Chair Level (\$5,000)

Steven Fisher, Novelis
Henry Gordinier, Tri-Arrows Aluminum
John Herrmann, Kelley Drye
Charles Johnson, Aluminum Association
Garney Scott, Scepter

Presidential Level (\$2,500-\$4,999)

Air Products PAC
Alcoa PAC
Arconic PAC
Chris Cerone, Novelis
Erin Fauber, AMCOR

Congressional Level (\$1,000-\$2,499)

Will Brown, Aluminum Association
Jennifer Cassidy, Aluminum Association
Benjamin Hamm, PGT Trucking
Terry Hogan, Real Alloy
John Lapidès, United Aluminum
Mike Keown, Commonwealth Rolled Products
Matt Kripke, Kripke Enterprises

Matt Meenan, Aluminum Association

Messer PAC
Duncan Pitchford, Hydro
Rio Tinto PAC
Ryan Roush, JW Aluminum
Edgar Scott, Kaiser Aluminum
Buddy Stemple, Constellium
Jason Walsh, Kaiser Aluminum
Curt Wells, Aluminum Association

Supporter Level (\$1,000 and below)

Jennifer Bell, Aluminum Association
Richard Burchett, Commonwealth Rolled Products
Travis Carr, Real Alloy
Kyle England, Kaiser Aluminum
Mike Falk, Falk PLI
David Georgiana, Penske Logistics
Tom Grosko, Smelter Service Corporation
Matt Hanley, Vail Rubber Works
Mike Hanley, Vail Rubber Works
Joel Hatfield, Hazelett Strip-Casting Corporation
David Hauser, Skana Aluminum

AJ Johnston, Arconic

Robert Khami, Valor Renewables
Tina Kimble, Novelis
Donna Kopecky, Kaiser Aluminum
Chad Kripke, Kripke Enterprises
Harrison Lapidès, United Aluminum
Brian McCallie, Constellium
Ryan Modlin, Hydro
Josh Morey, Kelley Drye
Ryan Olsen, Aluminum Association
Murray Rudisill, Reynolds
Neeraj Saxena, Messer
Cathy Schad, Skana Aluminum
Steve Stemple, Hazelett Strip-Casting Corporation
Charles Straface, Hydro
Daniel Titus, Page Transportation
Chad Tucker, Scepter
Franklin Uba, Arconic
Don Whitacre, Novelis
Lauren Wilk, Arconic

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 AluminumAssociation

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