

# ENERGY

ACCOMPLISHMENTS OF THE ENERGY GROUP OF THE CLIMATE ACTION STEERING COMMITTEE



## 24% RENEWABLE ENERGY

UMBC purchases renewable energy credits from wind and solar projects in Maryland.

Solar powered lighting at outdoor locations such as bus shelters and charging stations at picnic tables.

Despite major growth, UMBC only used 49 million kilowatt hours (kWh) of electricity from non-renewable sources in 2016 compared to 75 million in 2007.



## EFFICIENCY INVESTMENTS

Lighting upgrades reduced electricity use by 8%. Annual savings total \$600,000 and 3,200 tons of carbon.

Upgraded cooling systems reduced campus electricity use 7%. Annual savings total \$570,000 and 3,100 tons of carbon.



## GREEN BUILDINGS

New buildings were awarded LEED certification by US Green Building Council's, including our Performing Arts and Humanities Building, Patapsco Hall Addition and Apartment Community Center.

Green roofs, heating and cooling controls, and more help improve the environmental footprint of new construction.



# WASTE

## ACCOMPLISHMENTS OF THE WASTE REDUCTION GROUP OF THE CLIMATE ACTION STEERING COMMITTEE



## COMPOSTING

Compost collection began in the Dining Hall and Commons, education and awareness events were held.

Compostable plateware and utensils were made available for catering and bins were made available for events



## RECYCLING

UMBC adopted efficient single stream recycling, where paper, plastic, metal and glass is collected in one recycling bin.

New standard combination recycling/waste bins were purchased for the Commons and building

## WASTE REDUCTION

Trays were removed from the dining hall to discourage food waste and limit the amount of food taken at a time.

Discounts were provided for reusable beverage containers

Water bottle refilling stations added throughout campus

Outreach programs like the eco-ambassador and green office program encourage reduce/reuse/recycle.



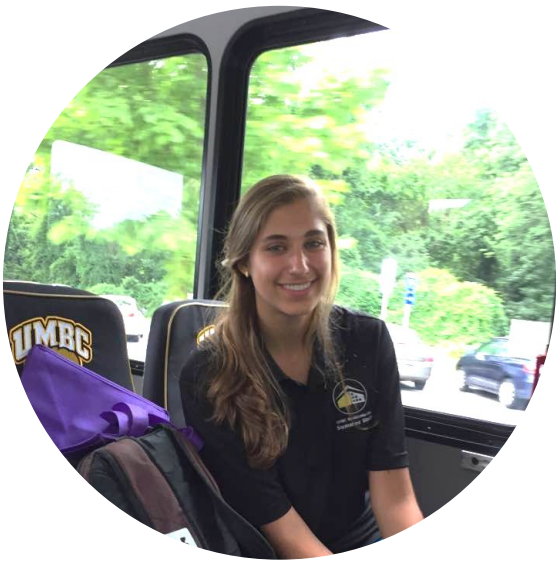
sustainability  
**MATTERS**



# TRANSPORTATION

## ACCOMPLISHMENTS OF THE TRANSPORTATION GROUP OF THE CLIMATE ACTION STEERING COMMITTEE

### TRANSIT



UMBC transit shuttles optimized its routes, service, and buses (including on shuttle bike racks) to help people get to campus and to local light rail and train stations.

Bus Shelters were installed and new routes from MTA buses connect campus and shuttle routes. Zipcars and Electric Vehicle Charging Stations were also added.

### CARPOOLING



A new carpooling parking area was established as an incentive for commuters to carpool

ZimRide was adopted as the campus program to help match UMBC community members to carpools

### BIKING



A free bike share was established at the RAC with bike locks and helmets with support from SGA and the Hub. .

Covered bike parking and Fix it stations were added by facilities management and the transportation committee..

# RESEARCH & EDU

ACCOMPLISHMENTS OF THE RESEARCH & EDUCATION GROUP OF THE CLIMATE ACTION STEERING COMMITTEE

## CURRICULUM



Sustainability Across the Disciplines faculty workshop supports faculty in integrating sustainability into courses..

Faculty Learning Community was started in 2017 to focus on teaching sustainability and climate change.

A listing of classes, programs, and faculty related to sustainability has been offered on the sustainability website.

## RESEARCH



Research centers include Center for Urban Environmental Research and Education, Joint Center for Earth Systems Technology, and the Maryland Clean Energy Technology Incubator.

Collaboration with faculty has led to campus based research projects in ecology, stormwater, climate and more.

## AWARENESS



Green office program has certified 27 offices for completing a checklist of sustainable commitments and changes.

Eco-Ambassadors and sustainability leadership programming offers students opportunities to understand and take action on campus sustainability.

