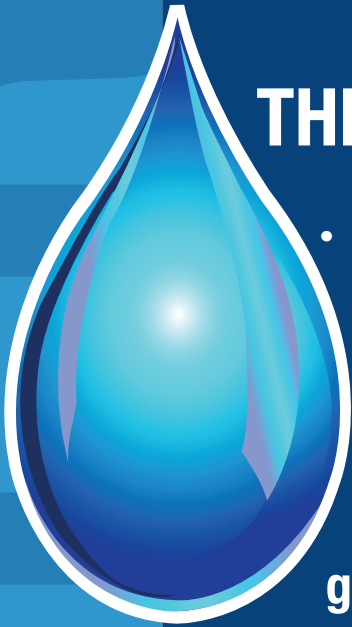


WATER



THE STAKES:

- **Less than 1% of water** on earth is available for drinking.
- **Americans use 1.7 km³ a day**- the equivalent to one Seneca Lake every 9 days.
- The average HWS student uses approximately **43 gallons per day.**
- **25 billion plastic water bottles** will be purchased in the U.S. this year and only **20% will be recycled.**
NY State Department of Environmental Conservation
- To grow the cotton for a pair of jeans takes about **400 gallons of water.**
- Americans use **2.5 million plastic bottles every hour.**
- **67% percent** of the water consumed at HWS is **used in residence halls.**
- If every student on campus **shortened his or her shower by 2 minutes**, we could fill the pool in 2 weeks.
- The average person in the United States uses anywhere from **80-100 gallons of water per day.** Flushing the toilet actually takes up the largest amount of this water.
- **560 billion gallons of water are used each year** for laundry, which is equal to the amount of water that flows over Niagara Falls every 11 days. *greencontributor.com*



WASTE



THE STAKES:

- Did you know that the largest landfill in the Northeast is **10 miles from campus?**

Finger Lakes Zero Waste Coalition, 2006.

- **9,000 tons of waste** comes into the area every day, headed for the surrounding landfills.

- E-waste represents only 2% of America's landfill waste, but equals **70% of overall toxic waste.**

- Every ton of paper recycled can save the energy equivalent of **185 gallons of gas.** *U.S. Environmental Protection Agency*

THE COLLEGES RESPONSE:

In the past 2 years, the Colleges have added more than **1,000 recycling bins to campus.**

The Colleges compost in all dining services locations and currently **divert 2 tons of food waste per week** from the landfill to the compost facility.

The Colleges hold an **e-waste recycling day** once a semester.

The Colleges **divert fryer oil** from Saga and the Pub to a campus biodiesel plant located in Buildings and Grounds.



ELECTRICITY AND HEAT



THE STAKES:

- The majority of electricity consumed in the United States comes from **non-renewable sources, such as coal and natural gas.**
- Leaving electronics plugged in, even when they are off, consumes energy. This is known as a **'phantom load'** unplug electronics you are not using.
- **CFL bulbs last 10 times longer** than incandescent and use 75 percent less energy.
eHow.com
- More than **25% of energy consumption** in homes goes to lighting (*dosometing.org*)

THE COLLEGES RESPONSE:

HWS now purchases **100% of its electricity** from wind power.

In 2010, HWS consumed **10,449,592 kWh of electricity.**

The greenhouse gas emissions from the Colleges in 2010 were 3,994 metric tons of carbon dioxide the equivalent of **764 cars.**

From 2009 to 2010 the Colleges **reduced the amount of electricity consumed by 9%** that is the carbon emission equivalent of taking 99.8 cars off the road.



TRANSPORTATION



THE STAKES:

- **28% percent of the energy** consumed in America is for transportation.
- In 2008, Americans drove more than **3 trillion miles, the equivalent of driving to the sun and back 13,440 times.** *doe.gov/kids*
- There are more than **254 million registered vehicles** in the United States.
- More than **1/3 of HWS greenhouse gas emissions are generated from transportation.**



THE COLLEGES RESPONSE:

HWS is a residential campus designed to be **pedestrian and bike friendly.**

HWS has added more than **15 bike racks** in the past 3 years.

The Yellow Bike Program is available to all students, faculty and staff and has more than 40 bikes available.

ZipCar offers a convenient mode of transportation for students- "wheels when you want them." ZipCar historically takes 15-20 cars off the road.



HOBART AND WILLIAM SMITH COLLEGES

FOOD



THE STAKES:

- The average ingredient is shipped **1,500 miles** to get to the supermarkets.
- Lower meat consumption is an effective environmental choice because it **reduces impacts on the land and water** and reduces pollution related to the meat industry. *dosomething.org*
- There are more than **30 local farms** around the Seneca Lake region.
- Approximately **23% of the energy** used in our food production system is allocated to processing and packaging food. *dosomething.org*

THE COLLEGES RESPONSE:

The café offers several products from Red Jacket Orchards, a **local farm specializing in fruits and juices.**

There are a number of **sustainable food sources** and events in the area, including: Community Supported Agriculture, Sauders Farm, and the Geneva Farmers market.

Byrne Dairy is a New York based dairy farm and **supplies the Colleges milk.**

Sodexo has **strong commitment** to sustainable seafood.



HOBART AND WILLIAM SMITH COLLEGES