for a brighter future

AMERICAS SUSTAINABILITY REPORT 2015
“Toshiba” refers to the companies and people in Japan and throughout the world who stand behind the name “Toshiba.” The “Toshiba Group” of companies consists of Toshiba Corporation of Japan and its subsidiaries around the world. “Toshiba Americas” refers to Toshiba America, Inc. and other selected Toshiba Group companies that are based in the Americas. This report is for Toshiba Americas. A listing of companies included in this report is referenced on page 2.

This report contains plans and strategies for Toshiba’s future, as well as prospects regarding our performance. Such information is based on information currently available to us.
In the last decade, Toshiba Americas has extended its presence far beyond that of providing advanced technologies. We are a world leader of innovations that improve lives, make our society safer and more comfortable. We've made forward-looking investments and developed technologies in energy, storage and healthcare that address some of the world's most critical and complex issues.

These issues include rapid economic development and population growth, particularly in the emerging economies; demand for more energy globally; efficient use of our finite natural resources; securing a reliable supply of clean energy, clean water and clear air; and ensuring food safety. More recently, the increasing frequency and scale of natural disasters has emerged as an issue that many countries must address and deep concern about climate change continues to be top of mind.

Toshiba has recognized the need to take action to find solutions. In the Americas, Toshiba is working toward a brighter future where living is safer and more comfortable, medical diagnosis is more precise and less invasive, the environment is cleaner, and energy is more accessible and low carbon based. Through FY 2014 and beyond, a number of Toshiba projects support this very vision.

Toshiba is an integral player in the development of clean, low-cost thermal power sources, supplying a first-of-a-kind supercritical CO2 turbine to a demonstration plant being built in Texas.

Recognizing the importance of hydrogen as a clean, efficient energy source of the near future, Toshiba is using renewable energy to power systems that generate hydrogen and fuel cells that convert hydrogen into electricity.

Toshiba's SCiB™ batteries are being used to provide a cleaner, more energy-efficient alternative to fossil fuels for mass transit. The batteries have also been utilized in a pilot project that ensures grid reliability and reduces infrastructure costs for a regional transmission organization that powers much of the eastern United States.

Toshiba's technology is also at the heart of some of today's most exciting advances in healthcare. In early 2015, Toshiba's Aquilion ONE CT™ system made it possible for doctors to successfully separate conjoined twins in a groundbreaking surgery using Toshiba technology. And in 2014, Toshiba was awarded the Innovative Technology designation by Novation for its Dose Tracking System that allows for safer patient exams.

In Los Angeles, sporting and entertainment powerhouse AEG is partnering with Toshiba in an effort to reduce energy consumption at several of its most renowned entertainment complexes. Toshiba also was named the Official Electronics Provider for AEG's STAPLES Center, where it will install more than 800 digital displays.

As a multinational corporation, it is our responsibility to be a leader when complying with laws and regulations that cover issues such as environmental protection, human rights and labor issues. We place additional emphasis on these issues at our manufacturing sites in emerging economies and we also require our supply chain partners to abide by these same standards.

Our corporate philosophy that places emphasis on respect for people and contributing to society is the foundation of our CSR management. We continually look to our employees to join together in support of our corporate philosophy and make Toshiba a leading global company trusted by our stakeholders.

As a company that is ever evolving, Toshiba will listen to our stakeholders as we strive to work together to achieve our corporate and societal goals. We are committed to providing solutions through our business activities and social initiatives that will address complex global issues.

FUMIO OTANI
Chairman and CEO of Toshiba America, Inc.
Toshiba was established in 1875 and today consists of consolidated subsidiaries and 198,741 employees worldwide.

**EST. 1875**

- **584 CONSOLIDATED SUBSIDIARIES**
- **198,741 EMPLOYEES**

Toshiba North America began in 1965 and today consists of consolidated subsidiaries and 22,493 employees.

**EST. 1965**

- **74 CONSOLIDATED SUBSIDIARIES**
- **22,493 EMPLOYEES**

Toshiba’s consolidated net sales for FY2014 totaled $55.47 billion, and the North American sales were $9.37 billion, or 17% of the company’s global net sales.

**17% OF THE COMPANY’S GLOBAL NET SALES**

**IN FY2014:**

**$29.57 MILLION** to initiatives worldwide,

**$3.29 MILLION** provided by Toshiba North America.

DATA AS OF MARCH 31, 2015

EXCHANGE RATE US$1 = 120 YEN AS OF MARCH 2015. TOSHIBA INTERNAL RATE. THIS INCLUDES DISASTER RELIEF EFFORTS, MAJOR SPORTS EVENTS AND IN-KIND DONATIONS BY MOST OF THE TOSHIBA AMERICA GROUP COMPANIES (INCLUDING WEC).
As a leader in innovation, Toshiba is committed to preserving our irreplaceable planet so that it may be handed down to the next generation with pride. Toshiba’s investments in energy, storage and healthcare sectors are addressing the world’s most critical and complex issues.

Our businesses offer a cleaner, more energy-efficient alternative to fossil fuels for society and communities. We work with leaders in energy production, transmission and distribution to generate and store sustainable energy, manage a reliable grid and ensure safe and secure energy distribution for people around the world.

Our many efforts focus on improving both the sustainability of our planet and the way people live. We work together to ensure that our environment is protected, our people can thrive and our society remains healthy and secure. We are committed to help create a world that is cleaner, healthier and more comfortable for all people.

