



GO BEYOND WITH BALL.™

Ball Aerospace: Boulder Energy Reporting ID EB160 and EB233

Prepared for:

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Before Ball Aerospace seeks out new planets, we make it a point to protect the one we live on. We develop groundbreaking and innovative spacecraft, sensors, systems and components that provide critical climate and environmental data to assist policy makers in decision making. Ball has developed technology that helps scientists to better understand our planet's atmosphere, ice mass, oceans, clouds and wind and that allows for precise mapping of the Earth. From sustainable business practices to building systems to monitor our planet, we always Go Beyond™ for sustainability at Ball.

In 2006, Ball Corporation began a formal approach to sustainability that was endorsed by all of its subsidiaries. Ball's corporate sustainability priorities are innovation, operations, talent management, recycling, supply chain and community. To make sustainability more tangible for our employees, Ball introduced the "Big 6" concept in 2008. This concept categorizes the six operational sustainability indicators Ball can control: safety, electricity, natural gas, water, waste and volatile organic compounds (VOC).

Since Ball's operations significantly impact its overall sustainability performance, we aim to improve our processes and procedures continuously and to increase efficiencies. By introducing innovative technologies supported by our safety and environmental management systems, we have improved our safety track record, reduced energy and water consumption, and diverted more waste to beneficial reuse.

Ball has been recognized globally for our sustainability efforts and achievements. We've been named the industry leader for container and packaging companies on the 2015 Dow Jones Sustainability Indices (DJSI) for the third consecutive year. Ball maintained its best-in-class position on both the DJSI World Index, and the Dow Jones Sustainability Index North America (DJSI NA).

Ball has participated in CDP assessments (formerly Carbon Disclosure Project) since 2007 and has improved its score each year. With a 2015 score of 98 B, Ball achieved one of the best results in its industry sector. The disclosure score (98) assesses the completeness and quality of a company's response. The performance score (B) assesses the level of action, as reported by the company, on climate change mitigation, adaptation and transparency. A group of 822 investors with \$95 trillion in assets uses CDP to identify companies that report reliable, comprehensive information about climate change risks and opportunities.

Ball became a member of the FTSE4Good Index Series on the London Stock Exchange in 2009 and has been confirmed as a member every year since then. The FTSE4Good Index Series measures the performance and facilitates investment into companies that meet globally recognized environmental, social and governance (ESG) standards.



Euronext, the world's largest exchange group, and Vigeo Eiris, a leading European expert in assessing responsible performance, launched a range of socially responsible investment indices in 2013. Ever since then, Ball has been selected as a member of the Euronext Vigeo Eiris US 50 index (last confirmation June 2016). The index comprises the 50 most advanced U.S. companies in the areas of Environmental, Social and Governance performance.

For the third consecutive year, Ball has been selected as a member of the STOXX Global ESG Leader Indices in 2013. STOXX ratings are calculated for three sub-areas: environmental (E), social (S) and governance (G). Ball is one of only two companies in its industry sector in the 2013/2014 STOXX Global ESG Leaders index. In addition, Ball is listed as a member of the STOXX Global ESG Environmental Leaders Index and the STOXX Global ESG Social Leaders Index.

As part of oekom research's Corporate Rating, an assessment of over 100 social and environmental criteria, Ball qualifies as one of oekom's "Prime" companies. Therefore, Ball is eligible to be included in oekom's Prime Universe. Of companies rated by oekom research, only three, including Ball, have achieved Prime status within our industry.

Ball Corporation qualified for inclusion in the 2016 Sustainability Yearbook, published by RobecoSAM, receiving the Industry Leader and Gold Class distinction for the third year in a row. The Yearbook looks at companies' prior year sustainability performance and ranks them as Gold, Silver or Bronze. 2016 marks the sixth year in a row that RobecoSAM included Ball in its book. RobecoSAM, the investment specialist focused exclusively on sustainability investing, has evaluated the sustainability performance of more than 2,000 corporations annually since 1999.

In 2014, Ball Corporation again qualified for Storebrand/SPP's flagship sustainability fund, a global equity fund which invests in the 100 sustainable top performers across sectors that outperform their peers on sustainability.

