

Boldly Different

2014 CORPORATE SOCIAL
RESPONSIBILITY REPORT

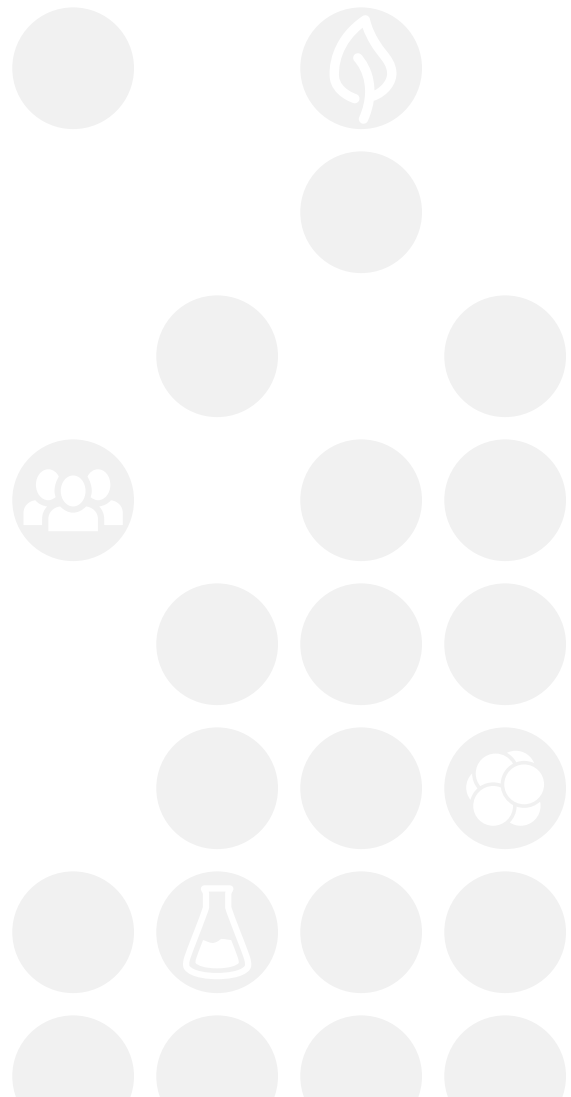
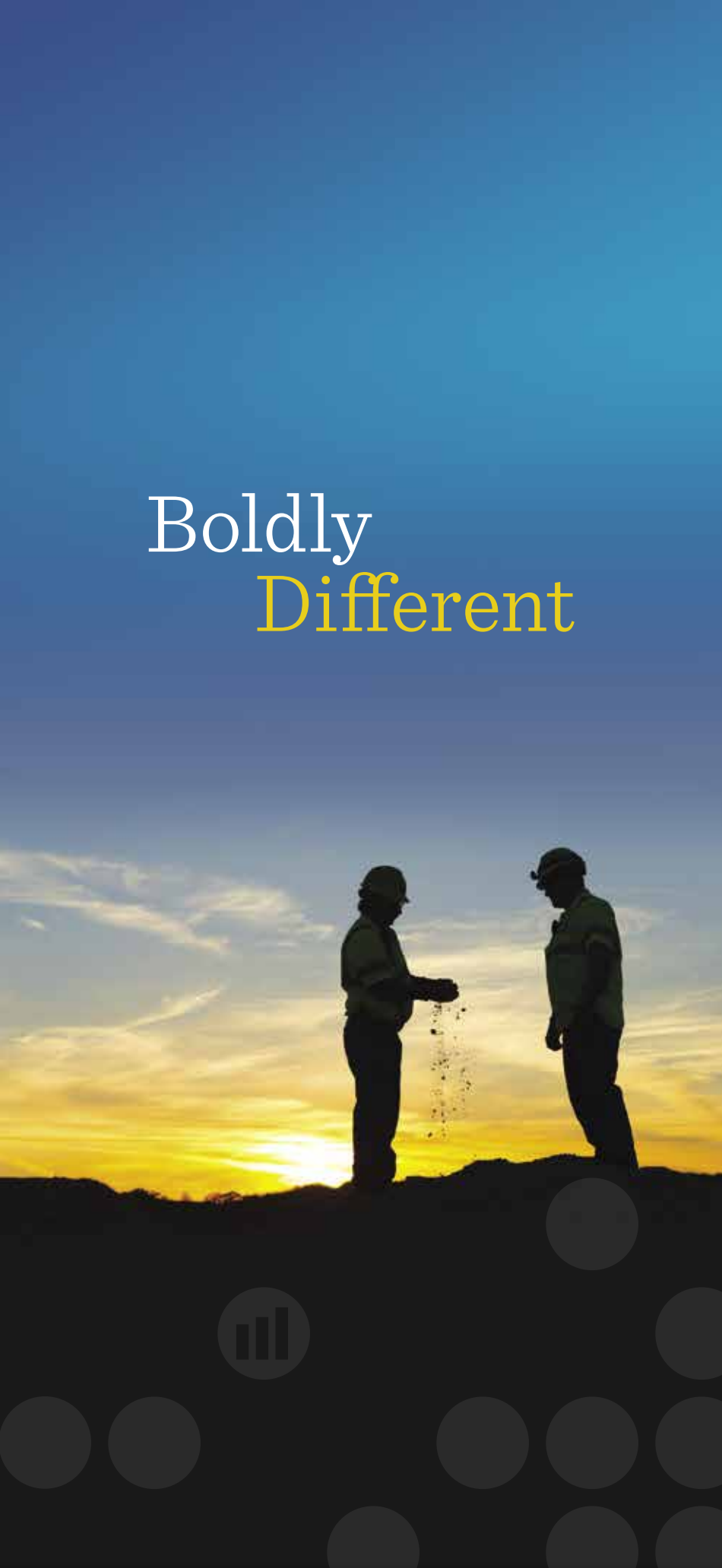


TABLE OF CONTENTS

2 CEO LETTER

About This Report	5
Organizational Profile	5
2014 Performance	10
2015 Bold Goals	12
Stakeholder Engagement and Materiality	14
2014 AI Summit	20

22 PEOPLE

Employer of Choice	23
Best-in-Class Safety	26
Product Health and Safety	29
Community Impact/ Partner of Choice	30
Compliance and Ethical Behavior	32
Stakeholder Education and Influence	33

34

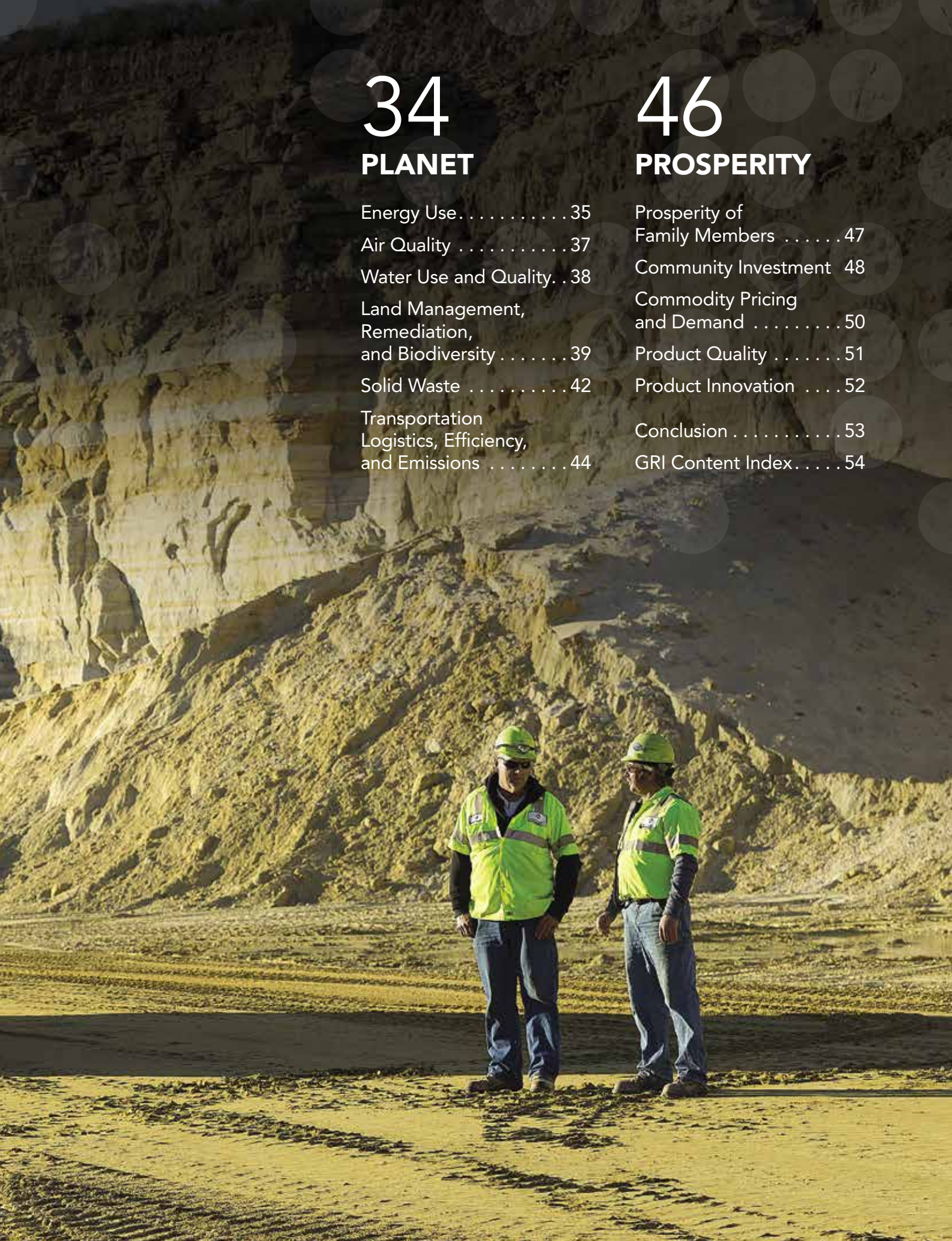
PLANET

Energy Use	35
Air Quality	37
Water Use and Quality	38
Land Management, Remediation, and Biodiversity	39
Solid Waste	42
Transportation Logistics, Efficiency, and Emissions	44

46

PROSPERITY

Prosperity of Family Members	47
Community Investment	48
Commodity Pricing and Demand	50
Product Quality	51
Product Innovation	52
Conclusion	53
GRI Content Index	54





Dear Valued Fairmount Santrol Family Members and Friends,

Welcome to Fairmount Santrol's ninth annual Corporate Social Responsibility Report, entitled *Boldly Different*.

Fairmount Santrol is *Boldly Different* in our strong commitment to all three pillars of sustainable development (SD): People, Planet, and Prosperity. By actively living our motto and action orientation of "Do Good. Do Well.," our Family Members brought Fairmount Santrol to record levels of volumes shipped, profits earned, dollars and hours contributed back to our communities, and environmental targets achieved.

We remain mindful of the current economic environment and, particularly, of the rapidly evolving and challenging market conditions related to commodity prices for oil and natural gas. At the same time, we remain unwavering in our dedication to corporate responsibility and sustainable development. Our steadfast commitment to have a positive impact on society, the environment, and economic health is an integral part of our company's approach to ensuring the long-term growth and prosperity for all of our stakeholders. In this report, you will see a detailed reflection measuring, evaluating, and assessing the sustainable development accomplishments that drove our success in 2014 and strengthened our reputation for being *Boldly Different*.

People

Our Family Members continued to raise the bar on our SD commitment in 2014. Working together, our 13 SD Teams achieved an average of 111 percent of our 2014 Bold Goals. In 2014, we dedicated significant hours (approximately 20,000) to volunteering in our local communities. In our ongoing commitment to safety, we reached one million consecutive safe working hours for the second time in our history. We further united as one corporate family at our fourth Appreciative Inquiry (AI) Summit. Appreciative Inquiry is the collaborative, strengths-based model we use for organizational development by fully engaging all of our stakeholders and by building on the "best" of our organization. At the 2014 AI Summit, we brought together more than 500 Family Members and more than 60 valued stakeholders to learn from one another and to *Boldly* envision our future. During the AI Summit's "Day of Caring," we came together to make a positive impact on our community by donating more than 3,720 hours of service.

CEO LETTER

Planet

In 2014, we brought our number of zero waste facilities up to an impressive total of 18 and have reduced total solid waste more than 90 percent since 2009. We implemented several new capital equipment, technology, and process solutions to enhance energy efficiencies across multiple operating facilities and planted more than 75,000 trees to offset our greenhouse gas emissions to carbon neutrality.

Prosperity

Our commitment to SD inspired us to stay focused on enhancing our reputation as a leading provider of total product solutions and creating operational efficiencies. Over the course of 2014, we launched innovative new products, expanded our logistics capabilities, fully integrated new facilities, and implemented multiple efficiency-gaining best practices. Our global logistics network now includes 52 distribution terminals and more than 9,300 railcars, with an increasing number of unit trains shipped.

In the fall, we completed an initial public offering and our shares began trading on the New York Stock Exchange (NYSE: FMSA). Since becoming a public company, we have been asked if our commitment to sustainable development will endure. The answer is simple: "Yes." SD is one important factor in making Fairmount Santrol *Boldly Different*. Our Family Members are deeply engaged in our commitment to exceed all expectations while fulfilling our economic, social, and environmental responsibilities. Their engagement drives efficiency, innovation, hard work, commitment, and ultimately financial value and prosperity. We will continue to do what we always do, be *Bold* and lead by example.

Thank you to our Family Members for helping to propel our success in 2014, and we look forward to what we—*Boldly*—will accomplish in 2015 and beyond.

With best regards and on behalf of the entire Fairmount Santrol Family,



Jenniffer Deckard
President and Chief Executive Officer

DO GOOD.
do well.

FMSA VOLUME SHIPPED (THOUSANDS OF TONS)

2012	6,140
2013	7,579
2014	9,614

FMSA FUTURE SAND RESERVES (THOUSANDS OF TONS)

Values reflect prior year end.

2012	316,036
2013	343,855
2014	798,195
2015	807,624

TERMINALS IN FMSA FOOTPRINT

Includes owned, leased, and contracted terminals.

2012	27
2013	33
2014	52

NUMBER OF UNIT TRAINS SHIPPED

2012	10
2013	56
2014	129





During our fourth and largest Appreciative Inquiry (AI) Summit held in August 2014, Family Members and stakeholders came together to reflect on our strengths and dream *Boldly* about our future. This continues our collective commitment to the three pillars of sustainability—People, Planet, Prosperity—or more simply, what we call our collective commitment to “Do Good. Do Well.”

About This Report

G4-23

We are proud to present our ninth annual Corporate Social Responsibility (CSR) Report, in which we have transitioned from the Global Reporting Initiative (GRI) G3.1 Guidelines to GRI G4 Guidelines for a core level report. For our Family Members, 2014 was a year defined by significant change and record results. We adopted the name Fairmount Santrol to better reflect the combined strengths of our Fairmount Minerals and Santrol brands, and completed our initial public offering (NYSE: FMSA).

This past year, our 13 Sustainable Development (SD) Teams created and exceeded numerous Bold Goals, driving forward momentum and savings across our business. During our fourth and largest Appreciative Inquiry (AI) Summit in August 2014, Family Members and stakeholders came together to reflect on our strengths and dream *Boldly* about our future. Many of the initiatives and outcomes of the Summit are being incorporated into our SD Teams. This continues our collective commitment to the three pillars of sustainability—People, Planet, Prosperity—or more simply, what we call our collective commitment to “Do Good. Do Well.”

Beginning at the AI Summit and continuing into fourth quarter 2014, we engaged internal and external stakeholders in a materiality assessment to determine the most significant SD topics for Fairmount Santrol to manage. Industry research and stakeholder engagement enabled us to prioritize SD topics based on their current and potential impacts, risks, and leadership opportunities. A detailed description of the assessment process and results is included in these pages. In this report we show our 2014 Bold Goals and progress, our 2015 Bold Goals, and how we manage our most significant SD topics.