In the Americas Sustainability Report 2015 for FY 2014 (April 2014 through March 2015), we highlight these and many other ways we are contributing to improving peoples’ lives through the initiatives of:

**TOSHIBA AMERICA, INC. (TAI)**

**MAJOR CONSOLIDATED COMPANIES**
- TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC. (TAEC)
- TOSHIBA AMERICA ENERGY SYSTEMS CORPORATION (TAES)
- TOSHIBA AMERICA INFORMATION SYSTEMS, INC.* (TAIS)
  *TOSHIBA DE MEXICO, S.A. DE C.V. (TDM, SUBSIDIARY OF TAIS)
- TOSHIBA AMERICA MEDICAL SYSTEMS, INC. (TAMS)
- TOSHIBA AMERICA NUCLEAR ENERGY CORP. (TANE)
- TOSHIBA INTERNATIONAL CORP. (TIC)

**TOSHIBA GROUP’S CONSOLIDATED COMPANIES**
- LANDIS+GYR
- TOSHIBA GLOBAL COMMERCE SOLUTIONS, INC. (TGCS)
- VITAL IMAGES (VITAL)
- WESTINGHOUSE ELECTRIC COMPANY, LLC. (WEC)

**MAJOR AFFILIATED COMPANIES**
- TOSHIBA AMERICA BUSINESS SOLUTIONS, INC.* (TABS)
  *TOSHIBA BUSINESS SOLUTIONS, INC. (TBS, SUBSIDIARY OF TABS)
- TOSHIBA OF CANADA, LTD. (TCL)
- TOSHIBA SOUTH AMERICA, LTD. (TSAL)
- TOSHIBA MEDICAL DO BRASIL, LTDA. (TMB)
Creating a hydrogen-based society

As Toshiba has dedicated itself to developing energy efficient and environmentally sensitive Smart Communities, it has recognized the important role of hydrogen as a cleaner, more efficient energy source than fossil fuels. Today, Toshiba is working to create a hydrogen-based society, by creating a clean energy supply system using renewable energy to power hydrogen-generating systems and fuel cells that convert hydrogen into electricity—with zero carbon emissions.

Toshiba’s plan for realizing a hydrogen-based society includes products being developed for hydrogen manufacture, storage and consumption. Manufacturing will use renewable power sources, such as wind and solar, to create carbon-free hydrogen using water electrolysis to generate electricity. New hydrogen energy storage systems will allow massive amounts of the gas to be warehoused over long periods. This stored hydrogen will be available for use during peak demand periods to create electricity, using fuel cells to ensure a stable supply of electricity in each region without generating CO₂.

Stored hydrogen will be available during peak demand periods, ensuring a stable supply of electricity without generating CO₂.

(Toshiba’s technical area)
Toshiba to provide rapid recharge SCiB™ batteries for Proterra zero-emission bus fleet

In September 2014, Proterra, Inc. selected Toshiba as the battery supplier for its next generation, all-electric, zero-emission bus. The new fleet will use Toshiba’s SCiB™, rapid charging and safe rechargeable compact batteries with highly rated performance and long-life capabilities. The new Proterra bus will have nearly six times the fuel economy per kilometer/mile (when translated into conventional fuels) of a diesel bus and be a true zero-emission means of transport.*

Toshiba’s SCiB™ batteries can recharge in less than 10 minutes, allowing busses to charge during regularly scheduled route stops. Toshiba SCiB™ batteries have excellent thermal performance, enabling their high-rate charging capability, and minimal capacity degradation makes it possible to withstand 15,000+ charge-discharge cycles, depending on operating conditions. This operational life often exceeds that of the applications in which they are used, eliminating the need for battery replacement and reducing the environmental impact of waste batteries.

TIC and Duke Energy pilot energy storage technologies

In late 2014, TIC and Duke Energy began piloting a battery storage system designed to provide frequency regulation services. Located at Duke Energy’s W.C. Beckjord Station in New Richmond, Ohio, the joint five-year research project will use the Toshiba SCiB™ Battery Energy Storage System (BESS) to maintain the grid frequency for PJM, the regional transmission organization powering much of the eastern United States. Frequency regulation provides fast response adjustments to maintain constant frequency on the grid. Maintaining the frequency of the grid ensures reliability and helps to reduce infrastructure costs.

The advanced lithium ion (lithium titanate oxide) battery, Toshiba SCiB™ mitigates the variability of the grid and helps to stabilize the short-term changes in electricity use that might affect the stability of the power system. With renewable portfolio standards coming into effect, the large-scale integration of intermittent wind and solar generation will affect the physical operation of the modern grid, resulting in an increasing need for regulation services.

Leveraging Toshiba’s smart grid capabilities, Duke will use the Beckjord project to explore the potential for broader adoption of energy storage solutions throughout the industry such as large-scale renewable integration.

*Proterra was recognized by California Air Resources Board as the first company to deliver a full-size transit vehicle to meet California’s Zero-Emission Bus Rules. Source: www.proterra.com
Utilities select Landis+Gyr for smart grid managed services and Saas (Software as a Service)

Building upon a strong service business already in place, Landis+Gyr added several new utilities to its cloud-based, software-as-a-service offering for both meter data management and advanced metering network management. These utilities are taking advantage of Landis+Gyr’s expertise for building, maintaining and managing smart grid deployments and operations, so that utility employees can focus on delivering low cost, high quality power to their customers.