Newsweek, in partnership with Corporate Knights Capital and leading sustainability experts, ranked Ball third among the largest U.S. companies on overall environmental performance in 2014. The Newsweek Green Rankings evaluate the 500 largest publicly-traded companies in the U.S. by market capitalization and score them based on performance on eight key performance indicators, including: energy productivity, greenhouse gas emissions, water and waste; reputation; sustainability pay link and board committee; and third party verification of environmental metrics.

Maplecroft, a leading source of global risk analysis, has ranked Ball as one of the top 100 Climate Innovation Indexes (CIIs) leaders. The Maplecroft CIIs are an exhaustive study of the USA's largest multinational companies and how they manage and adapt to climate change. Maplecroft set a benchmark of 360 of the largest U.S. companies and the 100 top performing companies in the benchmark were selected as "leaders." Ball ranked 75th in 2012.



As a global company, Ball benefits greatly from exchanging information and best practices among our manufacturing locations. Membership in programs, such as the U.S. Environmental Protection Agency’s “Energy Star” and Department of Energy “Better Buildings, Better Plants,” also provides tools and technical resources to enhance our efforts and allow us to learn from other organizations. Each year, every Ball plant commits to energy efficiency goals supported by detailed action plans. Energy information systems enable us to better understand, manage and report on the performance of energy-consuming operations, and to better benchmark processes so we can identify and exchange best practices.

To drive measureable progress within our operations and hold ourselves accountable for improving our processes, each Ball plant commits to two-year sustainability goals—one goal for each Big 6 metric—as part of our annual strategic planning process. Progress is reported yearly for Ball Aerospace, aggregated as one plant within Ball, and evaluated by senior management within Ball’s Sustainability Steering Committee. For Ball Aerospace, we use a standardized measurement system that enables year-to-year comparisons on Big 6 metrics. The high visibility of our performance with respect to these metrics helps drive accountability, engagement and progress toward our goals.

To support Ball Corporation’s global sustainability efforts, Ball Aerospace sets sustainability goals across the building portfolio in lieu of setting them for individual buildings or municipalities. This allows us to take a broad approach to sustainability and energy reduction. There are not specific goals per building or per industrial complex as defined by the City of Boulder as this sub-optimizes the allocation of resources available to support energy reduction efforts. Sustainability goals are normalized to provide standardized year-to-year comparisons. Ball Aerospace normalizes based on dollars of sales while high production business units’ normalization is based on number of units produced.

Ball Corporation committed to improve greenhouse gas emissions intensity from its operations by 10 percent (compared to a 2010 baseline) and improve energy efficiency by 2 percent. Ball Aerospace’s 2015 energy goals, established in late 2013 for its two-year sustainability commitment to Ball Corporation, was an increase cap of 1.6 percent in electrical consumption over the 2013 baseline and an increase cap of 3.2 percent for natural gas consumption over the 2013 baseline. As previously stated, energy consumption for Ball Aerospace is normalized over sales. The goals are positive because in late 2013, when the 2015 goals were established, sales were forecasted to decrease while the addition of two new buildings was predicted to increase consumption. In fact, our energy consumption per square foot has continually decreased since 2010.

For the reporting year of 2015, Ball Aerospace implemented many energy sustainability projects within its Colorado portfolio:



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- Replaced existing lighting in three cleanrooms in a Boulder, CO building with high efficiency LED fixtures (on EB160 campus)
 - Replaced a domestic water boiler in a Boulder, CO building with a high efficiency domestic water heater (on EB160 campus).
 - Installed controls and systems in three clean rooms to set back the air flow during non-working hours (on EB160 campus)
 - Replaced existing interior office lighting throughout a Boulder, CO building with LED fixtures (not associated with registered campus).
 - Replaced compact fluorescent lights fixtures in a Broomfield, CO building auditorium with LED fixtures (outside of Boulder's jurisdiction).
 - Installed a lighting control panel throughout one floor in a Westminster, CO building to turn off open cubicle area lighting after hours and on weekends (outside of Boulder's jurisdiction).
 - Upgraded all exterior lighting at a Westminster, CO building with high efficiency LED fixtures (outside of Boulder's jurisdiction)