Organizational Profile

What Makes Us Different

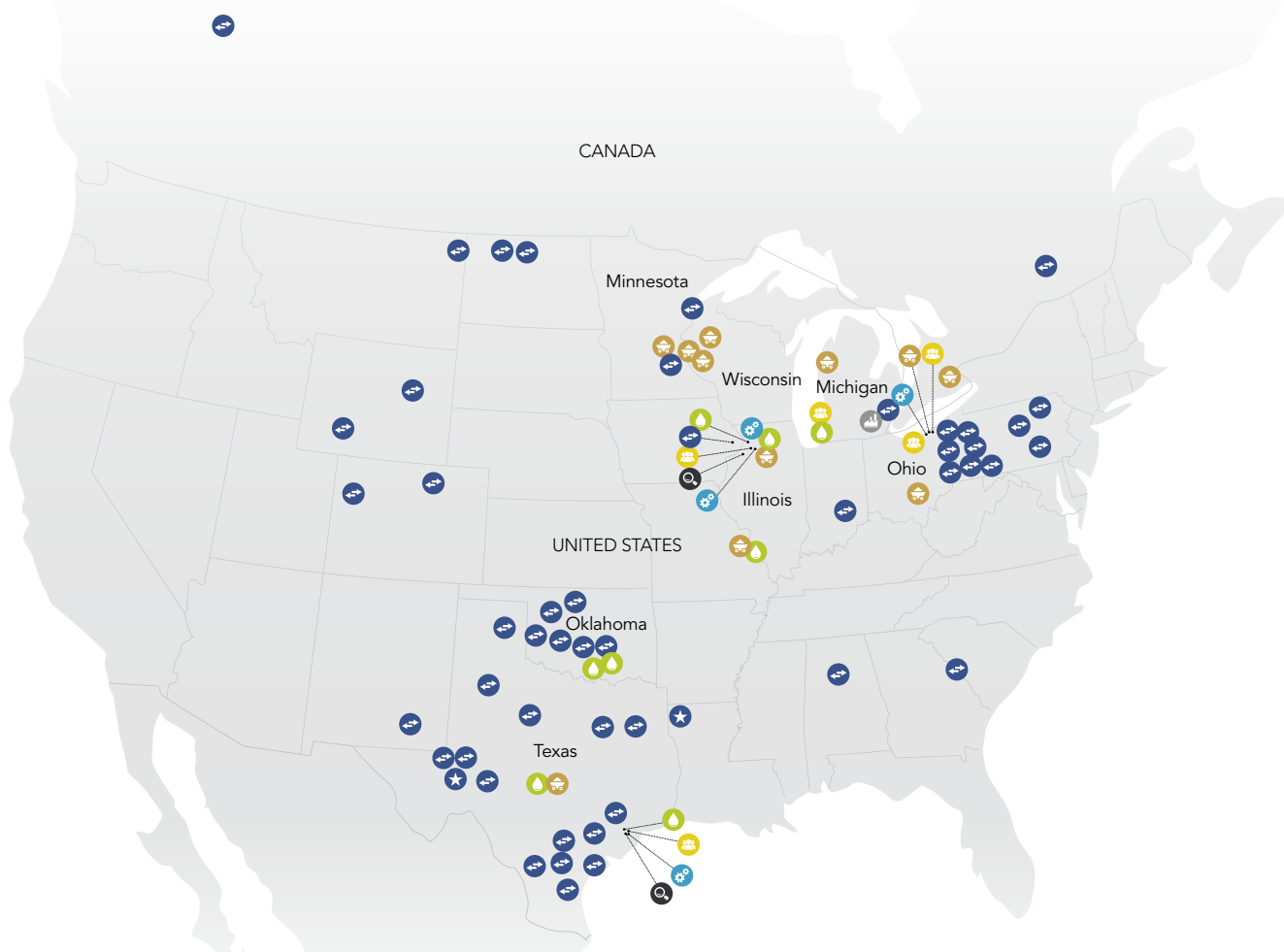
G4-4, G4-8

Headquartered in Chesterland, OH, Fairmount Santrol (NYSE: FMSA) is a leading provider of high-performance sand and sand-based products used by oil and gas exploration and production companies to enhance the productivity of their wells. We also provide high-quality products, strong technical leadership, and applications knowledge to end users in the foundry, building products, water filtration, glass, and sports and recreation markets.

Fairmount Santrol is a world-leading expert in the science and art of transforming sand into value-added products whose performance exceed ordinary expectations. We are values driven and customer focused with strategically located facilities in North America, Europe, and Asia, supported by a global distribution and customer support network. Our global logistic capabilities include a wide-ranging network of distribution terminals and thousands of railcars that allow the company to effectively serve customers wherever they operate.

Fundamental to our mission, vision, and culture, Fairmount Santrol embraces the principles of sustainable development (SD). We continue to make *Bold* investments in our people, our business partners, our communities, and our environmental stewardship programs that secure our ability to operate and create a bright future for our business and the communities where we live and work.

MAP OF OPERATIONS



 MINING AND PROCESSING

 COATING OPERATIONS

 SPECIALTY PRODUCTS

 RESEARCH AND DEVELOPMENT

 ADMINISTRATIVE OFFICES

 RESIN MANUFACTURING

 DISTRIBUTION TERMINALS

 MORE THAN ONE DISTRIBUTION
TERMINAL IN THE SAME CITY

A full listing of our locations by city is available online at fairmountsantrol.com/locations.

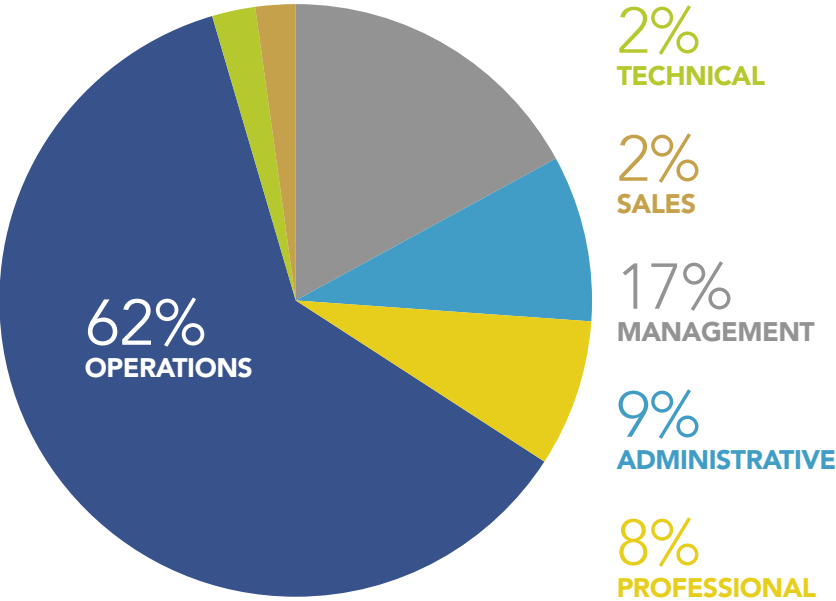
G4-6, G4-8, G4-10, G4-11

EMPLOYEES BY COUNTRY

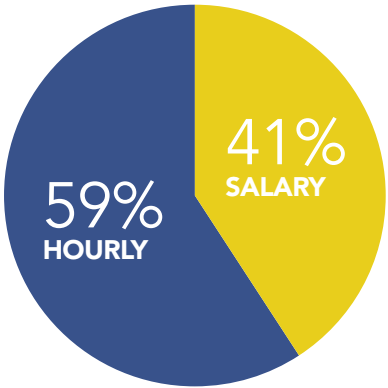
LOCATION	EMPLOYEES
United States	1,129
Canada	6
Denmark	9
China	20
Mexico	66
TOTAL	1,230

1,230
FAIRMOUNT SANTROL
FAMILY MEMBERS

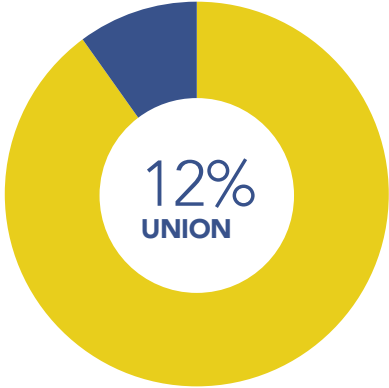
EMPLOYEES BY ROLE*



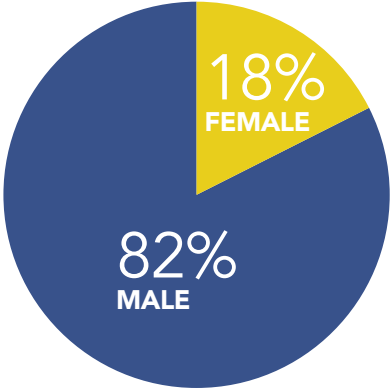
EMPLOYEES BY CATEGORY



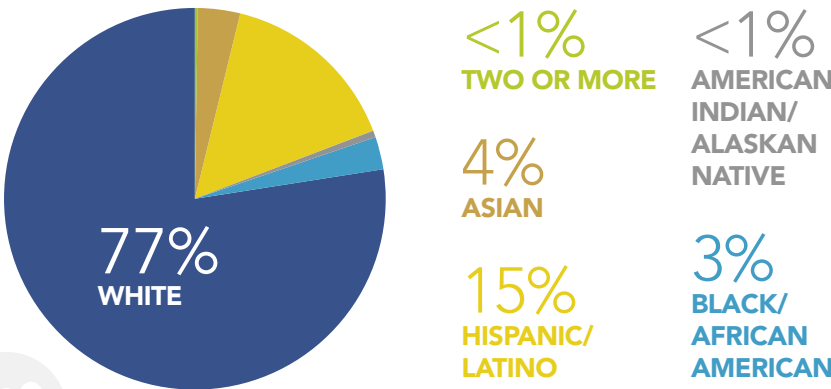
UNION EMPLOYEES*



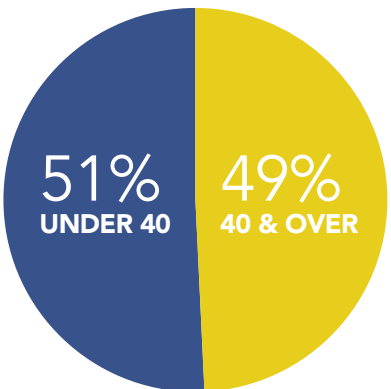
EMPLOYEES BY GENDER



EMPLOYEES BY ETHNICITY



EMPLOYEES BY AGE



*Domestic only. Numbers do not include Canada, Denmark, China, and Mexico.



Mission

We, the Fairmount Santrol Family, are united in our commitment to exceed all expectations while fulfilling our economic, social, and environmental responsibilities.

Corporate Governance

G4-34

Our Board of Directors is made up of nine members. Board members provide expertise and guidance through participation on the Audit, Nominating and Governance, Compensation, and Executive Committees. The Board supports Fairmount Santrol's commitment to sustainable development (SD), seeing it as foundational to our culture and continued growth. Therefore, the Board actively guides SD decisions and monitors progress.

Sustainable development is central to our company strategy, therefore we have a full-time SD Director and 10 Regional SD Coordinators to advance and coordinate efforts in our various locations. Additionally, an SD Advisory Committee—comprised of 14 leaders from across the business—oversees initiatives and the setting and measurement of SD Goals.

Fairmount Santrol and our Board of Directors are committed to sound corporate governance practices and conducting business activities according to the highest ethical standards. In carrying out this responsibility, the Board has adopted corporate governance guidelines in accordance with the rules of the New York Stock Exchange, as well as a code of business conduct and ethics applicable to employees, directors, and officers. Our policies are publicly available on investors.fairmountsantrol.com/investor-relations.

DID YOU KNOW?



Our Board of Directors is made up of nine members who actively guide our SD decisions and monitor our progress.

Partners and Collaboration

G4-16

Through our commitment to SD, we have joined industry associations and formed partnerships instrumental to the development of meaningful community investment and engagement initiatives, product innovation, health and safety advancements, and industry-wide best practices. Our Family Members have assumed leadership roles with the American Foundry Society, the Industrial Minerals Association – North America, and the Wisconsin Industrial Sand Association, among others. Through governance and committee positions, Fairmount Santrol leaders are working to improve industry standards, encourage the adoption of SD initiatives, learn about innovation opportunities, and increase education and transparency around sand mining practices.

SAMPLE OF OUR VALUED PARTNERS

- American Chemistry Council Crystalline Silica Panel
- American Foundry Society
- American Institute of Chemical Engineers
- American Petroleum Institute
- American Society for Quality
- American Society of Safety Engineers
- American Water Works Association
- Casting Industry Supplier Association
- Conestoga Foundry Association
- Corporate Sustainability Network at Cleveland State University
- Ductile Iron Society
- Dunn County Economic Development Corporation
- Foundry Association of Michigan
- Foundry Educational Foundation
- Fowler Center for Business as an Agent of World Benefit at Case Western Reserve University
- Golf Course Builders Association of America
- Golf Course Superintendents Association of America
- Greater Cleveland Partnership
- Industrial Energy Consumers Association
- Industrial Minerals Association – North America
- Institute for Sustainable Business at Baldwin Wallace University
- International Society of Mine Safety Professionals
- Marcellus Shale Coalition
- National Association of Manufacturers
- National Freight Transportation Association
- National Industrial Sand Association
- National Safety Council
- North American Rail Shippers Association
- Ohio Cast Metals Association
- Ohio Parks and Recreation Association
- Pennsylvania Foundry Association
- Pennsylvania Parks and Recreation Association
- Pierce County Economic Development Corporation
- Saving Birds Thru Habitat
- Society for Human Resource Management
- Society for Mining, Metallurgy and Exploration
- Society of Chemical Manufacturers and Affiliates
- Society of Petroleum Engineers
- Synthetic Turf Council
- Texas Cast Metals Association
- United Nations Global Compact
- U.S. Business Council for Sustainable Development
- Water Environment Federation
- Western Reserve Land Conservancy
- Wildlife Habitat Council
- Wisconsin Industrial Sand Association
- Wisconsin Partners for Clean Air
- Women’s Energy Network

AWARDS AND RECOGNITION

Our SD commitments and efforts are being recognized. We received these awards in 2014:

- 2014 Silver Award for Resource Management and Waste Minimization from the Society of Chemical Manufacturers and Affiliates (SOCMA) presented to Detroit, MI
- 2014 Sustainability Award from SOCMA presented to Detroit, MI
- 2014 Large Business of the Year Award from the McCulloch County Chamber of Commerce presented to Voca, TX
- 2014 Gold Certificate of Achievement in Environmental Excellence from the Illinois Association of Aggregate Producers (IAAP) presented to Wedron, IL
- Community Relations Award from IAAP presented to Wedron, IL
- Green Masters Award from the Wisconsin Sustainable Business Council presented to all of our Wisconsin operations

2014 Performance

Our 13 volunteer-based Sustainable Development (SD) Teams, 10 Regional SD Coordinators, the SD Director, the SD Advisory Committee, the Board of Directors, and indeed, all Fairmount Santrol Family Members moved the organization forward in 2014, a record breaking year in terms of production, profit, and growth, to continue to positively impact People, Planet, and Prosperity. Our impacts are tangible and intangible, some easy to measure, others more challenging to measure. Beyond sales, revenue, energy savings, waste reduction, hours volunteered, charitable donations, taxes and overhead, there is also the impact we have on local communities, our competitors, our customers, our suppliers, our industry, and the world. Our commitment to People, Planet, and Prosperity influences those around us. Here are some highlights:

People: Safety continues to be our top priority, as evidenced by our ability to exceed industry averages for Lost Time Incident Rate (LTIR) and Total Case Incident Rate (TCIR). We achieved a company-best TCIR average in 2014. In addition, our Family Members dedicated approximately 20,000 volunteer hours to community organizations.

Planet: We increased the number of zero waste to landfill facilities from 10 to 18 and continued to make significant strides in reducing our freshwater intake, in particular in Wisconsin, where we have implemented several closed-loop recycled water systems over the last few years. Additionally, we implemented several new capital equipment, technology, and process solutions to enhance energy efficiencies across multiple operating facilities and planted enough trees to offset our Scope 1 and Scope 2 greenhouse gas (GHG) emissions.

Prosperity: Our SD investments not only positively impact our people, our communities, and the planet, they also drive prosperity for our business through cost savings and added revenue. We refer to this as




SD PAYS











Facilities	\$4,800,000
SD Teams	\$7,500,000
TOTAL SD PAYS	\$12,300,000
SD Expenses	\$7,000,000
NET SD PAYS	\$5,300,000

“SD Pays.” Throughout our history, we have been committed to showing the tangible ways that SD initiatives have a positive financial benefit. As a part of the evolution of our commitment, we formed the SD Pays Standardization Committee to determine which projects create SD Pays, how to calculate project value, and what SD-related expenses to include in the final figure. We are grateful for the Committee’s work and know that this new system will continue to be refined.

2014 BOLD GOALS

 In Progress  Complete

TEAM	2014 BOLD GOAL	STATUS	COMPLETION DESCRIPTION
Best Practice	Implement six best practice productivity projects highlighting standardization, technology, or organizational emphasis, and achieve a minimum of \$100,000 in SD Pays.		Completed seven projects with SD Pays of >\$4,327,000.
Business Innovation	Cultivate a culture of innovation at the facility level through a media campaign, innovation tool box, and facility outreach.		Completed the innovation toolbox and gave a presentation at all facilities (97% overall).
Clean Water	Document water management plans for the four facilities that currently do not have one. Conduct six water workshops. Complete two items in existing management plans. Achieve SD Pays of \$10,000.		Completed seven water management plans, 22 water workshops/education sessions, 15 review sessions and achieved >\$66,000 in SD Pays.