Beauregard Electric Cooperative, the Victory Electric Cooperative Association and Columbus Light & Water agreed to service contracts for meter data management that deliver anytime, anywhere access to data from a secure hosted environment. These utilities join a rapidly growing base of more than 250 utilities who purchase services from Landis+Gyr to support their smart grid initiative.

Thermal power generation system demonstration plant to receive Toshiba Supercritical CO2 Turbine

Toshiba will supply a first-of-a-kind supercritical CO2 turbine to a demonstration plant being built in Texas. The plant is being developed by NET Power, LLC, CB&I, Exelon Corporation and 8 Rivers Capital, the inventor of the unique supercritical CO2 power cycle used at this plant.

The new supercritical CO2 power cycle system uses high temperature and high-pressure gas at the turbine inlet. Toshiba’s combustor can cope with a gas pressure of 300 bars, more than 10 times the gas pressure utilized in conventional gas turbines. Toshiba will start delivering the key equipment in August 2016 with the plant expected to enter the commissioning stage later that year.

Toshiba gas-insulated transformers come to North America with Toronto Hydro

By installing Toshiba gas-insulated transformers (GITs), Toronto Hydro-Electric System’s (Toronto Hydro’s) underground transformer station is providing a safer, less intrusive solution to meeting the growing energy demands of downtown Toronto.

Toshiba GITs replace hazardous oil insulation with non-flammable SF6 gas—creating a safer and more economical transformer for overcoming sharp increases in power demand. The Toshiba GITs at the Toronto Hydro station are the first installed underground in North America.
TIC completes construction of St. Croix Solar Project
TIC completed construction of a four-megawatt solar generation facility in Spanish Town Estate of St. Croix, U.S. Virgin Islands in late 2014. The new facility is designed to reduce fuel costs by more than 60% over the next decade and reduce the island’s dependence on fossil fuel. In addition, the project generated about $3 million for the local economy during construction.

The power plant is estimated to produce enough energy to power the equivalent of more than 1,500 St. Croix homes.*

AEG names Toshiba its Official Electronics Provider and Founding Partner of Staples Center
In 2014, Toshiba America Business Solutions (TABS) was named a Founding Partner and the Official Electronics Provider of STAPLES Center by AEG, owners of the downtown Los Angeles sports and entertainment arena. As the exclusive supplier of digital signage and displays for the arena, Toshiba will supply STAPLES Center with more than 800 displays. Toshiba installed nearly 16,000 LED lights in the L.A. LIVE East and West Garages, which are expected to save approximately 1,800,000 kilowatt hours of electricity annually.** The net savings during a 10-year period should total $1,650,000, with an overall energy reduction of 56%.**

In November 2014, STAPLES Center launched “LA Interactive, Powered by Toshiba,” its state-of-the-art interactive destination where fans are encouraged to engage in social media activities relating to the NBA and NHL seasons. Located in the main concourse of STAPLES Center, it features leading Toshiba technology including a 6x13-foot LED video wall, an 8x5-foot Toshiba Ultra HD video wall, two 46-inch Toshiba Virtuoso interactive touch displays with team and event-specific information, a 60-inch Toshiba “Touch & Get” interactive kiosk allowing for high-speed transfers of exclusive Los Angeles Kings and STAPLES Center content, and three 65-inch Toshiba Ultra HD displays.

*Per EIA (U.S. Energy Information Administration), STX consumers average of 450 kWh/month/household, or 5,400 kWh/year. 8,300,000 kWh/5400 kWh/home=1,537 homes

**Compared to conventional lighting solutions.
Aquilion ONE™ CT critical in separating conjoined twins

In February, Toshiba technology was at the center of one of the most complex conjoined twins separation ever performed. Texas Children’s Hospital successfully separated Knatayle Hope and Adeline Faith Mata during a 26-hour surgery made possible in large part because of Toshiba’s Aquilion ONE™ CT system, which helped radiologists build detailed 3D models of the organs to determine the feasibility of the separation.

The Mata twins shared a chest wall and pericardial sac, as well as lungs, diaphragm, liver, intestines, colon and pelvis, creating a challenging anatomy for surgeons to navigate. Toshiba’s 640-slice Aquilion ONE™ with its volume-imaging capability captured the entire cardiovascular and visceral anatomy and helped assess how the organs were shared. In addition, ultra-fast imaging provided clear images, despite variable breathing and heart rates, critical to planning this first-of-its-kind procedure.

Award-winning Dose Tracking System protects patients during diagnosis and treatment

In September 2014, Toshiba was awarded the coveted Innovative Technology designation by Novation at the Innovative Technology Expo Irving, Texas for its Dose Tracking System (DTS) that provides a real-time display that tracks cumulative skin dose distribution, as well as peak skin dose, to provide a safer exam for patients.

The DTS is available for Toshiba’s entire line of Infinix™ cardiovascular X-ray systems. Toshiba also recently expanded DTS’s frontal and lateral coverage and its ability to account for tilt and cradle table movement.

The award was presented after a review of more than 200 attendees from hospitals around the U.S., reflecting the technology’s benefit to patient safety and its effectiveness.
The safety, security and prosperity of humankind in the coming decades will depend on actions taken today to address an ever-increasing population, fewer natural resources and urgent environmental issues, such as climate change. As Toshiba looks ahead to 2050, we envision our role as a creator of solutions that balance the needs of our planet with the needs and values of society that leads to prosperity for all.

To realize Vision 2050, Toshiba identified four areas of focus to reduce its impact on the environment. To illustrate this concept, Toshiba developed T-Compass.

