MEADVILLE FORGING COMPANY

Environmental Sustainability Mission Statement

Meadville Forging Company (MFC) is committed to environmental leadership through precision forging, operational excellence, and responsible resource management. As a premier manufacturer of high-quality forged steel components engineered to meet the demanding standards of the automotive industry, we integrate sustainability into every layer of our business—from energy sourcing and material selection to waste reduction and emissions control. To drive measurable environmental performance, we implement a multi-tiered strategy focused on low-carbon operations, circular materials management, and long-term resiliency:

Experienced Sustainability Leadership: Our strategy is led by a seasoned management team with deep expertise in steel sourcing, energy procurement, and industrial scrap recycling. This leadership ensures that all decisions related to material flows, energy usage, and environmental impact are guided by technical insight, industry best practices, and cost-effective sustainability outcomes. Their proven track record provides the confidence and stability needed to drive long-term sustainability initiatives that align with both business goals and environmental responsibilities. Equally important, our leadership recognizes the responsibility to cultivate a culture at Meadville Forging of accountability, innovation, and continuous improvement—while actively mentoring the next generation of professionals to carry forward these values and ensure lasting impact.

Clean Energy Utilization: Meadville Forging powers its operations with electricity supplied by a forward-thinking energy provider that leverages next-generation technologies—including renewable energy, advanced storage systems, and grid modernization—to support the global transition to a carbon-free future. These efforts are guided by an experienced energy strategist who ensures the company's clean energy initiatives align with long-term sustainability goals while delivering both environmental and operational benefits. In addition, MFC participates in electricity demand resource planning—a green initiative that optimizes energy use through efficiency, demand response, and load management to reduce reliance on fossil fuels and enable greater integration of renewable energy.

Low-Carbon Steel Sourcing: We are committed to reducing our environmental footprint by sourcing 100% of our steel from suppliers that utilize Electric Arc Furnace (EAF) technology. Unlike traditional Basic Oxygen Furnace (BOF) methods, which rely heavily on virgin iron ore and coking coal, EAF operations primarily use recycled ferrous scrap—substantially lowering greenhouse gas emissions, energy consumption, and raw material extraction. This process delivers the metallurgical consistency and mechanical properties necessary for Specialty Bar Quality (SBQ) steel, which is critical for our precision-forged components. EAF-based production emits up to 75% less CO_2 per ton of steel produced compared to conventional methods.

Closed-Loop Steel Scrap Recovery: Our facility maintains a rigorous steel scrap management program that captures, segregates, and recycles all by-product scrap generated during the forging process. This closed-loop system reduces landfill dependency, conserves natural resources, and minimizes greenhouse gas emissions. By eliminating the need to mine and process raw materials such as iron ore, coal, and limestone, steel recycling offers substantial environmental advantages. Compared to primary steelmaking, scrap-based production consumes up to 74% less energy, resulting in improved process efficiency and a significantly lower carbon footprint.

Our Long-Term Commitment: At MFC, sustainability is not a short-term program—it is a long-term commitment integrated into our operational DNA. We continuously monitor our environmental performance, seek out new technologies, and collaborate with industry partners to push the boundaries of sustainable manufacturing. By aligning our environmental practices with our business goals, we deliver value not only to our customers and stakeholders, but also to future generations. At MFC, we are forging high-quality steel components with integrity—and building a cleaner, more sustainable world.

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