TEAM	2014 BOLD GOAL	STATUS	COMPLETION DESCRIPTION
Communications and Appreciative Inquiry (AI)	Reach 25% of Family Members on the culture of AI before the AI Summit. Solicit the assistance of Dr. David Cooperrider and Dr. Ron Fry of Case Western Reserve University in developing the curriculum.		Developed a two-hour AI training and completed in-person training sessions with more than 600 Family Members, ~50% of our total population.
Environmentally Responsible Products and Processes	Work across functional groups to manage the development and implementation of one to three products or process improvements that will show an SD Pays of \$300,000. Engage one key supplier.		Completed one project reducing additives in our resins, with savings >\$479,000. Engaged one key supplier.
Empower U (Formerly "FML YOU")	Offer one new course in each of the three disciplines (Development for YOU (AI), Electronic Enhancement (PowerPoint), and FMSA Business (Sand 101). Have 650 Family Members participate in a current or past offering.		<p>Created and offered these courses:</p> <ul style="list-style-type: none"> • YOU and AI • PowerPoint 2010 • Welding 101 • Sand 101 <p>Met participation goals at 28 of 42 facilities and >650 Family Members participated.</p>
Health and Wellness	Create, support, and sustain a healthy work environment by implementing an enhanced Wellness Enrichment Evaluation at all facilities and improving the Wellness Score by 10% to reach and maintain 100% at each location. Conduct two wellness challenges with at least 40% participation.		Conducted two wellness improvement audits at all facilities. Improved the aggregate Wellness Score by 20%. Achieved >20% increase at 21 out of 42 facilities. Realized 40% participation in the two wellness challenges.
Quest for Eco-Efficiency	Eliminate 1% and sequester 1% of 2013 GHG emissions through energy efficiency and tree planting. Conduct three facility energy audits.		Reduced GHG emissions due to Maxsys, the Troy Grove bucket elevator, and the Chardon power factor capacitors. Planted >75,000 trees to sequester 103% of our Q4 2012–Q3 2013 Scope 1 and 2 GHG emissions, with 8% planted by the team. Conducted energy audits at four locations.
Recover, Recycle, Reuse	Continue reducing waste to landfill, making additional progress against the 2009 baseline. Increase the number of facilities that are zero waste to landfill.		Achieved nearly a 90% reduction in waste to landfill from the 2009 baseline by the end of 2014. Reached zero waste to landfill at 18 facilities. Entered into a corporate agreement with a waste-to-energy company.
Safety	Exceed the industry average for Total Case Incident Rate (TCIR) and our best recorded year for TCIR. Surpass the industry's average Lost Time Incident Rate (LTIR) and our best recorded year for LTIR.		Met three of the four goals, exceeding LTIR and TCIR industry averages and our best year for TCIR (75% overall).
Social Responsibility	Increase the paid volunteer time average by increasing the average hours per facility using the 2013 facility paid volunteer time average as the baseline for this goal.		Had 23 facilities increase their paid volunteer time averages. Recorded paid volunteer time totaled almost 16,000 hours, not including the 3,720 AI Summit volunteer hours, with a total of ~20,000 (91% overall).
Sustainable Mobility	Establish historical baseline for utilization of rail cars based on car size, route, and order size. Track any overloads and associated costs—potential to identify control matters such as rail scales for accuracy. Increase loading from 100 tons per rail car to maximum allowable per route.		Established baseline, increased loading to maximum allowable per route, and achieved >\$1,130,000 in SD Pays.
Sustainable Value Chain	Establish drawings, specs, and usage patterns for pallets, bulk bags, etc., at all North American plants, generating \$50,000 in SD Pays.		Developed specification books and generated >\$347,000 in SD Pays.

2015 Bold Goals



In 2015, our Sustainable Development Teams have again *Boldly* committed to adding value to the business through innovation, process improvements, resource reduction strategies, sharing best practices, and volunteering in our communities. These types of developments continue to strengthen our business and our communities.

In addition to these 2015 goals, we will reflect on the results of our materiality assessment, explained in the next section, to determine ways to strengthen the strategic nature of our commitment to sustainability.

TEAM	2015 BOLD GOAL DESCRIPTION
Best Practice	Implement eight best practice productivity projects highlighting organization, standardization, and technology, and achieve a minimum of \$2,000,000 in SD Pays by the end of 2015. At least two of the eight best practice projects must come from the Business Innovation Team.
Business Innovation	Drive five innovative ideas through the Stage Gate process to at least the Development stage, the fourth of seven stages.
Clean Water	<p>Improve water use at facilities and educate our Family Members and communities on water conservation:</p> <ul style="list-style-type: none"> • Share five best practices at our offices, manufacturing sites, and mine operations • Add two initiatives to enhance each facility's water management plan and monitor SD Pays • Document and track opportunities for water reuse/reduction through our engineering and product development activities • Educate our Family Members through informative activities at five regional Health and Wellness Fairs with the goal of reaching 150 Family Members • Investigate two water-focused NGO foundation partner projects • Conduct five community educational outreach events
Communications and Appreciative Inquiry (AI)	<p>Continue to foster an Appreciative Inquiry culture:</p> <ul style="list-style-type: none"> • Design and implement an AI Supervisor Training Program • Design and implement an AI module for the New Hire Orientation <p>Deliver AI Supervisor Training to a minimum of 50% of managers/supervisors and deliver AI presentations to 100% of new hires in 2015.</p>
Environmentally Responsible Products and Processes	Introduce at least one environmentally responsible product or improve at least one existing product to be more environmentally responsible. Implement or improve at least one new process to be more environmentally responsible. Achieve a total annualized SD Pays of \$300,000.



TEAM	2015 BOLD GOAL DESCRIPTION
Empower U (Formerly "FML YOU")	Enhance personal and professional development by achieving a minimum of 70% participation in a Financial Wellness course, Total Training Network (TTN) 2015 courses, or past course offerings.
Health and Wellness	Improve or maintain participating members' wellness scores and establish a fit-friendly environment baseline at each FMSA location. Maintain or improve the average wellness score of 88 in the low-risk group; improve the average moderate-risk category to 75, and improve the average high-risk category score to 48 against 2014 baselines. Establish fit-friendly environment baseline at every location in the U.S. and Mexico.
Quest for Eco-Efficiency	<p>Sequester and eliminate GHG emissions and complete conservation projects.</p> <ul style="list-style-type: none"> Plant 120,000 trees for sequestration of GHG emissions from Q4 2013–Q3 2014; Family Members will plant 10% of the total Submit a Capital Expense Request (CER) for one large-scale energy efficiency project that would eliminate 1% of FMSA's 2014 GHG emissions; payback must be less than five years; must get approval for CER and the work must commence in 2015 or 2016 Complete three conservation projects
Recover, Recycle, Reuse	<p>Help all legacy facilities (previously tracked facilities) reach zero waste to landfill by year end. Non-legacy facilities (newly acquired facilities) will have two years to reach zero waste to landfill. Tracking begins the following January 1 after acquisition.</p>
Safety	<p>Achieve the following five-part goal:</p> <ol style="list-style-type: none"> Better than Industry Lost Time Incident Rate (LTIR) Better than our best year Lost Time Incident Rate (LTIR) Better than Industry Total Case Incident Rate (TCIR) Better than our best year Total Case Incident Rate (TCIR) Three completed tactics
Social Responsibility	<p>Increase the amount of paid volunteer time throughout Fairmount Santrol at these rates:</p> <ul style="list-style-type: none"> If facility 2014 average was >15, achieve 20 hours/employee If facility 2014 average was 10–14 hours, achieve 15 hours If facility 2014 average was nine hours or less, achieve 10 hours If new facility, achieve eight hours <p>All Fairmount Santrol facilities included except Denmark.</p>
Sustainable Mobility	Increase total rail car utilization across the company by 1.5%.
Sustainable Value Chain	Benchmark critical raw material suppliers' Sustainable Development score (based on the current SD survey or an updated survey) and work with the suppliers to improve their scores, resulting in an average improvement of 15%.



SDTEAMS
BOLDLY COMMIT TO
**ADDING
VALUE**
TO OUR BUSINESS

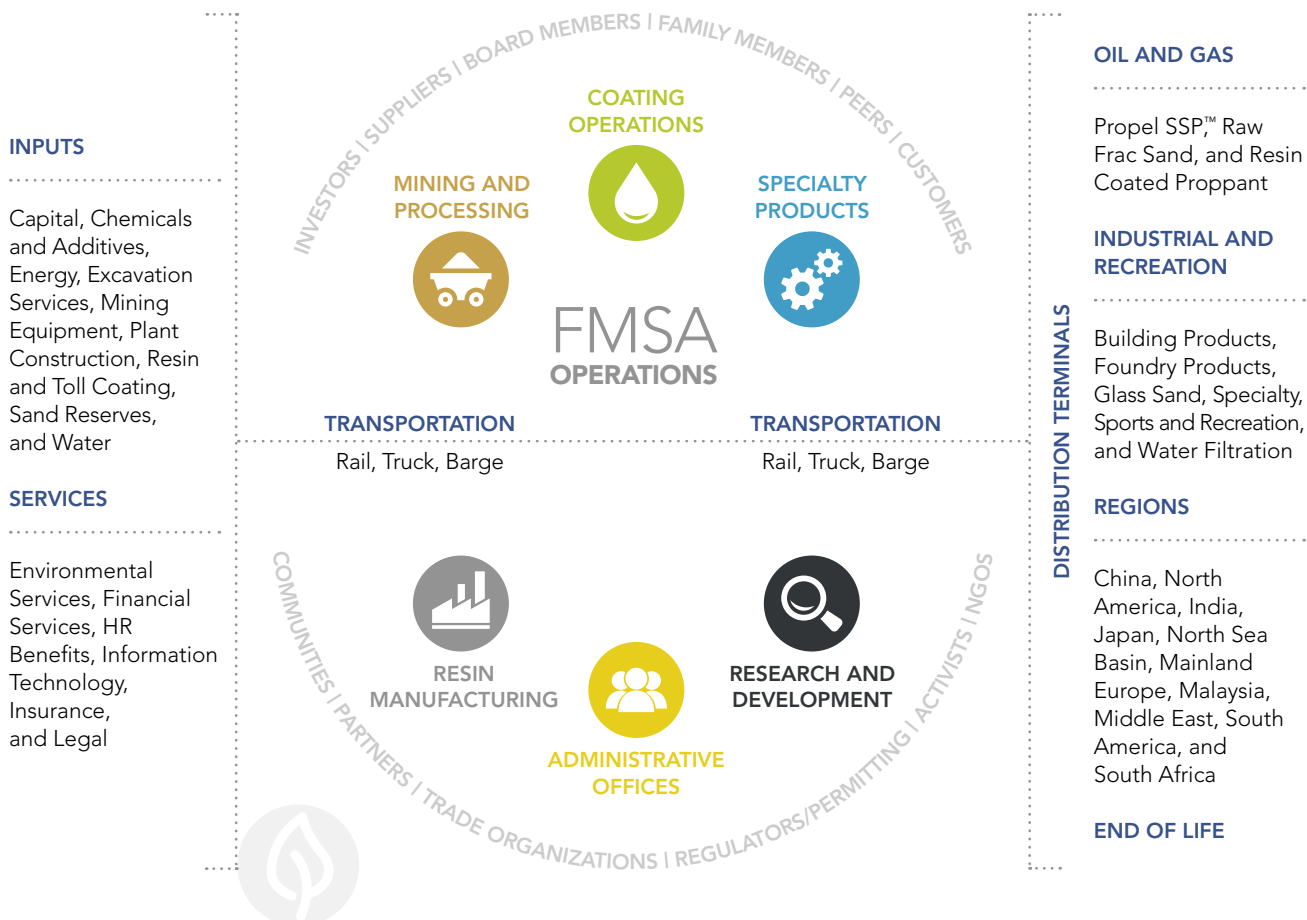
Stakeholder Engagement and Materiality

G4-12, G4-18

The knowledge and perspectives of our Family Members and external stakeholders have been, and will continue to be vital in shaping our company and future. Since 2005, we have held an Appreciative Inquiry (AI) Summit every three years where we bring together Family Members, customers, and a strong representation of our valued external stakeholders to help shape our sustainable future. We held our fourth AI Summit in 2014, which was facilitated by our partners Dr. David Cooperrider and Dr. Ron Fry of Case Western Reserve University. Almost 500 Family Members representing every functional area within our business and almost 60 external stakeholders united near Chicago, IL, to define our collective values and strengths. At the AI Summit we dedicated our time to *Boldly* co-creating our vision for the future and defining the steps necessary to realize it. Discussions begun at the Summit are a powerful accelerant to our collaborative, driven culture and support our endeavor to be leaders in SD. The AI Summit led to the growth of our 13 SD Teams with approximately 90 additional Family Members joining an SD Team.

Beyond the valuable input from the AI Summit, Fairmount Santrol invested in a robust materiality assessment in the fourth quarter of 2014 to prioritize the SD topics of greatest interest to both our organization and stakeholders. We focused specifically on our significant economic, environmental, and social impacts, risks, and opportunities across our value chain (shown below) that could substantially influence the decisions of stakeholders. The process of identifying and prioritizing topics involved several steps shown at the right.

VALUE CHAIN



MATERIALITY ASSESSMENT PROCESS

APPRECIATIVE INQUIRY (AI) SUMMIT	In August 2014, more than 500 Family Members and nearly 60 external stakeholders attended our three-day AI Summit. During the AI Summit, our Family Members discussed strengths and values that we should continue to use and build upon, as well as ideas for taking our SD commitment to the next level. The strengths, values, and 17 forward-looking high-priority topics were used as a critical input to the materiality assessment.
BENCHMARKING	We benchmarked industry and aspirational peers to compare and contrast focus areas. We also benchmarked sustainability topics discussed by our top 10 customers in oil and gas industry, and in the industrial and recreational markets.
RESEARCH	<p>Expansive research was conducted to determine material topics in the mining and manufacturing industries, as well as the oil and gas industry. Sources included:</p> <p>Mining and Manufacturing Industries:</p> <ul style="list-style-type: none"> • Global Reporting Initiative (GRI) G4 Mining Sector Supplement • Governance & Accountability (G&A) Institute • International Council on Mining and Metals (ICMM) Sustainable Development Principles • Industrial Minerals Association – North America (IMA-NA) • National Association of Manufacturers (NAM) • National Mining Association (NMA) • Sustainability Accounting Standards Board (SASB) <p>Oil and Gas (Customer) Industry:</p> <ul style="list-style-type: none"> • G&A Institute • GRI Oil and Gas Sector Supplement • SASB Oil and Gas Industry Standards <p>We also invested in third-party research to learn of media topics relevant to our business and about the significant impacts in our value chain based on publicly available life cycle assessments (LCAs), respectively.</p>
IMPACT MAPPING	A cross-functional group of 24 senior leaders came together to discuss benchmarking and research results. The group then identified significant economic, environmental, and social impacts, risks, and opportunities across our value chain. The 35 topics identified were outlined and individually rated on importance in terms of distinguishing Fairmount Santrol as a leader in both the industry and sustainable development.
EXTERNAL STAKEHOLDER INTERVIEWS	More than 40 external stakeholders were interviewed for their perspectives on which SD topics are most important to proactively manage. These included oil and gas customers, industrial and recreational customers, chemical suppliers, transportation suppliers, community members, industry associations, regulatory authorities, and experts in the fields of mining and transportation.
BOARD MEMBER INTERVIEWS	Six of our nine board members participated in interviews to describe the highest-priority SD topics that both add value and mitigate risk.
VALIDATION WORKSHOP	In December 2014, the SD Advisory Committee, comprised of 14 senior leaders from across the business, discussed the results of the materiality assessment and validated the prioritization of the material topics.

Fairmount Santrol identified stakeholders to engage in the materiality assessment based on one or more of these criteria:

- Have a deep knowledge of Fairmount Santrol
- Influence Fairmount Santrol's operations and prosperity
- Are significantly impacted by Fairmount Santrol's operations and prosperity
- Possess expertise related to industry and/or sustainability topics relevant to Fairmount Santrol
- Have the ability to collaborate with Fairmount Santrol to address key impacts, risks, and opportunities

Through robust research, benchmarking, and stakeholder engagement, the following topics surfaced as most critical to actively manage:

MATERIAL TOPICS: PEOPLE

Below is the definition and boundary for each material topic, defined through our research and conversations with internal and external stakeholders.

BEST-IN-CLASS SAFETY	Providing Family Members with proper safety training and reminders, equipment, and safe working conditions; having emergency preparedness and response plans. Boundary: all internal operations; external operations: on-site suppliers and contractors in our areas of operation.
EMPLOYER OF CHOICE	Providing Family Members with best-in-class training and education, personal and career development, and health and wellness assistance; empowering Family Members to make a difference at work, in their own lives, and in the world through SD and volunteerism. Boundary: all internal operations.
COMPLIANCE AND ETHICAL BEHAVIOR	Complying with environmental and social compliance at local through federal levels; making ethical and responsible decisions in daily practices, adhering to governance policies. Boundary: all internal operations.
PRODUCT HEALTH AND SAFETY	Having proper equipment in place to manage silica dust; providing Family Members and customers with communication/training on proper use of products and dust management techniques to prevent silicosis; chemical exposure and disclosure; green chemistry initiatives and/or certification—reducing or eliminating chemicals of concern. Boundary: internal operations in which products are created and handled; external operations: customer operations globally, communities in our areas of operation.
COMMUNITY IMPACT AND PARTNER OF CHOICE	Managing our impact on communities in which we operate, including resettlement, truck traffic, noise, and blasting impacts; engaging in dialogue with local communities to enable permitting and develop an ongoing positive relationship; being present, accessible, transparent, and proactive in explaining SD practices and addressing concerns. Boundary: external operations: communities in our areas of operation.
STAKEHOLDER EDUCATION AND INFLUENCE	Educating and supporting suppliers, customers, peers, partners, and local businesses in the adoption of sustainable practices; educating investors about our commitment to SD and its value. Boundary: external operations: suppliers, customers, peers, partners, investors, and businesses in our areas of operation and globally.

