



## DOING OUR PART TO HELP PROTECT THE ENVIRONMENT

# REDUCING OUR ENVIRONMENTAL IMPACT

At Motorola Solutions, we have our sights set on the future. To thrive in the years to come, we believe that businesses must make sustainability a priority. That's why we strive each day to reduce Motorola Solutions' environmental footprint and seek to innovate solutions that help our customers, partners and end users reduce theirs – while focusing on the performance, quality and reliability of our products.

We believe that protecting the environment is everyone's responsibility. These examples are a sample of how we're doing our part.

We work to improve the environmental impact of our operations, our supply chain and our products, and to promote environmental awareness and transparency.

### WE ARE REDUCING THE ENVIRONMENTAL FOOTPRINT OF OUR OPERATIONS

- In 2013, we estimate that about 27% of our energy in the United States will be from renewable sources. That's more than 42 million kilowatt hours of energy.
- We voluntarily extended our compliance with the European Union's restriction of the hazardous substances (RoHS) directive to cover almost all newly designed products, regardless of where they are sold worldwide.
- We participate in the Carbon Disclosure Project, an initiative that encourages companies to report on greenhouse gas emissions and actions to mitigate them. We have reported our greenhouse gas emissions annually since 2004.
- We reduced our energy use nearly 12% from 2011 to 2012.

- We have a goal to reduce global waste by 10% from 2011 by 2015 as well as to increase our recycling rate to 90% by 2015.
- We installed electric vehicle chargers at our corporate headquarters, and we anticipate expanding to other sites.

### WE ARE SUPPORTING SUSTAINABILITY IN OUR SUPPLY CHAIN

- We expect our suppliers to adhere to our Supplier Code of Conduct, which includes workplace and environmental standards and requires the disclosure of all materials used in products.
- We helped pilot the Solutions for Hope project, an initiative to source conflict-free tantalum from the Democratic Republic of Congo to be used in Motorola Solutions products.
- We also helped launch the Conflict-Free Tin Initiative, a similar program based in the same region and focused on tin.
- We monitor compliance with our code through an assessment and audit program.
- We are collaborating with our industry on better ways to measure supplier greenhouse gas emissions.

### WE ARE IMPROVING THE ENERGY EFFICIENCY OF OUR PRODUCTS

- Our super-efficient lithium-based batteries allow the use of almost 100% of the available energy. They also never need to be reconditioned or recalibrated – meaning energy isn't wasted in maintenance.

## ENVIRONMENTAL FACT SHEET

### REDUCING OUR ENVIRONMENTAL IMPACT

- Our IMPRES™ batteries can be charged 150 more times than a standard battery, lasting 43% longer and reducing the number of batteries customers need to buy over the life of the product.
- The power supplies for the majority of our mobile computers meet the European Union's Level V efficiency standards (equivalent to Version 2 of the U.S. Energy Star standard).
- Our products' programmable features such as standby mode, low-rate polling, "face-down" modes and variable backlighting save battery power and keep the device operating longer between charges, and our System Development Software Kits provide energy-saving recommendations.
- Nearly all the battery charging systems in our new product development process, destined to be included with new product offerings over the next several years, are being designed to go beyond the energy efficiency standards governing our products today.
- Our IP-based virtual core architecture dramatically reduces the number of routers and servers needed by our ASTRO® and TETRA first responder networks. This hardware reduction results in significantly less energy used over the life of the systems.

### WE CONTINUE TO CREATE NEW WAYS TO REDUCE WASTE AND FACILITATE RECYCLING OF OUR PACKAGING MATERIALS

- We are reducing our product packaging and offering bulk solutions to minimize shipping volume and decrease shipping costs.
- We are introducing a new starch-based packaging material that replaces petroleum-based, polyethylene foam cushioning.
- Our packaging materials are stamped with internationally recognized recycling symbols.
- We have established a scorecard to help our supply chain implement Motorola Solutions' green packaging initiatives.
- We specify a minimum of 30% post-consumer recycled content in our packaging materials.

### WE HAVE DEVELOPED SPECIAL PROGRAMS TO SUPPORT OUR CUSTOMERS AND PARTNERS IN THEIR ENVIRONMENTAL EFFORTS

- With our take-back program, customers can manage used equipment recycling responsibly. They can just ship the equipment back to us, and we'll make sure it doesn't end up in a landfill. We'll also provide proof of its responsible, end-of-life management.

### WE ARE HELPING OUR CUSTOMERS REDUCE BOTH THEIR COSTS AND CARBON FOOTPRINTS

- Our mobile computers, tablets, radio frequency identification (RFID) handheld terminals and barcode mobile terminal scanners help streamline supply chains, operations and distribution, and improve asset efficiency.
- Our GPS and other logistics products help drivers navigate the most efficient routes possible – reducing fuel costs and CO<sub>2</sub> emissions.
- Our mobile computers cut wasted time and fossil fuel by empowering mobile workers and first responders with the ability to capture and exchange critical information remotely.
- Our Mobility Services Platform lets IT personnel update, troubleshoot and maintain all mobile devices from their desks – eliminating unnecessary travel, shipping and delays.
- Our MTS1 TETRA Enhanced Data Service base station consumes less power than a 100 watt light bulb, is manufactured with lead-free solder and boasts a compact design that reduces shipping costs.



### WHAT OTHERS SAY ABOUT US

- We were named to the **Global 100 Most Sustainable Companies in the World** in 2013, ranking No. 59.
- We are a member of the **Dow Jones Sustainability Indexes**.
- *Newsweek* ranked Motorola Solutions No. 20 in its 2012 **Green Rankings** of the 500 largest U.S. companies, based on each company's environmental footprint, policies and practices, along with its reputation among its peers.
- We are included on the **FTSE4Good** ESG Rating Index and the Calvert Social Index.
- Our global environment, health and safety (EHS) management system is certified to meet both the international management systems standard, **ISO 14001**, and the international occupational health and safety management system standard, **OHSAS 18001**.
- We have received **EHS awards** and recognition from numerous countries, including Brazil, China, Germany, Israel, Japan, Mexico and the United States.
- We were ranked **No. 32** on the *CR Magazine* **100 Best U.S. Corporate Citizens** list in 2013.
- Our performance was recognized as **prime** on the **oekom Corporate Responsibility** ranking.
- We are ranked No. 69 in **Maplecroft CII Leaders**, which consists of the 100 best performing companies.

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