**Toshiba’s T-Compass**

- **NATURAL RESOURCES:** minimizing the amount of natural resources consumed
- **WATER:** minimizing the amount of water consumed
- **SUBSTANCES:** minimizing the risks posed by chemical substances
- **ENERGY:** reducing energy consumption
MAKING A POSITIVE IMPACT ON THE Environment

Through a variety of initiatives designed to reduce water, waste and energy use, Toshiba companies and employees in the Americas are helping create a more sustainable planet, enabling our communities to enjoy fresh air, clean water and green spaces.

**LANDIS+GYR (REYNOSA, MX)**
Waste Reduction
By reusing packaging materials including cardboard, plastic trays, rubber bands and plastic part separators, the facility reduced waste by about 35 metric tons in FY2014.

**TIC (HOUSTON, TX)**
Waste Reduction
Single plastic sample cups replaced doubled paper cups in TIC’s HEV varnish operation. As a result of this change, the amount of cups going to disposal was reduced by about 50%.

**TAEC (SAN JOSE, CA)**
Energy Savings
As a result of moving its San Jose server that supported just one location, to its consolidated shared service site, TAEC will realize an annual energy savings of 780,000 kWh.

**TAIS (IRVINE, CA)**
Energy Savings
TAIS expects to save 165,260 kWh annually as a result of lighting retrofit projects and the installation of a more energy efficient HVAC system at its Irvine, CA headquarters.
### TCL (ONTARIO, CANADA): Waste Reduction

In FY2014, TCL Headquarters diverted from disposal 91% of waste generated on site through recycling, composting, and reuse. Waste management programs were also introduced to improve waste diversion at all 15 TCL locations across Canada.

### TGCS (DURHAM, NC): Waste Reduction

TGCS’s manufacturing facility in Durham, NC recycled 29 tons of cardboard in FY2014, generated from the packaging for components shipped to their site.

### TABS (IRVINE, CA): Waste Reduction

Through the “Zero Waste to Landfill” program and working with recycler Close the Loop, TABS prevented close to 200 tons of used toner consumables from entering the waste system in 2014. Since the program began in 2008, Toshiba has recycled more than 592 tons—the weight of 46 heavy-duty trucks—of toner products and put it to use making a variety of consumer products including park benches, fences and garden boxes for community organizations.

### TAES (MILWAUKEE, WI): Water Consumption Reduction

By installing a more efficient induction heater and chiller unit in its rotor maintenance operation, TAES expects to reduce its consumption of non-contact cooling water by approximately 226,000 gallons annually.

### Toshiba employees participate in Global Environmental Action 2014

In 2014, Toshiba set out to connect our employees around the world through a Global Environmental Action (GEA) program designed to reflect Toshiba’s commitment to the environment and create a sense of unity among employees. In April, May and June, approximately 2,000 employees at 12 companies and divisions in the Americas participated in environmental initiatives and projects to increase environmental awareness within their communities and workplaces that successfully reduced waste, minimized emissions and chemicals, decreased energy and water consumption and enhanced biodiversity. These GEA activities reflect the key goals identified in Toshiba’s Fifth Environmental Action Plan (2012–2015), establishing specific global targets and milestones to improve the company’s environmental performance. The GEA program culminated in a special ceremony on June 5, World Environment Day, in Kawasaki city, Japan.
MEASURING OUR ENVIRONMENTAL IMPACT

As part of Toshiba’s commitment to reduce its impact on the environment, we track data on key metrics (hazardous and non-hazardous waste, water withdrawal, CO₂ emissions and energy consumption) to monitor our progress. Data from 2009–2014 are provided below.

Hazardous & Non-Hazardous Waste by Weight & Disposal (Metric Ton)

![Hazardous & Non-Hazardous Waste by Weight & Disposal (Metric Ton)](image)

Note*: Adjustments are made annually to edit past environmental data to reflect new business acquisitions and sales of Toshiba businesses and facilities. This adjustment is required to maintain data accuracy. *Recycled e-waste is generated from consumers. All other waste is generated from Toshiba sites.

**Weight reduction process is a treatment to reduce the amount of Landfill, for example, evaporated water from generated waste.

Water Withdrawal (M3)

![Water Withdrawal (M3)](image)

Note*: Adjustments are made annually to edit past environmental data to reflect new business acquisitions and sales of Toshiba businesses and facilities. This adjustment is required to maintain data accuracy. *Recycled e-waste is generated from consumers. All other waste is generated from Toshiba sites.

**Weight reduction process is a treatment to reduce the amount of Landfill, for example, evaporated water from generated waste.
### Energy Consumption (GJ)

#### ELECTRICITY

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<th>Year</th>
<th>Total Direct</th>
<th>Total Indirect</th>
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<td>1,870,466</td>
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<tr>
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<td>505,045</td>
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<td>2009</td>
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#### DIRECT

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<th>Liquefied Petroleum Gas</th>
<th>Liquefied Natural Gas</th>
<th>Bunker A*</th>
<th>Bunker B*</th>
<th>Bunker C*</th>
<th>Gasoline</th>
<th>Heat (Steam)</th>
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*Fuel oil types

### CO₂ Emissions by Weight (Metric Ton)

<table>
<thead>
<tr>
<th>Year</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<td>2009</td>
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<td>199,547</td>
<td>192,449</td>
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*2015 AMERICAS SUSTAINABILITY REPORT*
Toshiba Group promotes Corporate Social Responsibility (CSR) management that gives top priority to life, safety, and compliance. We communicate with our stakeholders including customers, investors, suppliers, and employees around the globe to meet their expectations around Toshiba’s CSR activities. These activities are supported by Toshiba’s 200,000 employees worldwide. As a signatory to the United Nation’s Global Compact, we are working to fulfill our role as a leading global enterprise in human rights, labor standards, supply chain management, the environment, and anti-corruption.