MATERIAL TOPICS: PLANET

AIR QUALITY	Reducing GHG emissions, nitrogen oxides, sulfur dioxide, volatile organic compounds, and particulate matter (e.g., dust) emitted from our operations; frequency of internal and third-party testing. Boundary: internal manufacturing and mining operations; external operations: communities in our areas of operation.
TRANSPORTATION LOGISTICS, EFFICIENCY, AND EMISSIONS	Fulfilling customer demand/orders accurately and on time; planning for, securing, effectively executing efficient and reliable transportation. Managing utilization of railcars, trucks, and barges—filling to maximum capacity and reducing excess transportation; reducing GHG emissions, nitrogen oxides, sulfur dioxide, volatile organic compounds, and particulate matter released from transporting products. Boundary: internal transportation and logistics operations; external operations: supplier and transportation carrier operations.
WATER USE AND QUALITY	Reducing the withdrawal of fresh water for use in operations; increasing the use of recycled water; managing impacts on ground water and surface water supply; managing the quality of water output from mines and facilities that drain toward local surface water and ground water resources; protecting local aquifers from damage or contamination; frequent internal and third-party testing. Boundary: internal manufacturing and mining operations; external operations: communities in our areas of operation.
SOLID WASTE	Reducing solid and hazardous waste; reducing waste sent to landfill; managing proper disposal of hazardous waste and waste sand; reducing packaging waste. Boundary: internal manufacturing and mining operations; external operations: communities in our areas of operation.
LAND MANAGEMENT, REMEDIATION, AND BIODIVERSITY	Preventing, managing, and remediating damage to natural habitats resulting from mining activities; positively impact species diversity and their ability to thrive during mining operations and post-closure. Boundary: internal mining operations; external operations: communities in our areas of operation.
ENERGY USE	Reducing energy consumption; adopting renewable and non-renewable sources of energy. Boundary: internal operations; external operations: communities in areas of operation.

MATERIAL TOPICS: PROSPERITY

COMMUNITY INVESTMENT	Hiring from local communities, using local suppliers, investing in local infrastructure, giving financial donations to local organizations, volunteering time to enhance local communities, deeding acreage, and contributing to sustainable communities beyond closure. Boundary: external operations: communities in our areas of operation.
PRODUCT INNOVATION	Solving customer challenges and investing in innovation and technologies that advance sustainable products and practices. Boundary: internal research and development operations; external operations: customer operations globally.
PROSPERITY OF FAMILY MEMBERS	Providing economic prosperity for Family Members through competitive wages, benefits, and profit sharing; providing the opportunity for meaningful work and long tenure. Boundary: all internal operations.
COMMODITY PRICING AND DEMAND	Foreseeing, planning for, and managing the impacts from fluctuating prices and demand for oil and gas, and sand. Boundary: all internal operations; external operations: customer operations globally.
PRODUCT QUALITY	Providing consistent, high-quality products with proper handling/storage to minimize any degradation of product quality. Boundary: internal manufacturing and mining operations; external operations: customer operations globally.

MATERIALITY MATRIX IN ORDER OF HIGHEST IMPACT/IMPORTANCE

PEOPLE

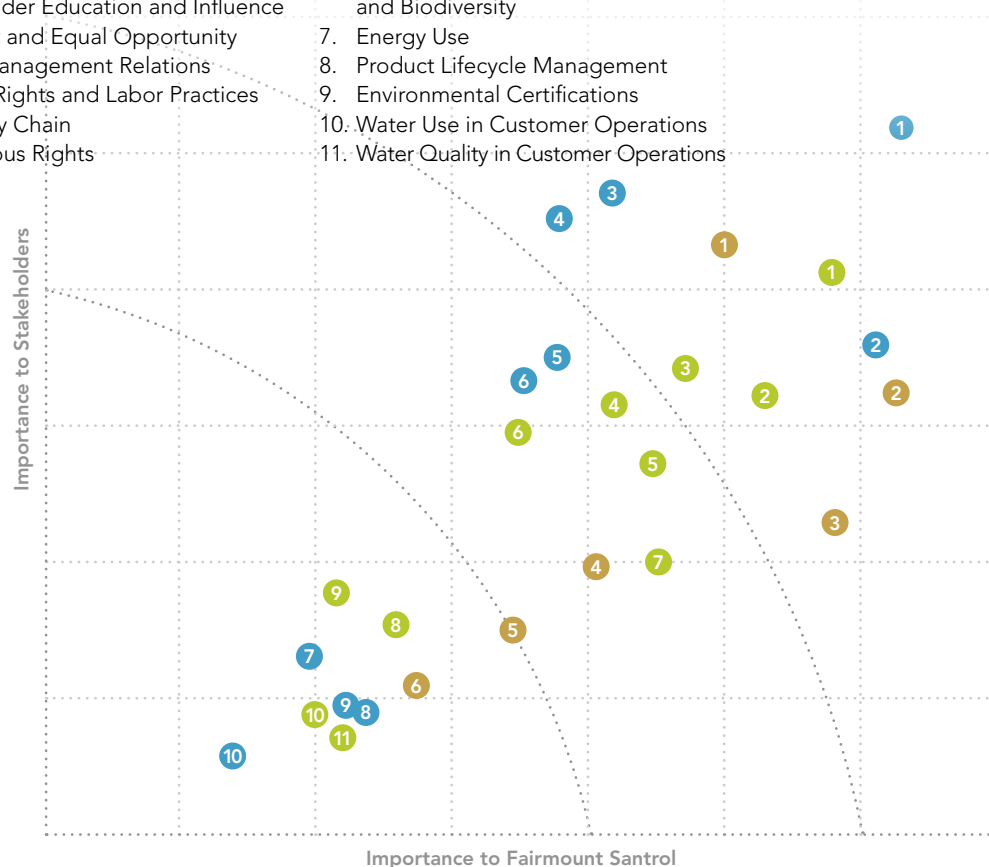
1. Best-in-Class Safety
2. Employer of Choice
3. Compliance and Ethical Behavior
4. Product Health and Safety
5. Community Impact and Partner of Choice
6. Stakeholder Education and Influence
7. Diversity and Equal Opportunity
8. Labor Management Relations
9. Human Rights and Labor Practices in Supply Chain
10. Indigenous Rights

PLANET

1. Air Quality
2. Transportation Logistics
3. Water Use and Quality
4. Solid Waste
5. Transportation Efficiency and Emissions
6. Land Management, Remediation, and Biodiversity
7. Energy Use
8. Product Lifecycle Management
9. Environmental Certifications
10. Water Use in Customer Operations
11. Water Quality in Customer Operations

PROSPERITY

1. Community Investment
2. Product Innovation
3. Prosperity of Family Members
4. Commodity Pricing and Demand
5. Product Quality
6. Intellectual Property



G4-24, G4-26, G4-27

Our internal and external stakeholders support and share in our prosperity. They help us drive innovation, strengthen our capabilities, develop best practices, and most important, they help us be good neighbors. We are committed to listening to, understanding, and meeting their needs.

Below are the stakeholder perspectives we gathered through the Appreciative Inquiry (AI) Summit, materiality assessment, and other engagement mechanisms throughout the year.

STAKEHOLDERS' TOPICS OF IMPORTANCE

STAKEHOLDER GROUP	TYPES OF ENGAGEMENT	FREQUENCY OF ENGAGEMENT	TOPICS OF IMPORTANCE
Board Members	AI Summit, in-person meetings, calls	Regularly, customized as needed	Commodity Pricing and Demand, Compliance and Ethical Behavior, Employer of Choice, Product Health and Safety, Product Innovation, Product Quality, Prosperity of Family Members
Leadership Team	AI Summit, in-person meetings, calls	Regularly, customized as needed	Best-In-Class Safety, Commodity Pricing and Demand, Community Impacts and Partner of Choice, Community Investment, Compliance and Ethical Behavior, Employer of Choice, Intellectual Property, Product Health and Safety, Product Innovation, Product Quality, Prosperity of Family Members, Transportation Efficiency and Emissions, Transportation Logistics
Family Members	AI Summit, Employee Engagement Survey, in-person meetings, calls	Regularly, customized as needed	Air Quality, Best-In-Class Safety, Community Investment, Employer of Choice, Innovation, Prosperity of Family Members, Stakeholder Influence, Transportation Efficiency and Emissions, Transportation Logistics
Customers	AI Summit, surveys, interviews, in-person meetings, calls	Regularly, customized as needed	Compliance and Ethical Behavior, Product Health and Safety, Product Innovation, Product Quality, Transportation Logistics
Communities and Regulatory Agencies	Public hearings, open houses, newsletters, calls, in-person meetings, local media sources	Ongoing, customized as needed	Air Quality, Community Impact and Partner of Choice, Community Investment, Compliance and Ethical Behavior, Land Management, Remediation, and Biodiversity, Water Use and Quality
Subject Matter Experts	AI Summit, in-person meetings, calls	Annually, as needed	Air Quality, Best-In-Class Safety, Community Impact and Partner of Choice, Compliance and Ethical Behavior, Transportation Efficiency and Emissions
Suppliers (Transportation, Chemical, etc.)	AI Summit, surveys, in-person meetings, calls	Ongoing	Best-In-Class Safety, Commodity Pricing and Demand, Product Innovation, Solid Waste, Stakeholder Education and Influence, Transportation Efficiency and Emissions, Transportation Logistics
Investors	AI Summit, quarterly calls, press releases, in-person meetings	Quarterly, as needed	Commodity Pricing and Demand, Community Impact and Partner of Choice, Product Innovation, Transportation Logistics
Peers and Industry Associations	AI Summit, membership/attending in-person meetings, calls	Regularly, customized as needed	Air Quality, Best-In-Class Safety, Compliance and Ethical Behavior, Land Management, Remediation, and Biodiversity, Product Health and Safety, Solid Waste

We sincerely appreciate the high level of engagement and time our stakeholders invested to assist us in prioritizing our most important topics. Listening to our stakeholders continually drives and inspires us to be *Boldly Different*.



Our Materiality Results—Significant Impacts, Risks, and Opportunities

The materiality assessment validated many topics we have historically known to be important to our organization and which we have resourced and actively managed. The process also shed light on new opportunities to collaborate with our partners and invest in and manage our most material topics in additional strategic ways. We are currently considering how actionable each topic is, determining accountability, evaluating our current performance and opportunities, and allocating resources as appropriate to ensure we are fully addressing our most material topics. In 2015, we will strengthen performance indicators for all material topics and ensure that we are actively managing and accurately measuring our performance. We look forward to disclosing additional insights and progress in next year's report.

The remaining pages in this report address our most significant material topics. For each of these topics we describe our current management approach, performance, success stories, and opportunities we plan to pursue in 2015 and beyond.

2014 AISUMMIT

Boldly Different 2014 CORPORATE SOCIAL RESPONSIBILITY REPORT

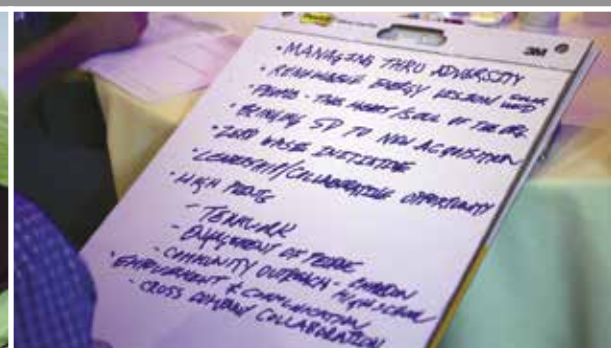




Appreciative Inquiry (AI) is a collaborative, strengths-based methodology used to inspire positive change, building on the “best” of the organization. At Fairmount Santrol, AI unites and empowers us to take our collective strengths and values to **Boldly** co-create the future.

In August, we hosted our fourth AI Summit near Chicago, IL, bringing together approximately 500 Family Members and 60 external stakeholders to define a sustainable future. Blake Mycoskie, Founder and Chief Shoe Giver of TOMS, and Erik Wahl, artist, author, and motivational speaker, inspired us to move past limits and realize possibilities. All voices were heard and together we pushed our commitment to sustainable development to new heights. During the AI Summit’s “Day of Caring,” we donated more than 3,720 hours of service to make a positive impact on the local community.

Beyond the AI Summit we host every three years, we foster an ongoing appreciative culture—a culture where every Family Member is encouraged to **Boldly** make a positive impact through our commitment to People, Planet, and Prosperity.



PEOPLE

A full-page background image showing a construction worker in the foreground, wearing a hard hat with a headlamp, safety glasses, and a high-visibility yellow and black jacket. He is holding a walkie-talkie to his mouth. In the background, a yellow Caterpillar bulldozer is visible, illuminated by its headlights. The ground is dirt with tire tracks, and the overall scene is dimly lit, suggesting an underground or nighttime construction site.

Our Family Members, partnerships, and collective action make us *Boldly Different*. We make safety, wellness, and personal and professional development top priorities. Furthermore, we are confident that by collaborating with partners—suppliers, customers, communities, and peers—we bring about sustainable development advancements that are beneficial to all involved.



Employer of Choice

G4-DMA, G4-LA10

Fairmount Santrol aims to attract and retain top talent by fostering an appreciative culture and encouraging innovation, empowerment, and engagement in sustainable development. We strive to be the employer of choice by providing Family Members with best-in-class training, education, personal and career development, and health and wellness benefits.

Training and Development

At Fairmount Santrol, Family Members are empowered through our appreciative culture, founded on the ideals of Appreciative Inquiry (AI), a strengths-based methodology used to inspire positive change within an organization. With the goal of engaging all Family Members, the Communications and AI Team collaborated with Dr. David Cooperrider and Dr. Ron Fry of Case Western Reserve University, co-creators and creative thought leaders of Appreciative Inquiry, to develop curriculum for AI training sessions. The two-hour sessions, held prior to the August 2014 AI Summit, were conducted in Illinois, Oklahoma, Michigan, Wisconsin, Texas, Ohio, and Mexico, reaching more than 600 Family Members, which is approximately 50 percent of our population. In 2015, the Communications and AI Team will incorporate AI training into the orientation process and deliver AI trainings to supervisors and management.

The Empower U Team helped coordinate the delivery of the AI training as well as helped create courses in PowerPoint, Welding 101, and Sand 101. Through our participation in the Total Training Network (TTN), employees have the opportunity to access more than 200 unique courses that foster our commitment to lifelong learning. In 2015, the Empower U Team will launch a Financial Wellness course to assist our Family Members with financial management, with a minimum target participation rate of 70 percent. This kind of investment is one of the ways we *Boldly Differentiate* ourselves as an employer of choice.

DID YOU KNOW?



More than 600 Fairmount Santrol Family Members, approximately 50 percent of our population, attended two-hour AI training sessions prior to the August 2014 AI Summit.





G4-22, G4-DMA, G4-LA10

In 2014, we added a Manager of Organizational Learning and Performance Development to specifically concentrate on frontline leadership development, individual performance improvement, and career development. We began the process of creating a more targeted approach to employee performance and development, through midyear and annual reviews, appreciative dialogue with Family Members related to their strengths, accomplishments, annual objectives, and performance improvement opportunities. This process, called Development Dialogues, will be implemented company-wide in 2015 along with individual development plans and new leadership training. We will also focus on strengthening our succession planning in 2015 by identifying and investing in the development of our future leaders.

Wellness Program

Healthy employees are happier, safer, and more productive. Fairmount Santrol supports the health and wellness of our Family Members and their families through our wellness program, personalized care plans, smoking cessation tools, annual physicals, and gym membership reimbursements. We empower our Family Members to live healthy lifestyles at home and at work. By offering biometric screenings and Health Risk Assessments (HRAs), we encourage Family Members to understand how their actions impact their personal well-being. In 2014, the Health and Wellness Team collaborated with our external partner, Wellness Corporate Solutions, to conduct two wellness improvement audits at all facilities. In addition, we hosted two company-wide health challenges—a pedometer step challenge and a healthy habits challenge—both achieving more than 40 percent participation rates. In 2015, our Health and Wellness Team will assess facilities for the possibility of adding on-site exercise equipment while increasing engagement in biometric screenings, HRAs, resulting in improved wellness scores.

Retention

Employee retention is a high priority for our organization. We offer competitive and robust employee benefit plans and will continue to solicit regular feedback from our Family Members to identify additional opportunities. We intend to continue our reputation as an employer of choice.

EMPLOYEE RETENTION RATE

2009	2010	2011	2012	2013	2014
82.1%*	90.9%*	88.9%*	87.9%*	90%*	83.5%

*Restated in 2014.

Rates exclude seasonal and temporary employees.

