

GREEN ANNUAL REPORT



“At Earth Force, we develop young people to have the knowledge, skills, and motivation to solve tough environmental problems. Through GREEN, students are applying these skills and knowledge to create more sustainable communities. General Motors’ continuous support of this program, now in its 27th year, has provided invaluable STEM education and career connections for over 180,000 students.”

VINCE MELDRUM, EARTH FORCE PRESIDENT AND CEO



2016

GREEN VALUE

89%	<p>Value to Employees</p> <p>of participating GM employees want to participate in GREEN again</p>
97%	<p>of participating GM employees report that the GREEN experience was personally fulfilling</p>
92%	<p>of participating GM employees report that GREEN improves their level of workplace satisfaction</p>
<p>GREEN Performance Metrics 2016 Value to Community</p>	
15,094	<p>Number of students engaged</p>
68	<p>Number of student-driven action projects</p>
6	<p>Number of student summits</p>
51	<p>Number of facilities participating in the program</p>
100%	<p>GM manufacturing facilities in U.S. and Canada participating in the GREEN program</p>
6.5	<p>Average number of volunteers per facility</p>



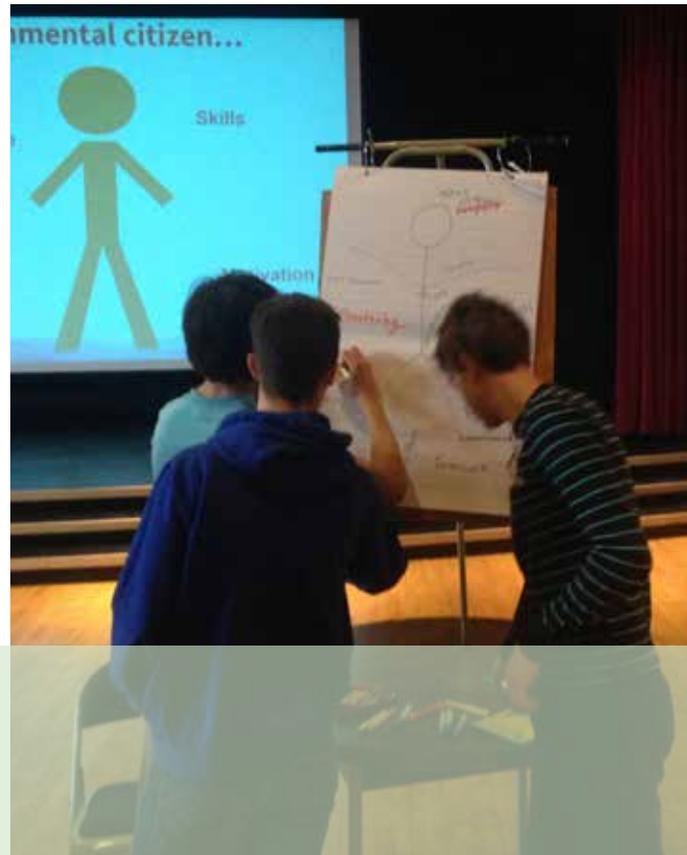
GREEN STORIES



Newfane High School students are diverting hundreds of gallons of runoff. Motivated to help their community reduce pollution and improve water quality, students in Lockport, NY, designed, engineered, and distributed six rain barrels. Each barrel holds close to 50 gallons of rainwater and comes equipped with a water spout. The class took a field trip to Singer Farm Naturals, an organic farm run entirely on green infrastructure. Students toured the operation and donated one of the six rain barrels. They also donated barrels to Newfane Town Hall and the Niagara County Soil and Water Conservation District. ■

GREEN STORIES

Students tackled food insecurity in remote areas of Canada after gaining civic skills at an Earth Force professional development in Kapuskasing, ON. Concerned about the lack of access to healthy, affordable food after the price of a head of cauliflower soared to \$6 over the winter, students evaluated community resources and learned project management skills. After leaving, the students embarked on their project to educate 85 local youth on the possibilities of growing their own food through a day of learning and hands-on activities. The event, “Veggiecation 2016,” was a day-long conference promoting the importance of small-scale, local agriculture to address food insecurity. The students now plan to make ‘Veggiecation 2016’ an annual event. ■



civic skills



GREEN faced the water crisis in Flint head on, as educators and students alike applied STEM knowledge to understand the root cause of the crisis and its environmental implications. Shortly after the news about the crisis broke, Earth Force hosted a professional development that demonstrated the power of inquiry-based learning by having participants probe for answers to the truth rather than taking information at face value. Through this process, participants questioned their assumptions and learned firsthand that the Flint River was not the source of contamination. Rather, it was the old pipes that service homes and businesses. ■



