



## Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

# Johns Hopkins Bayview Medical Center



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Hospital

Member since January 2019

## Management and Leadership



### **Environmental Policy Statement**

*Policy ADMIN014 defines the framework for environmental sustainability in the Johns Hopkins Health System (JHHS), and provides a governing platform for the Health System's environmental sustainability work. It is an overarching policy on JHHS's Environmental Sustainability program; however, each hospital has specific environmental policies, guidelines and procedures. It calls for each hospital to act as stewards of the environment and operate at their full potential by identifying and implementing practical solutions to minimize their negative impact on the natural environment and the communities they serve. The policy was established by the JHHS Executive Leadership Sustainability Council in concert with their senior leaders.*



### **Environmental Team**

*The JHHS Executive Leadership Sustainability Council's role is to promote environmental sustainability throughout the health system – in planning, development, and operation of the campus environments and facilities, as well as in innovation, research and outreach to the greater communities. Through these efforts, the Council hopes to gain recognition for JHHS as a national health care leader in environmental sustainability, and foster the development of an environmentally responsible organizational culture. In addition to the Council's efforts, the Johns Hopkins Bayview Medical Center (JHBMC) Green Team works*

*on grassroots initiatives to further the hospital's sustainability program. The team is comprised of employees from various departments on campus.*

**Annual Environmental Goals**

*Each year JHBMC establishes goals to further their environmental sustainability program. Establishing goals is a requirement for eligibility to apply for environmental excellence awards through Practice GreenHealth. JHBMC's 2018 goals include: 1) establish a program to collect unused/unwanted clinical supplies in each nursing unit for donation to a third-world country through the Brother's Brother Foundation; and 2) trial a recycling collection system in patient rooms to provide bedside recycling opportunities to patients and their visitors.*

**Environmentally Preferable Products and Services**

*JHBMC reprocesses "single-use" medical devices through licensed reprocessing facilities. Reprocessing entails disinfecting, cleaning, sterilizing, packaging, labeling and storing a used or opened package of a medical device to be placed into service again. Reprocessing is regulated by the FDA. Reprocessing is a key component in environmental sustainability programs and is a proven means of not only decreasing the quantity of waste going into incinerators and landfills, but in decreasing the cost of providing safe, effective devices. JHBMC has been reprocessing for close to 10 years, and in that time has diverted thousands of pounds of waste from the landfill and saved hundreds of thousands of dollars in medical device purchases.*

**Environmental Restoration or Community Environmental Projects**

*More than 200 new trees have been added to the JHBMC campus, thanks to a partnership with the Baltimore Tree Trust. A total of 183 young trees were planted along the west side of campus bordered by I-895, in front of the NIH Building by Lombard Street, at the Eastern Avenue campus entrance, and around the parking garage, and 20 additional trees were added near the stormwater pond along Eastern Avenue. The trees were planted by the Baltimore Tree Trust (BTT), a nonprofit organization committed to making Baltimore a healthy and more beautiful place to live through increased tree plantings, tree stewardship, community engagement, public education, advocacy and research. BTT works to restore Baltimore's aging tree canopy by collaborating with the city's TreeBaltimore program, nonprofit partners, private landowners, city residents and businesses. Tree varieties on the JHBMC campus include maples, honey locusts and oaks. As they grow and mature, they will provide shade, beauty and protection to the campus.*

## Waste

### **Solid Waste Reduction and Reuse**

*JHBMC's waste management initiative began in 2011, when the hospital was disposing of approximately 90% of its waste as regulated medical waste with the remaining 10% comprised of recycled paper and construction/demolition debris. By partnering with Stericycle in a major waste management overhaul, the hospital has improved its waste stream distribution, and has reduced its waste management costs by over \$100,000. In 2018 JHBMC's waste streams consisted of 67% municipal solid waste, 25% recycling, and 8% regulated medical waste.*

### **Recycling**

*In 2018, JHBMC recycled 571 tons of material, including confidential paper, single stream recycling (paper, glass, cardboard and metals), electronics/batteries, cooking oil, wood pallets, scrap metal, and clinical supplies/equipment donations. JHBMC also uses a reusable sharps container program that resulted in diverting 21 tons of plastic from the environment in 2018.*

### **Hazardous Waste/Toxic Use Reduction**

*All cleaning chemicals used by the Environmental Services Department at JHBMC are either Green Seal or UL Ecologo certified. Additionally, microfiber technology (mop heads, rags) is used. The decision to move to a green product line and microfiber technology was made to maintain environmental cleanliness and prevent hospital-acquired infections, to protect patients and staff from potential harmful health effects of certain cleaning products and procedures, and to reduce environmental impact and enhance sustainability.*

## Transportation

### **Fleet Vehicles**

*JHBMC offers programs to decrease the greenhouse gas emissions associated with transportation. JHBMC provides preferred parking and free car charging services for electric vehicles. There are 12 dual electric car charging stations on campus for use by employees, patients and visitors. JHBMC also provides bike racks for alternative commuters, and a shuttle service is provided for traveling around campus, and for connections to The Johns Hopkins Hospital campus. Additionally, telework and compressed work schedules are offered to some employees to reduce employee commuting.*

## Water

### **Stormwater Management and Site Design**

*JHBMC has a number of structural stormwater BMP's on campus, including two wet stormwater retention ponds (one on Eastern Ave and one on Lombard Street), five detention basins, and three green roofs. These structures are continually maintained to ensure peak performance. Operational practices are also used to minimize stormwater pollution such as: 1) use of integrated pest management; 2) covering outdoor storage and handling areas; 3) snow and ice management; 4) landscape maintenance; 5) preventive maintenance and housekeeping programs; and 6) waste management and hazardous material spill management programs.*

## Green Building

### **LEED/International Green Construction Code (IgCC)**

*JHBMC completed construction of three new facilities between 2013 and 2018. Each facility was constructed to the [Baltimore City Green Building Standard](#) and achieved a 2-star rating, which is equivalent to LEED Silver. The most recently constructed building located at 5500 Lombard Street houses the hospital's outpatient behavioral health programs. Some of the "green" practices and features of the building include a cool roof that reflects more sunlight and absorbs less heat; stormwater retention ponds; electric car chargers; LED lighting; motion sensor lights and water faucets; integrated pest management; environmentally preferred lawn care equipment, de-icers, paint and sealants, and green cleaning chemicals.*

## **Environmental Certification Programs, Awards, and Other Activities**

*JHBMC is a member of Practice GreenHealth, and has been a recipient of their environmental excellence awards annually since 2015, including their Making Medicine Mercury Free and Partner for Change awards. "The Partner for Change Award recognizes health care facilities that have implemented a significant number of environmental programs, and continuously improve and expand upon these programs on the path to sustainability."*



*Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.*

*Learn more at [green.maryland.gov](http://green.maryland.gov)*