G4-DMA, G4-LA10

2014 EMPLOYEE BIOMETRIC SCREENINGS AND HRA EVALUATIONS

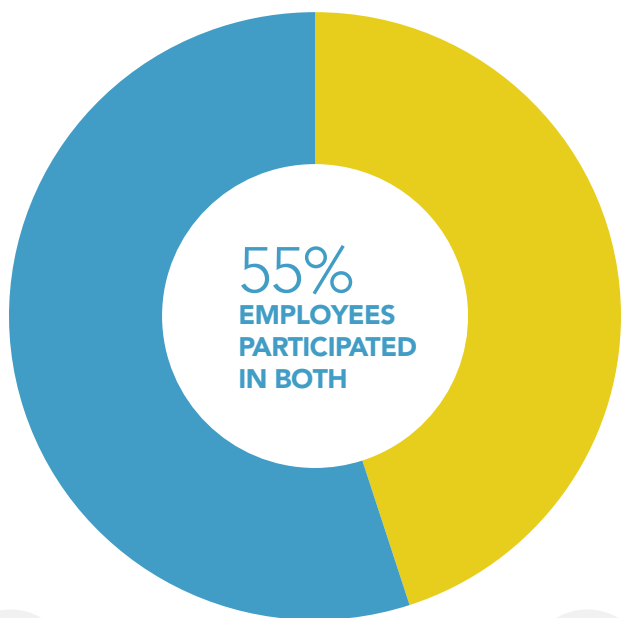
.....



59%
EMPLOYEES
PARTICIPATED
IN BIOMETRIC
SCREENINGS



62%
EMPLOYEES
PARTICIPATED
IN HRA
EVALUATIONS



55%
EMPLOYEES
PARTICIPATED
IN BOTH



SD EMPLOYEE OF THE YEAR, ROB KIEFEL



Every year, we open the SD Employee of the Year nomination process to all Family Members to nominate their coworkers from any facility. One winner is selected from each location. From those winners, our co-founder Bill Conway selects one individual for his or her outstanding commitment to SD and recognizes him/her with the Bill Conway Founder's Award. In 2014, we are pleased to recognize Rob Kiefel as the 2014 SD Employee of the Year. Rob embraces the ideals and principles of sustainable development through his personal contribution of time, talent, and treasure. Rob works in maintenance and is a member of the Safety and Community Investment Teams at his facility in Troy Grove, IL. Through his service for Special Olympics, March of Dimes, and the Illinois Valley Legions Against Lesions Multiple Sclerosis support group, he contributed a combined 77 hours of personal and paid volunteer hours in 2014. Rob is a well-respected member of his community in Standard, IL, and we are proud to have him as a member of our Family.

.....

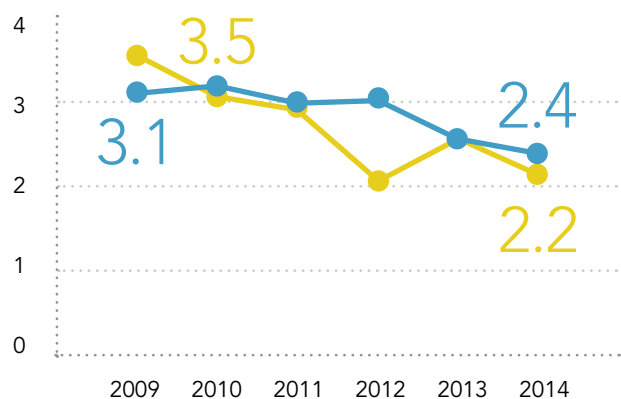
MORE THAN
83%
RETENTION
FOR SIX CONSECUTIVE YEARS

Best-in-Class Safety

G4-DMA, G4-LA6

The health and safety of our Family Members, communities, and partners is paramount to our organization and is the most material topic for us to actively manage. To this end, in 2009 we established the Fairmount Santrol Safety and Health Management System (SHMS) to promote a culture that encourages safe behaviors and continually strives to improve our safety and health performance. We intend to leverage the system to identify, manage, and ultimately eliminate all risks to Family Members, stakeholders, and facilities within our control or influence. The Fairmount Santrol SHMS encompasses programs and guidelines to meet or exceed compliance with all local, state, and federal legislation, standards, regulations, and policies. As further demonstration of our *Bold* commitment to safety, each facility must achieve compliance and certification with the Occupational Health and Safety Advisory Services (OHSAS) 18001 System for its SHMS within five years of opening or being acquired by Fairmount Santrol.

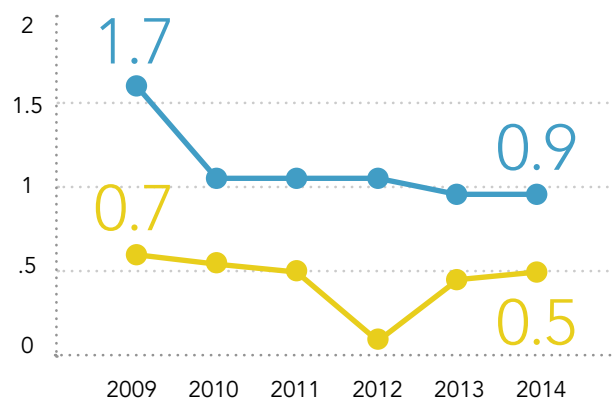
TOTAL CASE INCIDENT RATE (TCIR)



● FMSA

● Industry

LOST TIME INCIDENT RATE (LTIR)



Training

G4-DMA

We use IndustrySafe safety management software to track and report core safety data requirements to meet our health and safety program needs. We added new modules in 2014 including job hazard analysis, contractor and vendor tracking, and methods to improve the industrial hygiene database. All production facilities hold monthly training sessions to address all programs, initiatives, and data collection outlined in the annual health and safety agenda. The Fairmount Santrol SHMS includes these Procedural Modules:

- Safety and Health Policy
- Hazard Identification, Risk Assessment, and Determining Controls
- Legal and Other Requirements
- Objectives and Programs
- Resources, Roles, Responsibility, Accountability, and Authority
- Competence, Training, and Awareness
- Communication, Participation, and Consultation
- Documentation
- Control of Documents
- Operational Control
- Emergency Preparedness and Response
- Performance Measurement and Monitoring
- Evaluation of Compliance
- Incident Investigation, Non-Conformity, Corrective Action, and Preventative Action
- Control of Records
- Internal Audit
- Management Review

We believe our leadership should lead by example. This is why supervisors attend annual safety training sessions and receive one-on-one training to incorporate safety measures at their facilities. In order to further advance safety, we encourage meetings, regardless of the nature, to begin with a safety message.



STRENGTHENING OUR SAFETY CULTURE

On March 14, 2014, Fairmount Santrol proudly celebrated One Million Consecutive Safe Working Hours. This happens when every single Family Member puts safety first every single day. It requires knowing and using existing safety practices and putting new ones in place. This demonstrates our current commitment to safety, which we are continuously building on to strengthen our safety culture.

.....

ONE MILLION CONSECUTIVE SAFE WORKING HOURS

Contractors

To protect the safety and health of independent contractors, we operate an Independent Contractor Safety Program. The program includes training for hazard warning recognition and abating occupational risks. We regularly monitor our facilities to ensure all work activities comply with applicable federal and state regulations and the requirements and policies of each facility. Our Environmental, Health, and Safety and Qualification Evaluations enable us to maintain consistency, provide continuous improvement opportunities, and quantify compliance with our guidelines and policies among contractors desiring to sustain partnerships with Fairmount Santrol.

Emergency Response

In addition to the Fairmount Santrol SHMS, we have an Emergency Action Plan (EAP) and a Crisis and Media Relations Management Plan. All production Family Members attend Emergency Action Plan training upon hiring and annually thereafter, and we hold a minimum of two Emergency Action drills at each facility annually. The EAP addresses:

- Blood-borne Pathogens
- Civil Emergencies
- Crisis Management Team
- Earthquakes
- Emergency Response
- Emergency Notification
- Evacuation Systems
- First Aid and CPR, Automatic External Defibrillator (AED) Program
- Fire and Explosion
- Hurricanes
- Incident Reporting Guidelines
- Means of Egress, Emergency Drills
- Medical Emergencies
- Security
- Severe Weather and Floods
- Tornadoes
- Vehicular Accidents
- Violent Acts
- Warnings and Alarm Systems

Our Safety Team is currently incorporating pest control materials and groundwater management into the EAP for 2015.

To gather measurable feedback about safety at all levels, we asked Family Members to complete the National Safety Council's employee perception survey in 2014. The third-party survey benchmarks performance against more than 760 companies and 1.75 million employees and is based on Occupational Safety and Health Association (OSHA) Voluntary Protection Program concepts. This survey allows us to measure the efficacy of our safety program, identify opportunities for corrective action, provide valid safety indicators to management, and increase Family Member engagement and morale. Other safety-related achievements in 2014 include the implementation of the Firefly Collision Avoidance System, a lighting system mounted to forklifts, and advancing the behavior-based safety program entitled Find It Fix It (FIFI), which encourages Family Members to identify and improve actions to foster a safer work environment.

DID YOU KNOW?



The National Safety Council's employee perception survey benchmarks our performance against more than 760 companies and 1.75 million employees and is based on Occupational Safety and Health Association (OSHA) Voluntary Protection Program concepts.

G4-DMA

OHSAS 18001 (OCCUPATIONAL HEALTH AND SAFETY ASSESSMENT SERIES) SITE REGISTRATIONS

- Bridgman, MI
- Chardon, OH
- Hager City/Bay City, WI
- Harrietta, MI
- Maiden Rock, WI
- Menomonie, WI
- Roff, OK
- Shakopee, MN
- Troy Grove, IL
- Wedron, IL
- Yixing, China

Our Safety Team has set aggressive goals for 2015 to ensure our safety practices are best-in-class. Objectives include achieving a better-than-industry and better-than-our-best-year TCIR and LTIR. With the addition of two full-time safety department Family Members in 2014 and our Family Members' unwavering commitment to safety, we are confident we can make significant progress in 2015. We are pursuing safety enhancements such as the development of bulk bag storage and stacking guidelines, site-specific work instructions and job hazard analysis initiative, and proximity alarm systems for mobile equipment.

Product Health and Safety

Our dedication to safety extends to all who create, handle, distribute, and use our products. As part of our Silicosis Prevention Program and Occupational Health Program, we provide training to every Family Member exposed to silica dust. We monitor our facilities to ensure proper personal protective equipment is worn and safe product handling occurs, in addition to utilizing state-of-the-art technology and engineering throughout our processes to manage silica dust exposure. The average dust levels at our facilities are more than 50 percent below the respirable crystalline silica threshold recommended to be safe by the National Institute for Occupational Safety and Health. We remain vigilant in protecting our Family Members from potential exposure to dust. All Family Members who could be exposed to silica dust from our operations are fit-tested for respirators. Of this employee population, 100 percent undergo health testing, pulmonary evaluations, and x-rays every two years to ensure their long-term well-being. We publish test results through the National Industrial Sand Association (NISA) and have had no reported cases of silicosis for more than 10 years.

To ensure compliance with the Occupational and the Mine Safety and Health Administrations (OSHA and MSHA), we provide Safety Data Sheets (SDS) for all products. This provides our customers with the information they need to develop safety guidelines and proper handling procedures. We monitor rules and requirements for our products and call upon experts to update, as appropriate, the associated SDS. After we train our sales and marketing team on the latest information they, in turn, share updates with our customers. Further, we make these resources available to the general public at fairmountsantrol.com. We regularly seek feedback and respond to customer inquiries to ensure the health and well-being of their workforces.

Fairmount Santrol's commitment to product health and safety extends to product and process engineering. We currently offer dust-minimizing products and use resins with less than three percent phenol content in our coated sand. In 2014, we launched a collaborative research and development project with three partners to further mitigate airborne dust resulting from product use. While still in the early stages, we remain committed to formulating solutions to increase the health and safety of those handling our products.

Community Impact/Partner of Choice

G4-DMA, G4-SO1

Fairmount Santrol believes there is a marked difference between simply obtaining a permit and adhering to the requirements of that permit, versus operating responsibly with a *Bold* commitment to go beyond compliance. To ensure we remain in good standing as a responsible operator, we embrace our values of being a responsible corporate citizen and a welcomed neighbor. To demonstrate this understanding, we actively address public interests early in the permitting process, engage in community dialogue, remain transparent, and determine solutions to meet the community's needs. We include information regarding our management approach and commitment to sustainable development within our permit applications, which address:

- Air quality
- Direct and indirect economic impacts
- Ground vibration from controlled blasting operations
- Ground water and surface water quality and quantity
- Mine reclamation
- Noise
- Social interests (property values, tourism, etc.)
- Traffic

Recognizing each community's needs are unique, our management approach is customized accordingly. We empower our plant managers to engage with the public, respond to inquiries, and determine solutions. Communication occurs via public meetings, personal letters, telephone calls, newsletters, local media, and community events. We are proud to remain transparent by welcoming community members during open houses and scheduled site visits where we share our story and allow others to see how we operate. We will continue to address the individual needs of each community while standardizing best practices that result in positive impacts.

One way we *Boldly* distinguish ourselves as a responsible operator is by going above and beyond compliance for environmental management, and the health and safety of our communities. In 2014, we installed permanent solar-powered seismographs at our Wedron, IL, and Menomonie, WI, facilities. Community member concerns about potential particulate air emissions and ambient air quality led us to invest in third-party monitoring of silica levels at facilities in Wisconsin and Minnesota. Monitoring data show that levels of silica dust around our plants are consistent with naturally occurring background levels and are in compliance with applicable standards. We study traffic patterns in local communities and look to reduce traffic associated with our operations during peak hours, such as school or work rush hours. To lessen traffic impacts in some communities, we have built additional turning lanes into and out of facilities making merging safer and less disruptive.

We will continue to conduct science-based studies in 2015 to provide accurate data that appropriately reflects our potential impacts. For every community where we operate a mine or are planning mining activities, we actively and continuously engage with the community, assess our impacts, and develop programs so we remain a responsible, welcomed neighbor.





Compliance and Ethical Behavior

G4-56, G4-DMA

Dedication to compliance and ethics is a core value of Fairmount Santrol. This includes a commitment to meet or exceed all local, state, and federal regulations, as well as a desire to continuously improve our performance each and every year. Adherence to ethical behavior and compliance with applicable regulatory bodies is driven by our executive management team and by all Fairmount Santrol Family Members.

Ethics is one of the key principles that unite us in our vision of sustainability. In 2014, we continued to enhance and develop our corporate compliance program, focusing on the rules and regulations applicable to us as a new public company and best practices of our peers. Our corporate compliance program involves the following key processes: risk identification and assessment, establishment and maintenance of policies, procedures and controls, training and communication, observation and analysis, and evaluation and improvement. For example, in conjunction with our initial public offering in October 2014 we formalized several company-wide governance policies that set forth clearly written standards of behavior, including:

- Anti-Corruption Policy
- Corporate Code of Business Conduct and Ethics
- Corporate Governance Guidelines
- Financial Code of Ethics
- Insider Trading Policy
- Public Disclosure Policy
- Related Party Transactions Policy
- Social Media Policy
- Whistleblower Policy

Additionally, as part of our commitment to regularly train our Family Members on key risk areas, we began working with a third party to rollout a comprehensive training, certification, and attestation program. Our training program will include a mix of in-person and e-learning initiatives, with brief refresher and awareness messages throughout the year.

Our commitment to integrity extends to our supply chain. We assess our suppliers for compliance and ethical conduct before establishing a formal relationship. Our internal and external stakeholders are united in valuing compliance and ethical behavior. We believe in generating shared success with our suppliers through fair and balanced agreements.



Stakeholder Education and Influence

G4-DMA, G4-LA14, G4-EN32

Our motto of “Do Good. Do Well.” has proven to be a differentiator for Fairmount Santrol year after year. While we continuously raise our own standards, we also make it a point to *Boldly* and confidently share our expertise, successes, and best practices with our stakeholders.

Our participation and leadership in various industry groups and associations gives us the opportunity to partner with peers to raise industry standards and increase adoption of responsible practices. Through our leadership in the Wisconsin Industrial Sand Association (WISA), we have collaborated with peers to publish publicly available white papers on crystalline silica, water soluble polymers, and groundwater. Our own third-party studies on air and water quality have generated dialogue with regulatory agencies and peers on improving industry standards. We are reporting our safety data to the International Mining Association of North America (IMA-NA) and have shared our safety program and Safety and Health Management System with peers to enhance the well-being of all mining workers. By working together to raise standards, responsible practices, and transparency, we strengthen the industry for the long term.

Our suppliers are very aware of, and continuously exposed to, our sustainable development practices. We ask all new partners to complete our supplier survey, which includes questions on compliance, environmental stewardship, safety, wellness, community engagement, reporting, and civil rights. In 2014, 109 of nearly 400 new suppliers voluntarily completed the survey. In the last five years, 843 suppliers voluntarily completed the survey. In 2015, the Sustainable Value Chain Team will focus on improving our supplier assessment and increasing accountability based on the results shown in the supplier scorecard. We ask our suppliers to partner and innovate with us, helping both of us advance our sustainability practices. Recent successes include reducing chemicals used in making our products and reusing bulk bags, drums, and totes. By partnering with like-minded suppliers and sharing best practices, we amplify our ability to generate a positive impact.

In turn, as a supplier to our customers, we proactively look for opportunities to share best practices, increase responsible behaviors, and raise industry standards with and for them, whether they are in the oil and gas industry or the industrial and recreational industries. We intend to increase our efforts to help customers reduce their impacts, manage their risks, and increase transparency through partnerships, innovation, and increased communication.

WE HAVE COLLABORATED
WITH PEERS
TO PUBLISH PUBLICLY AVAILABLE
WHITE PAPERS
ON CRYSTALLINE SILICA,
WATER SOLUBLE POLYMERS,
AND GROUNDWATER



PLANET

At Fairmount Santrol, we have deep respect for the planet and its resources because we know that it is the foundation of prosperity for our Family Members, stakeholders, and future generations. Our dedication to extracting and using resources responsibly, monitoring and managing our environmental footprint, and demonstrating environmental stewardship in our daily operations is *Boldly Different*.