Inspired by the Group slogan, “Committed to People, Committed to the Future, TOSHIBA,” we are conducting social contribution activities rooted in communities around the globe.

Because it’s vital that the next generation has the knowledge and tools necessary to help the world prosper, Toshiba has provided almost $30 million to science and technology education, sports and culture, social welfare, protection of natural environment, and international exchange and disaster relief around the globe.

Since its inception in 1992, close to 350,000 students from U.S. and Canada participated in the Toshiba/NSTA ExploraVision, world’s largest K-12 science competition. At the first TOMODACHI Toshiba Science & Technology Leadership Academy in Tokyo, Japan, American and Japanese students worked together to envision a resilient and smart community. The Toshiba America Foundation (TAF) has provided over $12 million grants to the U.S. schools for projects designed by teachers to enhance STEM instruction for K-12 students since 1990.

We continue to perform assessments of current and potential human rights risks to mitigate risks and provide educational lectures and workshops for our employees worldwide to deepen their understanding of human rights issues. We are committed to complying with all relevant laws and regulation applicable for our supply chain. As our employees are one of the important stakeholders, we give our employees opportunities to grow professionally. And we go beyond all legal requirements to ensure our workplaces are safe and clean environments for our people to work and live.
Through our commitment to improving science, technology, engineering, and math (STEM) education, environmental protection and better healthcare, Toshiba is contributing to helping create a safe, secure and comfortable society for future generations.

**Toshiba/NSTA ExploraVision**
Savings bonds and prizes, including laptops to students and educators from Canada and US.

- **23 YEARS**
- **+$6 MILLION*$$**
- **3,500 STUDENTS + EDUCATORS**

**Toshiba Community Activities**
In FY2014, Toshiba contributed to our communities through various initiatives.

- **+$29.57 MILLION TO INITIATIVES WORLDWIDE**
- **+$3.29 MILLION PROVIDED BY TOSHIBA NORTH AMERICA**

**TOMODACHI Toshiba Science and Technology Academy**
A hands-on STEM exchange leadership program with 25 students and educators from both Japan and the U.S.

- **1st YEAR**
- **+$250 THOUSAND**
- **25 STUDENTS + EDUCATORS**

**AHRA Putting Patients First Grant Program**
Grants to advance patient care and safety.

- **7 YEARS**
- **+43 WINNERS**
- **+$372 THOUSAND**

**Toshiba America Foundation**
Grants for projects designed by teachers to enhance STEM instruction for students in grades K-12.

- **25 YEARS**
- **+$12 MILLION**
- **2,600 GRANTS**

**Safety FiRsT**
Grants help facilities purchase equipment, create training programs or fund other occupational safety concepts.

- **1st YEAR**
- **2 WINNERS**
- **+$14 THOUSAND**

*Approximately
**Toshiba/NSTA ExploraVision Goes to Washington**

Since its inception in 1992, ExploraVision stands out as one of North America’s leading STEM education programs that promotes student interest in science and technological innovation.

In June 2015, young scientists and innovators were invited to Washington, D.C. to celebrate their ideas for future technologies during the Toshiba/National Science Teachers Association (NSTA) ExploraVision awards weekend. The 23rd annual competition challenges K-12 students to imagine solutions for the world’s most critical problems by choosing a current technology, researching it and presenting what the solution might look like in 20 years.

More than 5,000 teams competed this year, representing about 15,500 students from the U.S. and Canada. Winning concepts included a “Green Tablet” capable of dissolving a sugar battery in water in 10 days, that become harmless byproducts, and a programmable bio-scaffolding system that artificially scaffolds skin when insufficient blood cells are available.

**TOMODACHI Toshiba Science and Technology Leadership Academy**

In August 2014, students and teachers from Japan and the U.S. met for the inaugural TOMODACHI Toshiba Science & Technology Leadership Academy in Tokyo, Japan. The week-long, cross-cultural STEM exchange leadership program is designed to foster closer ties between American and Japanese participants, nurture STEM literacy and inspire the use of science and technology to address some of the world’s most complex issues. The 16 students and eight teachers worked in teams to develop a disaster-resilient smart community of the future under guidance of Toshiba engineers.

**Toshiba America Foundation**

Toshiba America Foundation (TAF) is a non-profit organization supporting STEM education in the U.S.—and another integral part of Toshiba’s philanthropic programs.

This year, a field studies program proposed by a middle school teacher in Richmond Hill, Georgia was awarded a TAF grant. The program gives students the opportunity to conduct ecological field studies with biologists and other specialists from such agencies as the Department of Natural Resources, U.S. Department of Fisheries and Wildlife and Ft. Stewart Fisheries and Wildlife. Students help with surveying, monitoring, and research activities, collecting environmental data that is used by national and state agencies and nonprofit organizations.

With another grant from the Toshiba America Foundation, the Mary Lyon School in Brighton, Massachusetts implemented an “Inquiry Based Learning Through Seismology” program. Students worked with scientists from the Department of Earth and Environmental Sciences.