STEM knowledge

GREEN PARTNERS AND PARTICIPATING FACILITIES



PARTNER | FACILITY

BRITISH COLUMBIA



Vancouver PDC

COLORADO



Denver PDC

CONNECTICUT



Chevrolet Northeast Regional Marketing
Ingersoll Auto

ALBERTA



Edmonton PDC

INDIANA



Bedford Casting Operations
Fort Wayne Assembly
Kokomo Operations
Marion Metal Center

KANSAS



Fairfax Assembly

“GREEN exemplifies values important to GM and causes we have long supported: preserving our natural resources, advancing STEM education, and serving and improving the communities where we live and work.”

LEE HACHIGIAN
GM, DIRECTOR, ENVIRONMENTAL COMPLIANCE AND SUSTAINABILITY

CILITIES

PARTNER | FACILITY

KENTUCKY



Bowling Green Assembly

MARYLAND



Baltimore Operations

MICHIGAN



Bay City Powertrain



Detroit-Hamtramck Assembly
UAW-GM Center for Human Resources
GM Renaissance Center (Global Headquarters)
Romulus Engine



Flint Engine
Flint Assembly
Flint Metal Center
Swartz Creek CCA
Flint Tool and Die
Customer Care and Aftersales Global Headquarters
Saginaw Metal Casting Operations



Grand Rapids Operations



Lansing Delta Township Assembly
Lansing Grand River Assembly
Lansing Regional Stamping



Milford Proving Ground



Orion Assembly
Pontiac Metal Center
Pontiac Powertrain HQ
Pontiac Redistribution Center
GM Warren Technical Center
Warren Transmission

MISSOURI



Wentzville Assembly

PARTNER | FACILITY

NEW YORK



Lockport Components



Rochester Operations



Tonawanda Engine Plant

OHIO



Defiance Casting Operations



Parma Metal Center



Lordstown Assembly
Lordstown Metal Center



Toledo Powertrain

ONTARIO



Kapuskasing Kapuskasing Cold Weather Development Center



Oshawa Assembly Plant



St. Catharines Powertrain



Woodstock CCA
CAMI Assembly Plant

QUEBEC

Montreal CCA

TENNESSEE



Spring Hill Manufacturing

TEXAS



Arlington Assembly



“Our employees enjoy mentoring students through GREEN, showing them what a potential STEM career might look like, This initiative helps us to inspire future leaders and serve our communities.”

MARI KAY SCOTT

GM, EXECUTIVE DIRECTOR,
GLOBAL ENVIRONMENTAL
COMPLIANCE & SUSTAINABILITY

“GREEN allows me to draw on my experience in hands-on learning to more intentionally connect my students to their community and the environment, which means my students live the program. They’re building critical STEM knowledge that they apply when creating sustainable environmental solutions.”

TRACY ORTIZ

GREEN EDUCATOR, DETROIT, MI

2016 GREEN Highlights



GM's Vancouver Parts Distribution Center earned the **Formal Project Award** at the Wildlife Habitat Council's Conservation Conference for its work with GREEN, convening more than 400 students five times a year. To win, the program had to be connected to academic standards, meet a need identified by the community, and relate to a habitat on site.



Earth Force honored **Gerald King**, the lead mentor from the Lordstown facility, with the 2016 GREEN Mentor Award for **Outstanding Leadership** at the Regional GM Environmental Engineers meeting.



The **first bilingual GREEN program**, in French and English, launched in Pointe-Claire, QC with two educators at John Rennie High School.



“Conservation is core to our organization and our community. Through GREEN, we engage students as they’re just starting to form ideas about their role in society. We want them to play a role in protecting our environment throughout their lifetime.”

DEBBIE VERNON, GREEN PARTNER, ARLINGTON, TX



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