ISO 14001 is a management system addressing various aspects of environmental management. To become a certified site, a facility must identify and control its environmental impacts and constantly improve environmental performance. Founded in 1947 with the goal of facilitating the international coordination and unification of industrial standards, ISO has published more than 19,500 international standards and has members from 163 countries. We believe the ISO framework empowers excellence. Currently, we have 10 ISO 14001 certified facilities with other facilities working diligently to become certified.

ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM SITE CERTIFICATIONS

- Bridgman, MI
- Chardon, OH
- Hager City/Bay City, WI
- Harrietta, MI
- Maiden Rock, WI
- Menomonie, WI
- Roff, OK
- Shakopee, MN
- Troy Grove, IL
- Wedron, IL

Energy Use

G4-DMA

Company-wide, our engineers employ *Bold* design of facilities to optimize temperature controls. We have committed to installing LED lighting with photocell control in all new construction projects and using motion sensors for interior lighting to conserve energy when an area is naturally lit or unoccupied. Plant managers are required to track and manage energy use. Family Members are encouraged to take action on energy-saving opportunities at each facility through our environmental policy, found at fairmountsantrol.com/about/policies-standards.

Drying sand and heating sand for resin coating are our two most energy-intensive processes. We are continuously seeking ways to optimize the drying process and reduce our energy usage. In 2007, Fairmount Santrol developed the first continuous process to heat sand for resin coating. This significantly increased efficiency from traditional batch processing by using hot oil fluid transfer systems. We brought this technology to two new plants in Illinois and Oklahoma in 2014.



G4-22, G4-DMA, G4-EN3, G4-EN5

In 2014, the Quest for Eco-Efficiency (QEE) Team conducted energy audits at facilities in Menomonie, Hager City, Maiden Rock, and Shakopee, identifying more than \$104,000 in potential savings. These audits will guide conservation projects for the QEE Team to pursue in 2015. In addition, the Best Practice Team designed a new solex inverted cone this past year, which disperses sand evenly over heat exchangers, enabling more efficient cooling.

ENERGY CONSUMPTION

	Q4 2012–Q3 2013	Q4 2013–Q3 2014
Direct Energy Use (GJ)	2,266,464*	3,206,331
Indirect Energy Use (GJ)	432,916*	595,927
TOTAL ENERGY USE (GJ)	2,699,380*	3,802,258

ENERGY INTENSITY

	Q4 2012–Q3 2013	Q4 2013–Q3 2014	% CHANGE
Energy Intensity (GJ/Tons Shipped)	0.32	0.35	9.4%

FUEL USE BY TYPE

	Q4 2012–Q3 2013	Q4 2013–Q3 2014	% CHANGE
1% Biodiesel (Gal.)	133,134	65,025	-51%
5% Biodiesel (Gal.)	112,512	105,896	-6%
10% Biodiesel (Gal.)	45,590	100,167	120%
Diesel #2 (Gal.)	621,872*	1,064,376	71%
Electricity (KW-HR)	120,131,411*	165,366,022	38%
Fuel #400 (Gal.)	180,972	173,900	-4%
Fuel Oil #1 (Gal.)	796	17,580	2,109%
Gasoline (Gal.)	40,235*	47,563	18%
Liquid Propane (Gal.)	397,588	3,937,277	890%
Natural Gas (MCF)	1,958,220*	2,467,663	26%

*These numbers have been restated from the 2013 report.

Energy consumption grew in 2014 in parallel with the growth of our business and production capabilities. In 2015, we will continue to focus on completing energy conservation projects and offsetting our Scope 1 and Scope 2 GHG emissions by planting trees. The centralization of energy use data was an opportunity identified during the materiality process, and we are working to consolidate its tracking and management.



Air Quality

G4-22, G4-DMA, G4-EN15, G4-EN16, G4-EN18, G4-EN30

Facility emissions are controlled on site using dust management programs, bag houses, scrubbers, thermal oxidizers, on roadways via water application, sweeper and vacuum trucks, and by actively reclaiming areas affected by mining. We regularly evaluate and upgrade to leading technologies to manage air quality.

To ensure objectivity and transparency in addressing community concerns regarding ambient air quality, we voluntarily conducted third-party testing at multiple sites in Wisconsin and Minnesota. Results of the Maiden Rock, WI, study were published and presented to the community in 2014. The study showed that PM4 crystalline silica concentrations in the Maiden Rock area are very low, and are consistent with normal background levels and under recommended limits. Studies will continue in Menomonie, WI, in 2015. Our commitment to air quality beyond our fence line is evidenced through these studies and in our work with industry peers to improve data collection and results distribution. We are *Boldly* and actively working to establish ambient air quality standards for mining organizations in Wisconsin and potentially beyond.

Energy consumption and GHG emissions increased in 2014 with the acquisition of new sites and increased production at our facilities. Our plant managers, engineers, and SD Teams are focused on identifying energy and emissions reduction projects across our business in 2015. To this end, we measure our Scope 1 and Scope 2 emissions—direct GHG emissions from sources on-site and indirect energy purchased from off-site sources—to better understand and manage our impacts.

EMISSIONS (SCOPE 1 AND 2)

	Q4 2012–Q3 2013	Q4 2013–Q3 2014
Direct Sources (Lbs. of CO ₂ Equivalents)	266,567,210	383,238,173
Indirect Sources (Lbs. of CO ₂ Equivalents)	176,598,139	239,000,030

EMISSIONS INTENSITY (SCOPE 1 AND 2)

Normalized GHG Emissions (Lbs. of CO₂ Equivalents/Ton Shipped)

	Q4 2012–Q3 2013	Q4 2013–Q3 2014	% CHANGE
Scope 1 and 2 Emissions	53.14*	56.99	7.3%

*These numbers have been restated from the 2013 report.

In 2014, Fairmount Santrol purchased and managed the planting of more than 75,000 trees—a record number—sequestering 103 percent of our fourth quarter 2012 through third quarter 2013 Scope 1 and 2 GHG emissions enterprise-wide. Our Family Members actively participated in planting more than 6,000 trees, or eight percent of the total number planted. The Quest for Eco-Efficiency (QEE) Team has set a Bold Goal of planting 120,000 trees in 2015 to offset fourth quarter 2013 through third quarter 2014 emissions, with Family Members planting 10 percent of the trees.



Water Use and Quality

G4-DMA, G4-EN10

We understand that water is an important resource and are dedicated to meeting water use and quality standards established by state and local regulatory agencies at applicable facilities. These requirements include regular water testing and results reporting, storm water pollution prevention plans, and obtaining certifications for responsible company representatives where needed. Water management goals conform to the goals of our environmental policy, as outlined in ISO 14001 Program at certified sites and at sites where we are pursuing certification. Currently, the Clean Water Team contributes to this effort and is in the process of developing water management plans for all facilities.

DID YOU KNOW?



In 2014, the Clean Water Team completed seven water management facility plans, adding to the 23 completed in 2013.

In 2014, the Clean Water Team completed seven water management facility plans, adding to the 23 facility water management plans completed in 2013. The team hosted 22 educational workshops in our Ohio, Texas, Canada, and Illinois facilities and conducted 15 site-plan review sessions to guide facilities in achieving their water efficiency initiatives.

The water needs of most of our mining sites are met through on-site high capacity wells, man-made surface water bodies created by past mining activities, and rainwater capture. While our business requires water for extracting, washing, processing, and cooling, our aim is to use water efficiently. Our two focus areas include increasing the use of recycled water and decreasing the amount of water used to wash our sand. Overall, it is estimated that approximately 95 percent of water used in our operations is recycled. In 2014, our Wedron, IL, facility increased water recycling by 30 percent. In Maiden Rock, WI, from 2009 to 2014, we decreased the amount of well water needed to wash each ton of sand by approximately 92 percent. We are installing new equipment in Wedron, IL, that will allow us to recycle water more efficiently. From October 2013 to September 2014, our total fresh water (municipal water and well water) usage across our footprint decreased by 10 percent.

Fairmount Santrol primarily uses water to wash fine grained silts and clays from the deposit being mined. The resulting water has measurable turbidity and we treat the water through settling. This allows us to reuse the clarified water back in our process. The settled out solids are used for reclamation processes. Applicable sites are investing in water-clarifying tanks to expedite the settling process and to improve the efficiency of water recycling. To improve storm water management, we piloted Curlex® blocks at our largest production facility in 2014. The blocks, which are composed of a cross-section of filter media wrapped in textile, improve the quality of storm water runoff by controlling turbidity. This technology is much more effective than more traditional methods, such as straw bale barriers or silt fences. We anticipate that more of our sites will install Curlex blocks in 2015.

Fairmount Santrol conducts internal and third-party testing to ensure that discharge water complies with applicable limits. We are committed to transparency and open dialogue with community members to alleviate concerns related to water use and quality.

In 2015, the Clean Water Team will build on our success in water reduction by sharing best practices across facilities, improving facility-level water management plans, documenting and tracking water reuse and reduction activities, and continuing to educate the Fairmount Santrol Family and community members.

Land Management, Remediation, and Biodiversity

G4-DMA, G4-EN13

Through the permitting and approval process, Fairmount Santrol works with state and local regulatory agencies to develop land management and reclamation plans prior to beginning mining activities in areas with a regulatory program. Planning elements may include comprehensive site maps, projections of overburden and mineral deposits, reclamation procedures, on-site audits, and offering financial assurance for the completion of site reclamation. Our dedication to reclamation best practices, such as planting native species and removing invasive species, and our work with select stakeholders to provide restored acreage that yields open land, wildlife habitat, and agriculturally viable pastures is *Boldly Different*.

LAND RESTORATION

FACILITY	TOTAL ACREAGE	TOTAL UNDISTURBED	TOTAL DISTURBED	PERMANENTLY RESTORED	% DISTURBED
Bay City, WI	10	9	1	0	10%
Beaver, OH	307	263	44	0	14%
Brewer, MO	352	267	50	35	15%
Chardon, OH	474	188	205	81	43%
Harrietta, MI	346	48	171	127	49.5%
Katemcy, TX	851	851	0	0	0%
Maiden Rock, WI	988	965	6.5	17	<1%
Menomonie, WI	354	232	122	11	33%
Shakopee, MN	266	256	10	.3	4%
Voca, TX	1,977	1,582	395	0	20%
Wedron, IL	2,010	1,354	492	165	24.5%
TOTAL	7,935	6,015	1,496.5	436.3	19%



APPROXIMATELY
95%
 OF WATER
 USED IN OUR OPERATIONS IS
 RECYCLED

G4-DMA

Fairmount Santrol demonstrates our commitment to going beyond compliance for land management standards through participation in national and state environmental certification programs, such as ISO 14001 and the Wisconsin Department of Natural Resources Green Tier program. All of our Wisconsin mining facilities have attained Green Tier certification, and we are actively engaged in improving sustainable mining practices for the industry through our work with the Wisconsin Industrial Sand Association. In addition, we have several valuable partnerships with organizations to protect and support species diversity at our operating locations, including the Wildlife Habitat Council, Saving Birds Thru Habitat, and Bat Conservation International.

These sites achieved certifications and re-certifications for land management, remediation, and biodiversity practices in 2014:

Wildlife Habitat Council renewed Wildlife at Work certification:

- Maiden Rock, WI
- Menomonie, WI

Wildlife Habitat Council renewed Corporate Lands for Learning certification:

- Maiden Rock, WI
- Wedron, IL

Saving Birds Thru Habitat certification/recertification:

- Chardon, OH
- Hager City, WI
- Maiden Rock, WI
- Shakopee, MN
- Wedron, IL

Wisconsin Department of Natural Resources renewed Green Tier certification:

- Hager City, WI
- Maiden Rock, WI
- Menomonie, WI
- Readfield, WI

Other sites that are certified by Wildlife Habitat Council:

- Chardon, OH
- Hager City, WI
- Harrietta, MI
- Wedron, IL



THE BATS AND THE BEES

Each year, Fairmount Santrol certifies sites through the Wildlife Habitat Council (WHC). WHC provides ideas and tools for voluntary on-site wildlife habitat enhancement and conservation programs. In 2014, our Wisconsin sites focused on education regarding the importance of pollinators, particularly bees, to our ecosystem. Around one third of the food we eat is estimated to be dependent on bee pollination. In providing this pollination service, bees contribute billions of dollars to the world economy.

Family Members at our Wisconsin sites worked with many school-age groups in 2014 to plant pollinator gardens and construct stem bundle bee habitats that were placed around the community. Due to the decline of milkweed and nectar sources for monarch butterflies, another pollinator that is critical to our ecosystem, our Family Members are researching opportunities to create on-site Monarch Waystation habitats in 2015. This would provide a place and resources necessary for monarchs to produce successive generations and sustain their migration.



Photo courtesy of the Wisconsin Bat Program



Fairmount Santrol proudly supports efforts to protect bat populations in some key areas where we operate. Our underground mines in Maiden Rock and Bay City, WI, have both been in operation for nearly 100 years. Four species of bats have seasonally thrived at these two locations for decades. This is due to older portions of the mine being a hibernacula during winter months. The number of bats annually hibernating in our mines is greater than 140,000, making our Maiden Rock and Bay City mines the second and third largest bat hibernacula in the state of Wisconsin. A disease called White Nose Syndrome has decimated large bat populations in other areas of the United States, and we are working hard to prevent the disease from affecting bat populations in our mines. Our ongoing conservation efforts include funding research, providing educational outreach, implementing operational controls to coexist with the bats, and improving their ecosystem within our mines. Specific examples include:

- Research and funding to protect the bat populations: Collaboration with the Wisconsin Department of Natural Resources to see that 26 automated environmental monitoring stations were installed in our mines to measure temperature, pressure and humidity. Additionally, thermal imaging cameras are used to enable researchers to observe bats. We also allow researchers to enter the mines every winter to count the bats hibernating.

- Education and outreach: We work with groups such as Boy Scouts of America to construct and install bat houses outside the mines, which have successfully attracted colonies of nursing female bats and their young during the summer months. We present at local schools multiple times per year to educate children about the importance of bats to our ecosystem and the threat of White Nose Syndrome.
- Controlled access: Bat-compatible gates have been installed at all secondary entrances to the mines, allowing the bats to enter and exit the hibernacula without allowing access for predators. Other openings to the mines are blocked. Special decontamination procedures have been implemented at both underground mines, so that we can ensure a safe environment for the bat populations.

.....

MORE THAN 140,000 BATS MAKE MAIDEN ROCK AND BAY CITY MINES THEIR WINTER HIBERNACULA

Solid Waste

G4-DMA

Fairmount Santrol set a *Bold* and courageous goal to inspire and enable all facilities to reach zero waste to landfill. By the end of 2014, we achieved a reduction of approximately 90 percent in waste to landfill since 2009. This has been made possible through continuous data collection and education efforts driven by our Recover, Recycle, Reuse (3R) Team and SD Coordinators. Thanks to the combined efforts of our Family Members, seven new sites achieved zero waste to landfill in 2014, bringing our total to 18. We are proud that many of our facilities are now zero waste to landfill, and others continue to minimize waste streams with the ultimate goal of attaining zero waste to landfill status.

To manage non-compostable or non-recyclable waste, in 2014 we entered into a partnership with a waste-to-energy company to convert waste destined for landfill into fuel for producing steam-generated electricity.

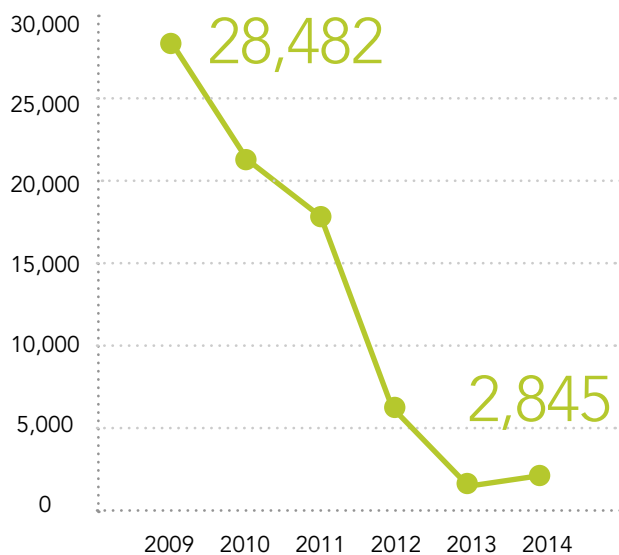
Through arrangements that we formed with a broker for raw materials to be used in cement plants, we diverted more than 7,000 tons of waste sand destined for landfill at our resin coating facilities. At our Roff, OK, facility, through an arrangement with a local company that provides landfill cover material for the methane extraction process, we prevented more than 15,500 tons of waste sand from being landfilled. Our total landfill avoidance in 2014 was nearly 23,000 tons of waste.