With the help of the scientists, students designed and constructed earthquake resistant buildings, built a seismograph and performed data analysis and simulations of an earthquake. The program helped connect students to current events such as the recent Nepal earthquake and test scores increased by 44% from pre-test to post-test.
HEALTHCARE GRANTS

Safety FiRsT™ grant program
The Safety FiRsT™ program is a new initiative illustrating Toshiba’s focus on promoting industry and customer safety by providing 360° safety, guidance and expertise. It is a partnership between Toshiba America Medical Systems (TAMS) and the American Society of Radiological Technologists (ASRT). Safety FiRsT awards ASRT member institutions up to $7,000 each for implementing radiologic technology safety programs or other creative ideas to improve safety for radiological technologists. The grants help facilities purchase new equipment, create training programs or fund other occupational safety concepts that allow them to focus on providing the highest quality patient care. Recipients of the first Safety FiRsT™ grants will be announced in October 2015.

AHRA Putting Patients First Grant Program
A new interactive application at Nemours Children’s Health System in Orlando, Florida will be used to reduce patient anxiety and provide family members with more detailed information on upcoming diagnostic exams. Nemours was the 2014 Putting Patients First Grant recipient for integrated delivery network (IDN)/hospital system. This was the seventh year the grant program was hosted by TAMS and the Association for Medical Imaging Management (AHRA).

The program is designed to improve the accuracy, efficiency and safety of diagnostic imaging by providing grants to fund innovative programs. One $20,000 grant is awarded to an IDN; six additional $7,500 grants are awarded to hospitals and imaging centers with a focus on pediatric and overall patient care.

“The long-term impact of being awarded a Putting Patients First Grant is that whatever project you are doing can improve the quality of care for patients in that area. At your hospital you are continuously improving the patients care for that area plus other hospitals can see what can be done for their area and follow through and do the same thing.”

MICHAEL RUBIN, MD
Chairman, Dept. of Radiology Akron Children’s Hospital

2015 AMERICAS SUSTAINABILITY REPORT
Contributing to STEM Education and Healthcare Impact (continued)
Toshiba’s philosophy, “Committed to People, Committed to the Future,” is embedded in our company’s approach to CSR issues including supply chain, human rights, labor, employee-relations, customer privacy and the environment. We follow strict company policies and procedures that ensure compliance with international standards. We listen to our stakeholders as we continue to provide solutions to address complex global issues.

Fair Operating Practices and Supply Chain

Many countries are tightening legal controls and monitoring compliance as a means to prevent corruption, and there is a growing risk of sanctions against failure to comply. The Toshiba Group Standards of Conduct extends to our supply chain, and covers such issues as environmental protection, human rights and labor issues at manufacturing sites in emerging economies, which we stipulate in the “Supplier Expectations” of Toshiba Group Procurement Policy.

In 2014, we revised that policy to include the promotion of activities that are in line with the UN Global Compact and the EICC (Electronic Industry Citizenship Coalition) Code of Conduct. We also requested that about 10,000 suppliers agree to abide by this revised content. By the end of March 2015, 99% of the companies responded and agreed.

Toshiba Group works closely with its supply chain to communicate its policies and conducts supplier surveys (including self-assessments) to monitor their performance at each business site. Toshiba monitors supplier compliance by performing quality audits, requesting improvements and providing guidance as necessary. If a supplier violates the procurement policy, we request that supplier implement remedial measures. If Toshiba deems the remedial measure to be unsatisfactory, we suspend transactions with the supplier.

Toshiba Group’s whistleblower system receives reports from suppliers and business partners to help prevent noncompliance and unfair trading practices by employees in charge of procurement and order placements.
Human Rights and Fair Labor Practices
Recently, we revised the Toshiba Group Standards of Conduct that our employees must abide by, adding “Respect for Human Rights” as Article 1. This code of conduct states that, beyond complying with laws and regulations, each person is expected to embrace the rights, individuality, privacy, and values of all individuals, and will not engage in physical violence; sexual harassment and abuse of power, such as workplace harassment, or prejudiced remarks and actions with regard to race, religion, gender, nationality, physical or mental disability, age or sexual orientation.

Toshiba Group participates in the UN Global Compact and we adhere to such international standards as the UN Guiding Principles on Business and Human Rights, the OECD Guidelines for Multinational Enterprises and ISO 26000 for guidance on social responsibility.

Toshiba strives to improve human rights by performing ongoing assessments of current and potential human rights risks so we can best avoid and mitigate those risks. We actively seek input from human rights experts and stakeholders to deepen our understanding of human rights issues. We also provide educational lectures and workshops for our employees worldwide.

The Toshiba Corporation Business and Human Rights Center leads our efforts to promote human rights awareness among employees and provide human rights education.

In the U.S., the nonprofit organization BSR (Business for Social Responsibility) holds human rights workshops on location at Toshiba Group companies to promote the understanding of human rights issues.

Creating a safe environment for employees to help us protect the rights of others is important to this effort. Using Toshiba’s “risk hotline” employees can report human rights violations and other wrongdoing without fear of reprisal.

Employee Education
Toshiba employees can take advantage of numerous opportunities to grow professionally through classes and seminars in the areas of customer service, sales and marketing, professional development, management skills and cultural and environmental awareness. An important part of this training focuses on CSR-related topics. Employees at all levels have continuing access to CSR-related topics such as human rights and environmental issues through e-learning.