G4-DMA, G4-EN23

Out of the total number of products we deliver, 92 percent is shipped via truck, train, or barge requiring no packaging. Most of the remaining eight percent of product shipments are in bulk packaging, which we try to recycle and reuse when possible. We ask that our customers recycle and reuse our product packaging. In 2014, our Sustainable Value Chain Team established drawings, specifications, and usage patterns of pallets, flexible intermediate bulk containers, and poly/paper bags at all North American plants. Through standardization of packaging for domestic plants, we generated more than \$347,000 in SD Pays.

TOTAL WASTE TO LANDFILL (CUBIC YARDS)



The increase in total waste is due to the acquisition of new facilities in 2014.

In 2015, one of the 3R Team's goals is for each facility to hold one zero waste event, such as a company picnic or local event to teach community members methods to achieve zero waste. Our leaders hold external webinars, engage with our customers, and work with other local businesses to share our best practices because we believe it is our responsibility to go beyond educating our own Family Members.



ROC DETROIT

In September 2014, Fairmount Santrol, along with the United States Business Council for Sustainable Development, supported the launch of the Reuse Opportunity Collaboratory (ROC) Detroit, a group of companies, academic institutions, nonprofits, and government agencies that have an interest in creating environmental, societal, and economic opportunities from Detroit's underutilized materials. To educate other organizations on waste reduction methods, reuse, and to inspire change, Fairmount Santrol and General Motors hosted a webinar to share best practices. The presentation is available on the ROC Detroit website.

SINCE 2009,
WE HAVE DECREASED
OUR WASTE TO
LANDFILL BY
90%



Transportation Logistics, Efficiency, and Emissions

G4-DMA, G4-EN30

Transportation efficiency and emissions are inherently tied to our logistical operations. Our goal is to move full capacity loads as resourcefully as possible to terminals near our customers to ensure on-time delivery. As we implement *Bold* strategies to improve our logistics efficiency, we will naturally minimize our transportation footprint, reducing fuel consumption and emissions. Our Sustainable Mobility Team identifies strategies to streamline the transportation of our products. In 2014, the team worked to establish a baseline for utilization of railcars and collaborated with customers to increase loading to the maximum allowable tons per route. The cumulative 12 month savings of trending from 93.6% to 94.5% railcar utilization was more than \$1,130,000.

We are currently improving our transportation efficiency by implementing our third-generation optimization model. The new solution is a multi-echelon inventory and planning optimization program that will improve our ability to refine supply plans at any level of abstraction. It also has the capability to simulate various planning scenarios and provide side-by-side comparison so the optimal solution can be chosen and deployed. This resource aids in strategic decision-making, annually, monthly, weekly, and is useful in determining how to deliver products to our customers in the most cost-effective manner. In 2014, efficiency was also gained through the addition of 25 percent more fixed storage areas, a 57,000 ton increase, which helps mitigate rail delays. We added track space at our plants and terminals, as well as railcars that hold our buffer inventory, which allows us to increase the amount of sand we ship in unit trains. By enabling us to ship one commodity nonstop between two terminals, unit trains improve our logistical efficiency and reliability.

We use Key Performance Indicators (KPIs) and metrics to track our logistics performance on a weekly basis, enabling us to make targeted adjustments to delivery plans and available reserves across our operations. Here are other ways in which we actively manage our logistics network:

- Building strong relationships and communication with all of our transportation partners
- Holding daily conference calls with rail partners
- Using optimization software to manage shipments on a daily basis
- Monitoring weather during and outside of business hours
- Having four full-time expeditors available 24 hours, seven days a week; three of these roles were added in 2014
- Using efficient transportation of materials via conveyor at facilities when applicable

To transport our products more efficiently in 2015, we will strengthen our multimodal approach by incorporating more barges and unit trains into our fleet, as they move greater quantities of sand, use less fuel, and reduce road congestion. Several of our primary transportation suppliers participate in the U.S. Environmental Protection Agency SmartWay program and actively track emissions and pursue additional emissions reduction initiatives. We are pursuing the installation of low-torque bearings on 4,000 new railcars, which will save more than \$300 in diesel fuel per car annually. We are also actively seeking opportunities to address fueling station access and engine compatibility needs so we can incorporate liquefied natural gas or compressed natural gas in our truck vendor fleet. As demand and service offerings for alternative fuels continue to grow, we anticipate overcoming these challenges in the near future.



G4-DMA, G4-EN30

**FMSA VOLUME SHIPPED
(THOUSANDS OF TONS)**
.....

2012	2013	2014
6,140	7,579	9,614

MODES OF TRANSPORT
.....

	2013	2014
Barge	2.2%	3.2%
Rail	76.5%	74.4%
Truck	21.3%	22.3%

UNIT TRAINS SHIPPED
.....

2012	2013	2014
10	56	129



PROSPERITY

We are committed to developing a portfolio of leading-edge solutions to help our customers achieve their goals. Our *Bold*, innovative spirit and our commitment to sustainable development promotes the long-term prosperity of all stakeholders: Family Members, investors, customers, suppliers, and our communities.



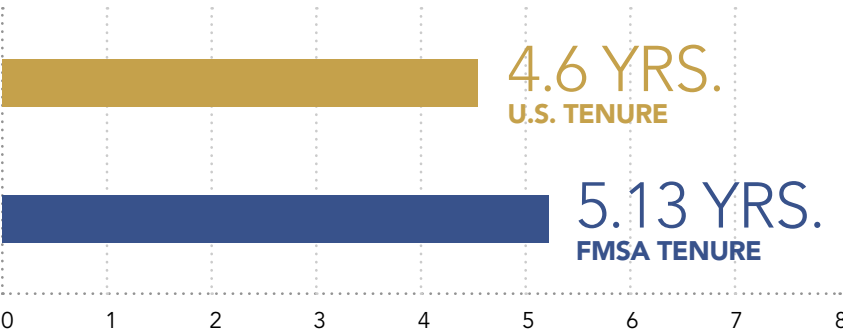
Prosperity of Family Members

G4-DMA, G4-EC1, G4-LA10

The unwavering dedication of our Family Members is the cornerstone of our success. We believe in sharing in the prosperity generated through the valued products and services that our employees enable us to provide. Offering a competitive salary, bonus potential, employee stock bonus program, 401(k) match, outstanding health coverage, and wellness programs are ways in which we contribute to employee prosperity. To ensure our benefits are best-in-class, we partner with Wells Fargo annually for industry benchmarking. Results are reviewed by our benefits committee to identify areas of improvement. At the end of 2014, we merged our employee stock and 401(k) plans to grant Family Members greater control of their investments. Family Members can also now invest in Fairmount Santrol stock through payroll deductions.

We believe that employee prosperity goes beyond just financial compensation and is reflected in the tenure of our Family Members. When Family Members choose to stay employed with Fairmount Santrol, those decisions indicate overall satisfaction with the various facets of their jobs—financial, positive relationships with co-workers, sense of higher purpose, and meaningful, interesting work.

AVERAGE EMPLOYEE TENURE



Fairmount Santrol is a company where Family Members have a sense of greater purpose. Our commitment to SD generates opportunities for our employees to develop skills outside of primary job functions and to contribute to the health and vitality of our people, our company, and our communities. Family Members are provided with 40 paid hours of volunteer time annually and are encouraged to give back to their communities.





ASPIRE SCHOLARSHIP

The Aspire Scholarship was created in 2013 with the purpose of providing funds to eligible Family Members' dependents for post-secondary education based on financial need. Last year we received six applications and selected two winners who each received \$3,000 to offset their post-secondary tuition costs.

A Selection Committee, appointed by the Cleveland Foundation, bases its scholarship decisions on the completed application, financial need, and one or both of the following factors: academic achievement and leadership. Applicants must remain in good academic standing to qualify for funding each year.

SUSTAINABLE DEVELOPMENT SCHOLARSHIP

Started in 2007, the SD Scholarship was established to provide financial assistance to eligible Family Members' dependents pursuing post-secondary education and demonstrating an elevated commitment to SD. Scholarships are awarded annually, ranging from \$500 to \$5,000.

G4-DMA, G4-LA10

Our commitment to SD enables Family Members to thrive in an appreciative, collaborative, innovative, and empowering culture. Our Best Practice Team focuses on generating savings by implementing productivity projects emphasizing standardization, new or improved technology, or increased organization. The team implemented seven projects in 2014, generating savings of more than \$4,327,000. In 2015, the team will increase engagement in best practices company-wide with the goal of completing eight projects generating a minimum of \$2,000,000 in SD Pays. These funds will enable us to make meaningful investments in the future prosperity of our organization, our Family Members, and our communities.

Community Investment

G4-DMA, G4-EC1, G4-EC7

When our communities where we live and work thrive, everyone benefits. For Fairmount Santrol, community investment means sharing our time, talent, and treasure. Through the Fairmount Santrol Foundation, we support four areas: the environment, health and wellness, education, as well as discretionary. We invest in communities through cash grants, in-kind donations, and corporate volunteer efforts. Our goal is to donate 1.5 percent or more of our pre-tax/pre-equity earnings annually to organizations under the United States Internal Revenue Services 501(c) regulations that support our mission of community investment and sustainable development. Each plant contributes a minimum of 0.25 percent of its Plant Operating Profit (POP) or more to serve the needs of our communities. We empower facilities to choose their own activities or local organizations to support, such as the Fort Bend Children's Discovery Center in Sugar Land, TX.

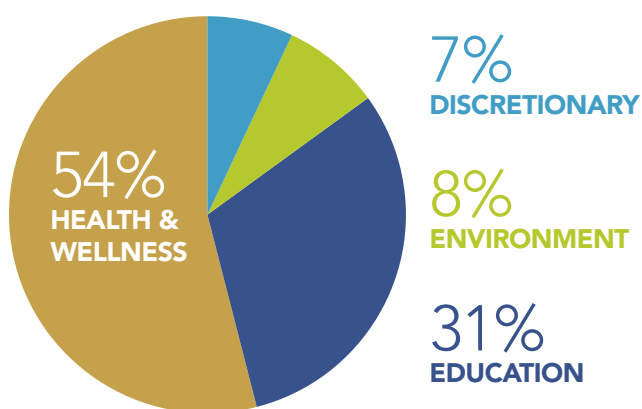
Other local initiatives our facilities sponsor include:

- Aiding local schools
- Assisting with building and expansion projects for hospitals and care facilities
- Improving parks and playgrounds
- Supporting emergency services, such as local fire departments and ambulances
- Updating technology for schools

G4-DMA, G4-LA10

Fairmount Santrol's contributions significantly impact local communities by providing greater access to education, health services, wellness, and an improved quality of life for residents. To ensure meaningful appropriation of funds, our donations are overseen by a Site Community Investment Committee at each facility, as well as by the Corporate Community Investment Committee. In addition, our community investment policy provides guidelines for the Fairmount Santrol Foundation, including overseeing contribution requests, matching gifts, allocation of investments, focus areas, product donations, eligibility, and volunteerism.

TOTAL DONATIONS BY CATEGORY



We want to give our Family Members every opportunity to give back to their communities, so we provide them with 40 hours of paid volunteer time each year. In 2014, our Social Responsibility team engaged facilities with the goal of increasing volunteer hours across the company. We are proud to report that our Family Members contributed approximately 20,000 paid volunteer hours to their local communities in 2014, including the 3,720 hours donated at the AI Summit. Additionally, many of our Family Members went above and beyond by donating countless hours of their personal time. In 2015, the Social Responsibility Team aims to increase recorded volunteer hours through outreach and encouraging each facility to host service events.



DAY OF CARING

During our 2014 Appreciative Inquiry Summit, we held a Day of Caring where more than 530 Family Members and friends descended on an overgrown forest near Ottawa, IL, to clear it of brush and invasive plant species. The 3,720 hours dedicated on a single day jumpstarted the efforts of The Conservation Foundation at Dayton Bluffs Preserve to turn the forest into a thriving community park with trails.

IN 2014
OUR COMMUNITY
INVESTMENT
TOTALED
APPROXIMATELY
\$3.9
MILLION



MEALS WITH LOVE

Family Members in Illinois saw the need to address childhood hunger and launched Meals with Love to provide after school snacks to students. The Fairmount Foundation provided support for this initiative by providing funds to purchase non-perishable food items for the program. Family Members regularly volunteer every Tuesday to pack snack bags, which are distributed to children in need. Students then have access to snacks when they arrive home from school. Our Family Members are very passionate about the Meals with Love program and worked to ensure the initiative had adequate funding and volunteers to be successful. The program has expanded to three facilities and provides weekly food items for approximately 500 children.

OUR CUSTOMER
SATISFACTION
INDEX EQUALS
99.93%

G4-DMA, G4-EC1, G4-EC7

AVERAGE VOLUNTEER HOURS PER EMPLOYEE

2011	2012	2013	2014
15.7	16.8	13.7	16.0

TOTAL VOLUNTEER HOURS

2011	2012	2013	2014
12,417	10,176	8,951	19,713

In 2014, Fairmount Santrol committed to long-term grants for projects with The Western Reserve Land Conservancy (WRLC) and the Northern Ohio Golf Association (NOGA). Our partnership with WRLC supports the Cleveland Urban Forestry Project, which will increase tree canopy in metropolitan areas. Beyond sequestering carbon emissions, increasing tree canopy has been directly linked to improved health, increased prosperity, and lower crime rates. Our collaboration with NOGA includes sponsorship of the Return to Golf® program, which benefits physically disabled children and adults. During weekly visits at the Wharton Golf Center in North Olmsted, OH, Return to Golf participants work one-on-one with PGA Professionals and physical therapists to promote rehabilitation-based fitness and social interaction. In September 2014, we held our second event and hope to expand the program to other facilities in coming years.

Commodity Pricing and Demand

Our strong stakeholder relationships, commitment to sustainable development, in-basin distribution network, and innovative product offerings differentiate us as a partner of choice in the oil and gas industry and help ensure our longevity. Given current and historical market fluctuations, commodity pricing and demand is significant to our organization; however, it lies outside the sphere of our direct influence. What we do manage are our efforts to strengthen the resilience of our business by proactively building our capabilities and distribution networks, making responsible investments, and budgeting conservatively.

Product Quality

G4-DMA

Our promise to customers is to deliver quality products, on time, and provide exceptional customer service. We track customer feedback and address concerns through our customer service representatives and our annual online survey, which contains 12 questions focused on order placement, delivery, quality, service, and packaging. To this end, our goal is to have a greater than 99 percent Customer Satisfaction Index, and in 2014, we achieved 99.93 percent.

We follow the standards and quality testing methods of the American Petroleum Institute, American Foundry Society, American Water Works Association, and the U.S. Department of Agriculture. Each Fairmount Santrol facility has individual key performance indicators specific to their products and processes in order to achieve the highest possible quality. Plant managers are accountable for the quality at each site and are assisted by Quality Managers and Lab Technicians who report to the Director of Product Quality. We conduct quality testing of all of our products several times throughout the production process, either onsite at each plant or at our Innovation Center in Ottawa, IL, or at our Technology Center in Sugar Land, TX.

All plant managers sign and acknowledge our quality policy, and 100 percent of our production facilities undergo regular product quality testing. Facilities are diligently working to become or remain ISO 9001 certified, adhering to a prestigious quality management system. Internal audits are conducted on a regular basis with certified internal auditors. External audits are conducted once per year by American Systems Registrar, the certifying body for ISO standards.

ISO 9001 registered sites include:

- Bridgman, MI
- Chardon, OH
- Hager City/Bay City, WI
- Harrietta, MI
- Maiden Rock, WI
- Menomonie, WI
- Monterrey, Mexico
- Roff, OK
- Troy Grove, IL
- Wedron, IL (two facilities)
- Yixing, China

With the exception of three sites using proprietary technology, our remaining sites will achieve ISO 9001 certification within two years.

In 2014, we piloted a computer particle analyzer at our Wedron, IL, facility. This highly accurate device uses light and a camera to identify the size of sand particles. Up to 10 samples can be tested at a time, dramatically speeding up our quality testing process compared to traditional shakers. We will continue trials at Wedron, and pending a quality verification of this new technology, we will invest in additional analyzers.

The biggest challenges related to product quality occur from transportation, weather, and handling after products depart our facilities. We are addressing these challenges by strengthening our management of the outbound shipment process. Initiatives include investing in additional terminals to directly supervise product handling, which will ensure shipments arrive to customers dry and contaminant free. In many cases, we have transitioned from system cars to private railcars to eliminate residue left behind from the transport of various other products. Additionally, we are working with suppliers to improve packaging durability.

Product Innovation

G4-DMA

Our research and development teams strive to create industry-leading customer solutions achieved through a culture of innovation and collaboration. In addition to supporting multiple SD Teams with a focus on innovation, we are expanding our capabilities and staffing at our research and development facilities.

We are focused on creating *Boldly Differentiated* products and technologies that reduce completion costs, increase production, and generate more effective solutions for our oil and gas customers in order to lower their costs. Our innovative Propel SSP™ technology addresses customer needs by enabling proppants to go farther and higher into a formation, increasing oil and gas production. Propel SSP proppant transport technology can increase hydraulic fracturing efficiencies by reducing energy, chemical, and water requirements. In 2014, with the help of Propel SSP technology, we formed partnerships with water treatment companies to conduct feasibility studies for using produced water (water already used in the oil and natural gas extraction process) in place of freshwater for hydraulic fracturing. We will continue this collaborative effort through 2015 in hopes of yielding positive results.

In our resin-coated products, we are lowering free phenols and creating or identifying alternative chemistries that are free of any leachants or chemicals of concern.

Innovation efforts for our industrial and recreation customers include reducing emissions and waste streams at Fairmount Santrol and customer facilities, incorporating recycled content into our product offerings, and enhancing our product lines through increased process efficiencies and raw material sourcing.

INVESTING IN INNOVATION

	2012	2013	2014
Full-Time Equivalents (FTEs) in Innovative Research and Development Technology Projects	10.5	16.6	21.3
Total Business Innovation SD Team Members	45	43	42
TOTAL	55.5	59.6	63.3

In 2014, the Environmentally Responsible Products and Processes (ERPP) Team reduced the amount of an additive used in our oil and gas resin-coated products as well as lowered the process temperature. This practice was incorporated at one plant in 2014, generating >\$479,000 in savings. We are currently investigating whether this best practice can be leveraged at additional plants. The team will continue to guide existing initiatives and begin new initiatives on process improvements through testing at our coating facilities, reprocessing and reuse of our waste streams, as well as improving material transfer and storage at our terminals and at the customer locations. The team will also look at product improvements through evaluation of new raw materials and investigate potential new product opportunities.

In 2014, the Business Innovation (BI) Team developed an innovation toolbox and promoted its use to Family Members through a media campaign and facility outreach. Beyond implementing creative ideas to improve efficiency company-wide, the BI Team strives to create a culture of innovation where all Family Members know that they are empowered to contribute.

Conclusion

Fairmount Santrol believes in being *Boldly Different*. This means we pursue leadership opportunities with courage and confidence. With the hard work and dedication of our Family Members, we met record-high customer demands while building capabilities and infrastructure, embraced a new identity, advanced sustainable development, and took our company public. What makes us *Different*? We accomplished all this while being recognized as the partner and employer of choice, and a good neighbor. For our enduring commitment to People, Planet, and Prosperity, supported by our unparalleled actions and transparency, we are *Boldly Different*.

In 2015, our Fairmount Santrol Family Members will courageously lead us toward new Bold Goals, and we will positively impact the SD areas that matter most. We are committed to responsible SD investments that continually secure our position as the partner and employer of choice and provide value to our shareholders. We will continue to step forward and be *Boldly Different*, in our wholehearted belief that Fairmount Santrol can "Do Good." and "Do Well." You will see us set the bar high and continue to raise it, for ourselves and our industry, because we believe in being an agent of world benefit.



GRI CONTENT INDEX

GENERAL STANDARD DISCLOSURES			
G4 INDICATOR	DESCRIPTION	LOCATION	EXTERNAL ASSURANCE
STRATEGY AND ANALYSIS			
G4-1	CEO Letter	CEO Letter (pp. 2–3)	No
ORGANIZATIONAL PROFILE			
G4-3	Name of the organization	Fairmount Santrol	No
G4-4	Primary brands, products and/or services	What Makes Us Different (p. 5)	No
G4-5	Location of organization's headquarters	Chesterland, OH	No
G4-6	Number of countries where the organization operates	What Makes Us Different (pp. 6–7)	No
G4-7	Nature of ownership and legal information	2014 Annual Report 10-K	No
G4-8	Markets served	What Makes Us Different (pp. 5–7)	No
G4-9	Scale of the reporting organization	2014 Annual Report 10-K	No
G4-10	Total number of employees by employment contract and gender	What Makes Us Different (p. 7)	No
G4-11	Percentage of total employees covered by collective bargaining agreements	What Makes Us Different (p. 7)	No
G4-12	Describe the organization's supply chain	Stakeholder Engagement and Materiality (p. 14)	No
G4-13	Significant changes during the reporting period regarding size, structure or ownership	2014 Annual Report 10-K	No
G4-14	Explanation of whether and how the precautionary approach or principle is addressed by the organization	We do not formally apply the precautionary principle in our business	No
G4-15	Externally developed economic, environmental and social charters, principles or other initiatives to which the organization subscribes or endorses	Global Reporting Initiative, United Nations Global Compact	No
G4-16	Memberships in associations and/or national/international advocacy organizations	Partners and Collaboration (p. 9)	No
IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES			
G4-17	Scope of financial and nonfinancial reporting	2014 Annual Report 10-K Exhibit 21.1 (List of Subsidiaries); all entities in Exhibit 21.1 are covered in this report	No
G4-18	Process for defining report content	Stakeholder Engagement and Materiality (pp. 14–15)	No
G4-19	List all material aspects	Stakeholder Engagement and Materiality (pp. 16–17), Content Index	No
G4-20	Boundary of the report	Stakeholder Engagement and Materiality (pp. 16–17)	No
G4-21	Basis for reporting on joint ventures, subsidiaries, leased facilities, outsourced operations, and other entities	Stakeholder Engagement and Materiality (pp. 16–17)	No
G4-22	Explanation of the effect of any restatements of information provided in earlier reports	We have restated some data throughout our report from previous years due to improved data collection and management systems: Employer of Choice (p. 24), Energy Use (p. 36), and Air Quality (p. 37)	No
G4-23	Significant changes from previous reporting periods in the scope and aspect boundaries	About This Report (p. 5), Transition from G3.1 report to Core Level G4 report	No

GENERAL STANDARD DISCLOSURES

G4 INDICATOR	DESCRIPTION	LOCATION	EXTERNAL ASSURANCE
STAKEHOLDER ENGAGEMENT			
G4-24	List of stakeholder groups engaged by the organization	Stakeholder Engagement and Materiality (p. 18)	No
G4-25	The basis for identification and selection of stakeholders with whom to engage	Stakeholder Engagement and Materiality (p. 15)	No
G4-26	The organization's approach to stakeholder engagement, including frequency of engagement by type and by stakeholder group, and an indication of whether any of the engagement was undertaken specifically as part of the report preparation process	Stakeholder Engagement and Materiality (p. 18)	No
G4-27	Key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns, including through its reporting. Report the stakeholder groups that raised each of the key topics and concerns	Stakeholder Engagement and Materiality (p. 18); our response to key topics and concerns raised by stakeholders is described in our disclosures on our management approach for each material topic throughout this report	No
REPORT PROFILE			
G4-28	Reporting period	Calendar year	No
G4-29	Date of previous report	Our most recent previous report was published in 2014	No
G4-30	Reporting cycle	We report annually	No
G4-31	Sustainability contact point	For questions regarding our report or its content, please contact Beau Daane, Director of Sustainable Development, at Beau.Daane@FairmountSantrol.com	No
G4-32	GRI Index	GRI G4 Core Level Report	No
G4-33	Policy and current practice with regard to seeking external assurance for the report	This report is not externally assured	No
GOVERNANCE			
G4-34	Governance structure of organization, including committees of highest governance body	Corporate Governance (p. 8); our board of directors is composed of seven members, one woman and six men, and includes one executive, two independent directors, and four shareholders	No
ETHICS AND INTEGRITY			
G4-56	The organization's values, principles, standards and norms of behavior such as codes of conduct and codes of ethics	Compliance and Ethical Behavior (p. 32)	No



SPECIFIC STANDARD DISCLOSURES*			
G4 INDICATOR	DESCRIPTION	LOCATION	OMISSION
CATEGORY: ECONOMIC			
PROSPERITY OF FAMILY MEMBERS			
GRI MATERIAL ASPECTS INCLUDED: ECONOMIC PERFORMANCE			
G4-DMA	Management approach	Prosperity Family Members (pp. 47–48)	
G4-EC1	Direct economic value generated and distributed	Prosperity Family Members (pp. 47–48), Community Investment (pp. 48–50), 2014 Annual Report 10-K	
COMMUNITY INVESTMENT			
GRI MATERIAL ASPECTS INCLUDED: INDIRECT ECONOMIC IMPACTS			
G4-DMA	Management approach	Community Investment (pp. 48–50)	
G4-EC7	Development of significant infrastructure investments and services supported	Community Investment (pp. 48–50)	
Indicator	Total volunteer hours and average volunteer hours per employee	Community Investment (p. 50)	
COMMODITY PRICING AND DEMAND			
G4-DMA	Management approach	Commodity Pricing and Demand (p. 50)	
Indicator	N/A	N/A	The Indicator for Commodity Pricing and Demand is currently unavailable; this material topic is external in boundary and we do not have a way to measure performance at this time
PRODUCT INNOVATION			
GRI MATERIAL ASPECTS INCLUDED: PRODUCTS AND SERVICES			
G4-DMA	Management approach	Product Innovation (p. 52)	
Indicator	Engagement from Full-Time Equivalents (FTE) in innovative research and development technology projects	Product Innovation (p. 52)	
PRODUCT QUALITY			
GRI MATERIAL ASPECTS INCLUDED: PRODUCT AND SERVICE LABELING			
G4-DMA	Management approach	Product Quality (p. 51)	
Indicator	Number of sites that have achieved ISO 9001 certification out of total number of sites	Product Quality (p. 51)	

*None of the Specific Standard Disclosures are externally assured.



SPECIFIC STANDARD DISCLOSURES*			
G4 INDICATOR	DESCRIPTION	LOCATION	OMISSION
CATEGORY: ENVIRONMENTAL			
ENERGY USE			
GRI MATERIAL ASPECTS INCLUDED: ENERGY			
G4-DMA	Management approach	Energy Use (pp. 35–36)	
G4-EN3	Total fuel (from renewable and non-renewable sources), energy, heating, cooling, and steam consumption, and total electricity, heating, cooling, and steam sold	Energy Use (p. 36); our energy consumption metric includes electricity (indirect) and fuel (direct); Fairmount Santrol does not sell any electricity, heating, cooling or steam; we leveraged multiple sources available on epa.gov for conversion factors and methodologies, including Primary kWh to Btu number from U.S. DOE/EIA, 2004 Annual Energy Outlook, 2004, Appendix H	We do not track fuel consumption from renewable compared to non-renewable resources at this time; the information is currently unavailable
G4-EN5	Energy intensity ratio, types of energy included, and whether the ratio uses energy consumed within the organization, outside of it or both	Energy Use (p. 36); the ratio is comprised of fuel used directly by Fairmount Santrol and electricity sourced from suppliers	
WATER USE AND QUALITY			
GRI MATERIAL ASPECTS INCLUDED: WATER			
G4-DMA	Management approach	Water Use and Quality (p. 38)	
G4-EN10	Total volume of water recycled and reused by the organization, and total volume of water recycled and reused as a percentage of the total water withdrawal	Water Use and Quality (p. 38)	We are unable to disclose the total volume of water recycled and reused by the organization at this time
LAND MANAGEMENT, REMEDIATION, AND BIODIVERSITY			
GRI MATERIAL ASPECTS INCLUDED: BIODIVERSITY			
G4-DMA	Management approach	Land Use, Reclamation, and Biodiversity (pp. 39–41)	
G4-EN13	Size and location of all habitat protected areas or restored areas, and whether the success of the restoration measure was or is approved by independent external professionals	Land Use, Reclamation, and Biodiversity (p. 39); we comply with all reclamation requirements from local governing bodies and those defined in the permitting process, which may include third-party approval at some locations, but not all	
AIR QUALITY			
GRI MATERIAL ASPECTS INCLUDED: EMISSIONS			
G4-DMA	Management approach	Air Quality (p. 37)	
G4-EN15	Gross direct (Scope 1) GHG emissions in metric tons of CO ₂ equivalent	Air Quality (p. 37); our chosen base year is 2013 so we can compare our emissions year over year; we include CO ₂ , N ₂ O, and CH ₄ from fuel sources in our calculations; we do not have any biogenic emissions for this reporting period; our source for emissions factors is the U.S. EPA, Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2002, Annex 6; our chosen consolidation approach is operational control	

*None of the Specific Standard Disclosures are externally assured.

SPECIFIC STANDARD DISCLOSURES*			
G4 INDICATOR	DESCRIPTION	LOCATION	OMISSION
G4-EN16	Gross energy indirect (Scope 2) GHG emissions in metric tons of CO ₂ equivalent	Air Quality (p. 37); emissions included in our calculations are CO ₂ from electricity; our chosen base year is 2013 so we can compare our emissions year over year. Our sources include the U.S. DOE/ EIA, 2004 Annual Energy Outlook, 2004, Appendix H and the U.S. EPA, Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2002, Annex 6; our chosen consolidation approach is operational control	
G4-EN18	GHG emissions intensity ratio and types of GHG emissions included	Air Quality (p. 37); our emissions intensity ratio includes Scope 1 and Scope 2 emissions; we include CO ₂ , N ₂ O, and CH ₄ from in our calculations	
SOLID WASTE			
GRI MATERIAL ASPECTS INCLUDED: EFFLUENTS AND WASTE			
G4-DMA	Management approach	Solid Waste (pp. 42–43)	
G4-EN23	Total weight and disposal method of hazardous and non-hazardous waste, and how the disposal method has been determined	Solid Waste (p. 43); we dispose of our waste through recycling, composting, waste to energy, and landfills; our waste disposal method has been determined by our direct disposal of waste and information provided by waste contractors	Waste by disposal method is currently unavailable. We do not measure our waste by disposal method at this time
TRANSPORTATION LOGISTICS, EFFICIENCY, AND EMISSIONS			
GRI MATERIAL ASPECTS INCLUDED: TRANSPORT			
G4-DMA	Management approach	Transportation Logistics, Efficiency, and Emissions (pp. 44–45)	
G4-EN30	Significant environmental impacts of transporting products and other goods and materials for the organization's operations, and transporting members of the workforce	Transportation Logistics, Efficiency, and Emissions (pp. 44–45); Air Quality (p. 37)	Impacts from transporting members of the workforce are not material compared with the transportation footprint of shipping our products
CATEGORY: SOCIAL – LABOR PRACTICES AND DECENT WORK			
EMPLOYER OF CHOICE			
GRI MATERIAL ASPECTS INCLUDED: EMPLOYMENT, TRAINING AND EDUCATION			
G4-DMA	Management approach	Employer of Choice (pp. 23–25)	
G4-LA10	Type and scope of programs implemented and assistance provided to upgrade employee skills, and transition assistance programs provided to facilitate continued employability and the management of career endings resulting from retirement or termination of employment	Employer of Choice (pp. 23–25), Prosperity of Family Members (pp. 47–48)	We provide assistance to Family Members, but do not have a formal transition assistance program at this time
BEST-IN-CLASS SAFETY			
GRI MATERIAL ASPECTS INCLUDED: OCCUPATIONAL HEALTH AND SAFETY			
G4-DMA	Management approach	Best-in-Class Safety (pp. 26–29)	

*None of the Specific Standard Disclosures are externally assured.

SPECIFIC STANDARD DISCLOSURES*

G4 INDICATOR	DESCRIPTION	LOCATION	OMISSION
G4-LA6	Types of injury, injury rate (IR), occupational diseases rate (ODR), lost day rate (LDR), absentee rate (AR) and work-related fatalities for the total workforce	Best-in-Class Safety (p. 26); we had no work-related fatalities in 2014	Safety rates by region and gender, and contractor safety metrics are currently unavailable; we benchmark our safety metrics against our industry and do not track data by gender and region at this time; we work very closely with contractor populations to manage safety training and daily implementation

STAKEHOLDER EDUCATION AND INFLUENCE

GRI MATERIAL ASPECTS INCLUDED: SUPPLIER ASSESSMENT FOR LABOR PRACTICES, SUPPLIER ENVIRONMENTAL ASSESSMENT

G4-DMA	Management approach	Stakeholder Education and Influence (p. 33)	
G4-LA14	Percentage of new suppliers that were screened using labor practices criteria	Stakeholder Education and Influence (p. 33)	
G4-EN32	Percentage of new suppliers that were screened using environmental criteria	Stakeholder Education and Influence (p. 33)	

CATEGORY: SOCIAL – SOCIETY

COMMUNITY IMPACT AND PARTNER OF CHOICE

GRI MATERIAL ASPECTS INCLUDED: LOCAL COMMUNITIES

G4-DMA	Management approach	Community Impact/ Partner of Choice (p. 30)	
G4-SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	Community Impact/ Partner of Choice (p. 30)	

COMPLIANCE AND ETHICAL BEHAVIOR

GRI MATERIAL ASPECTS INCLUDED: COMPLIANCE

G4-DMA	Management approach	Compliance and Ethical Behavior (p. 32)	
Indicator	Number of sites that have achieved OHSAS 18001 certification and ISO 14001 certification out of total number of sites	Best-in-Class Safety (p. 29), Planet section introduction (p. 35)	

CATEGORY: SOCIAL – PRODUCT RESPONSIBILITY

PRODUCT HEALTH AND SAFETY

GRI MATERIAL ASPECTS INCLUDED: CUSTOMER HEALTH AND SAFETY

G4-DMA	Management approach	Product Health and Safety (p. 29)	
Indicator	Percentage of employees who are: a. fit-tested for respirators, and b. who undergo biennial health testing	Product Health and Safety (p. 29)	

*None of the Specific Standard Disclosures are externally assured.

Contact Us

We welcome feedback on both this 2014 Corporate Social Responsibility Report and our corporate social responsibility efforts. Please send comments directly to Beau.Daane@FairmountSantrol.com or contact us at Fairmount Santrol, 8834 Mayfield Road, Chesterland, OH 44026.





100%

Printed responsibly on Neenah Environment PC 100.

© 2015 Fairmount Santrol.