Employee Occupational Health and Safety
Toshiba Group’s corporate philosophy, “Committed to People, Committed to the Future,” illustrates our commitment to keeping our employees safe. We go beyond legal requirements to maintain clean workplace environments that mitigate risk, eradicate work-related accidents, limit exposure to disease and promote good physical and mental health. Our suppliers and subcontractors are expected to be diligent about occupational health and safety and ensure that no one involved in Toshiba’s business is exposed to unhealthy work conditions.

Customer Privacy
Toshiba protects the quality and integrity of our customers’ personal information in accordance with commercially reasonable standards. We use industry-standard encryption technologies when transferring and receiving credit card numbers to help us keep information secure. Detailed information on our corporate policy on customer privacy can be found at: http://www.toshiba.co.jp/privacy/privacy.htm.
### 2015 AMERICAS SUSTAINABILITY REPORT

**GRI Index**

This report contains Standard Disclosures from the Global Reporting Initiative (GRI) Sustainability Reporting Guidelines and is aligned with the GRI G4 Guidelines. Toshiba did not seek external assurance for this report.

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<th>STANDARD DISCLOSURE</th>
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<td>Statement from the most senior decision maker of the organization.</td>
<td>Toshiba America Sustainability Report (ASR): Pg. 1, Toshiba Corp CSR Report (CSR): Pgs. 4 &amp; 6.</td>
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<td>G4-2</td>
<td>Key impacts, risks, &amp; opportunities.</td>
<td>ASR: Pg. 1, CSR Pgs. 5-14.</td>
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**ORGANIZATIONAL PROFILE**

| G4-3 | Name of the organization. | ASR: Pg. 3, CSR Pg. 251 |
| G4-4 | Primary brands, products, & services. | ASR: Pgs. 1, 3, CSR: Pgs. 3, 4. |
| G4-5 | Location of the organization’s headquarters. | ASR: Back Cover, CSR: Pg. 251 |
| G4-6 | Number of countries where the organization operates, and names of countries where either the organization has significant operations or that are relevant to the sustainability topics covered in the report. | ASR: Pg. 3, CSR: Pg. 251 |
| G4-7 | Nature of ownership and legal form. | ASR: Pg. 3, CSR Pg. 251 |
| G4-8 | Scale of the organization. | ASR: Pgs. 2, CSR Pgs. 4, 171 |
| G4-10 | Total number of employees by employment contract and gender. Total number of permanent employees by employment type and gender. Total workforce by employees and supervised workers and by gender. Total workforce by region and gender. Report whether a substantial portion of the organization's work is performed by workers who are legally recognized as self-employed or contractors, report significant variations in employment numbers. | ASR: Pgs. 2, CSR Pgs 95-102 |
| G4-11 | Percentage of total employees covered by collective bargaining agreements. | ASR: Pgs. 2, CSR pgs. 88, 89 |
| G4-12 | Describe the organization's supply chain. | CSR: Pgs. 119-128 |
| G4-13 | Significant changes during the reporting period regarding the organization's size, structure, ownership, or its supply chain. | CSR: Pgs. 227, 228 |
| G4-14 | Report whether and how the precautionary approach or principle is addressed by the organization. | ASR: Pgs. 18, 19, Toshiba Annual Report (IR): Pgs. 9-17; CSR: PG. 227 |
| G4-15 | List externally developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes or to which it subscribes. | ASR: Pgs. 18, 19, CSR Pgs. 194-198, 230 |
| G4-16 | List memberships of associations and advocacy organizations in which the organization identifies a position on the governance body. (Provides substantive funding beyond routine membership dues (i.e. membership as strategic. | ASR: Pgs. 18, 19, CSR Pgs. 194, 251 |

**IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES**

| G4-17 | Entities included in the organization's consolidated financial statements or equivalent document and note any that are not covered in the report | ASR: Pgs. 18, 19, CSR Pgs. 55, 94, IR Pgs. 2, 7 |
| G4-18 | Process for defining the report content and the Aspect Boundaries. | ASR: Pgs. 9, 25; CSR: Pgs. 227, 228 Phase 1: Developed a scorecard with all G4 aspects (Economic, Environmental, Social) along with requested feedback on 2014 ASR Report. Phase 2: Evaluated aspects based on feedback provided by stakeholders. Ranked as low, medium or high priority. Phase 3: Identification and testing of material aspects Phase 4: Establishment of KPIs Phase 5: KPI review and dialogue between CSR and Environmental Departments. | CSR: Pgs. 95-109 |
| G4-19 | List all the material aspects identified in the process for defining report content. | CSR: Pgs. 95-102 |
| G4-20 | For each material Aspect, report the Aspect Boundary within the organization. Report whether the Aspect is material within the organization. If the Aspect is material for all entities within the organization and any limitations regarding the aspect boundary within the organization. | CSR: Pg. 20, Inside Cover: This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines. This report was not assured by a 3rd Party. |
| G4-21 | For each material Aspect, report the Aspect Boundary outside the organization. Identify the entities, groups of entities or organizations that the Aspect is material for and describe the geographical location where the Aspect is material for the entities identified. Report any specific limitation regarding the Aspect Boundary outside the organization. | CSR: Pg. 20, Inside Cover: This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines. This report was not assured by a 3rd Party. |
| G4-22 | Report the effect of any restatements of information provided in previous reports, and the reasons for such restatements | CSR: Pg. 20, Inside Cover: This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines. This report was not assured by a 3rd Party. |

**STAKEHOLDER ENGAGEMENT**

| G4-23 | Provide a list of stakeholder groups engaged by the organization. | CSR: Pgs. 11, 28 |
| G4-24 | Report the basis for identification and selection of stakeholders with whom to engage. | CSR: Pgs. 3; CSR: Pgs. 171-179 |
| G4-25 | Approach to stakeholder engagement, including frequency of engagement by type and by stakeholder group. | ASR: Pgs. 5, 9, 17, CSR: Pgs. 171-179 |
| G4-26 | Report 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. | CSR: Pgs. 95-109 |

**REPORT PROFILE**

| G4-27 | Reporting period. | ASR: Pg. 2; CSR: Pgs. 171-179 |
| G4-28 | Date of most recent previous report. | CSR: Pg. 3; CSR: Pgs. 171-179 |
| G4-29 | Reporting cycle. | CSR: Pg. 3; CSR: Pgs. 171-179 |
| G4-30 | Contact point for questions regarding the report or its contents. | CSR: Pg. 3; CSR: Pgs. 171-179 |
| G4-31 | GRI Content Index for the chosen option. | CSR: Pg. 3; CSR: Pgs. 171-179 |
| G4-32 | Policy and current practice with regard to seeking external assurance for the report. | CSR: Pg. 20, Inside Cover: This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines. This report was not assured by a 3rd Party. |

**GOVERNANCE**

| G4-33 | Governance structure of the organization, including committees of the highest governance body. Identify any committees responsible for decision-making on economic, environmental and social impacts. | CSR: Pg. 11, 28 |

**ETHICS AND INTEGRITY**

| G4-34 | Describe the organization’s values, principles, standards and norms of behavior such as codes of conduct and codes of ethics. | CSR: Pgs. 180-185 |

**SPECIFIC STANDARD DISCLOSURES.**

**ECONOMIC: ECONOMIC PERFORMANCE**

| G4-35 | Disclosed economic value generated and distributed | ASR: Pgs. 3; CSR: Pgs. 8, 9, 11, 16, 20, 22-26 |
| G4-36 | Financial implications and other risks and opportunities for the organization’s activities due to climate change. | ASR: Pgs. 4, 5, 6, CSR: Pgs. 15-17 |
| G4-37 | Coverage of the organization’s defined benefit plan and other defined benefit plans. | CSR: Pgs. 95-109 |

**ENVIRONMENTAL: ENERGY**

<p>| G4-38 | Energy consumption within the organization. | CSR: Pgs. 13; <a href="http://www.toshiba.co.jp/en/en/vision/impacts.htm">www.toshiba.co.jp/en/en/vision/impacts.htm</a> |</p>
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<td>G4-EN9</td>
<td>Water sources significantly affected by withdrawal of water.</td>
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<td>G4-EN24</td>
<td>Total number and volume of significant spills.</td>
<td><a href="http://www.toshiba.co.jp/env/en/industry/sol%E7%BD%A1groundwater.htm">www.toshiba.co.jp/env/en/industry/sol罡groundwater.htm</a></td>
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<td>G4-EN27</td>
<td>Extent of impact mitigation of environmental impacts of products and services.</td>
<td><a href="http://www.toshiba.co.jp/env/en/vision/impacts.htm">www.toshiba.co.jp/env/en/vision/impacts.htm</a></td>
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<td>G4-EN28</td>
<td>Percentage of products sold and their packaging materials that are reclaimed by category.</td>
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<td>G4-PR2</td>
<td>Total number of incidents of non-compliance with regulations and voluntary codes concerning the health and safety impacts of products and services during their life cycle, by type of outcome.</td>
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<td>G4-PR3</td>
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<td>Types of product and service information and labeling that are subject to such information requirements.</td>
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<td>Total number of incidents of non-compliance with regulations and voluntary codes concerning marketing communications, including advertising, promotion, and sponsorship, by type of outcome.</td>
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<td>G4-PR7</td>
<td>Sales of banned or disputed products.</td>
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<td>Monetary value of significant fines for non-compliance with laws and regulations concerning the provision and use of products and services.</td>
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CONTACTS:
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General CSR inquiries related to Toshiba Group—www.toshiba.co.jp/csr/en/contact/

This Sustainability/CSR/Environmental Report is available on Toshiba websites:
TOSHIBA AMERICAS: www.toshiba.com/csr/social.jsp
TOSHIBA WORLDWIDE: www.toshiba.co.jp/csr/en
TOSHIBA ENVIRONMENTAL: www.toshiba.co.jp/env/en

Production and printing of the Toshiba Americas Sustainability Report 2015 reflects the following considerations:
PAPER: Use of FSC-certified Paper. The paper used in this report is certified by Forest Stewardship Council (FSC) and is made from wood from FSC-certified forests.
PRINTING: Non-VOC Ink. This report uses 100% vegetable ink containing no volatile organic compounds (VOCs).

For an overview of Toshiba’s sustainability performance, visit these Toshiba global reports:
ANNUAL REPORT: www.toshiba.co.jp/about/ir/en/finance/ar/ar.htm
CORPORATE WEBSITE: www.toshiba.co.jp/worldwide/index.html

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On the cover, from top
• Toshiba Aquilion ONETM
• Toshiba TCxWave A30 Point of Sale System
• Toshiba in Storage Business
• Toshiba in the alternative energy business
• Toshiba Turbine
• Toshiba/NSTA ExploraVision Award Winners from San Diego