

Enviro-News

July, 2020

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

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Articles:

Venues Open: Zoo, Aquarium and Botanical Gardens Announce Plans

For those anxious to visit the [Buffalo Zoo](#), [Aquarium of Niagara](#) or [Buffalo & Erie County Botanical Gardens](#), they will be reopening in early July. Online tickets will be required for visits with special requirements in place for everyone's safety, so check the guidelines. Members of these organizations will have access at an earlier date than the general public. Like other businesses, these organizations need your financial support to survive.

What's in the Water: Watershed Threat in a Changing Climate

The WNY Youth Climate Action Summit will have their next workshop on **Wednesday, July 1** at 5:30PM via [Facebook Live](#). "What's in the Water: Watershed Threat in a Changing Climate" will be presented by Daniel Mlodozienec – Educator at Reinstein Woods Nature Center. Whether for recreation, relaxation, or basic biological needs, water is something we often take for granted. Especially the unique aquatic environments that surround the Great Lakes. Like the rest of the world, this unique system is threatened by climate change. In this presentation learn what threats our Great Lakes and WNY watersheds face in a changing climate, and how you can help the aquatic systems that we love and need. Other upcoming events for July can be found on our [website](#). All workshops are recorded and can be found on our Facebook Live or our [website](#) as well.

"Science at the Cutting Edge of Global Environmental Change and Health"

NIEHS invites you to its fourth annual Global Environmental Health Day on **July 1** with virtual sessions on "*Science at the Cutting Edge of Global Environmental Change and Health*" from 10am to 12:15pm and 1 to 3pm. Global Environmental Health (GEH) research addresses pressing environmental health problems and aims to improve the lives of the most vulnerable populations, both in the United States and around the world. GEH Day will serve as an opportunity to bring together a global community of colleagues to explore areas of interest and discuss new ideas, to form collaborations and share common goals. This year's speakers will emphasize climate and other global environmental changes and their associated health impacts. [Register](#).

Public Comments Sought for Grass Island Habitat Protection

New York State Department of Environmental Conservation is seeking public comments on a State Parks plan to protect an area off the north shore of Grand Island from erosion. The site is a popular anchorage for Niagara River boaters. The project around Grass Island would include installation of rock reefs, fill, root wads and aquatic vegetation. The shallow water and vegetation in this area serves as a spawning and nursery habitat for fish and nesting habitat for a number of birds. Written comments on the plan are due by **July 2** and should be mailed to Kerri L. Pickard-DePriest at DEC Region 9 Headquarters, 270 Michigan Ave., Buffalo 14203, or emailed to DEP.R9@dec.ny.gov. Read [more](#).

Aquatic Invasive Species Landing Blitz Ongoing

The New York State Department of Environmental Conservation (DEC), in cooperation with seven Great Lakes states and two Canadian provinces continues the second annual Aquatic Invasive Species (AIS) Landing Blitz, a regional campaign to inform boaters and others about the risks of introducing and spreading these invasive pests. The coordinated outreach effort continues to **July 5**. AIS are non-native aquatic plants and animals that can cause environmental and economic harm and harm to human health. Many AIS have been found in the lakes, ponds, and rivers of New York, and can be transported from waterbody to waterbody on watercraft and equipment. Boat stewards are paid members of the community or volunteers that provide boaters and other water recreationists with important information about precautions to reduce the likelihood of spreading AIS. The stewards help people learn how to inspect, clean, drain, and treat watercraft and equipment. For the direct link to the map to help locate these services, visit the [NYS Public Boat Launches with Boat Stewards or Decontamination Services Map](#). For [more information on the AIS Landing Blitz](#).

Remote Green Drinks for July

Want to connect with other environmentally-minded folks. Let's take advantage of technology and do Green Drinks remotely! Join others **Thursday July 9th** via [Zoom](#) (password: greendrink) from 4:30-5:10pm. Contact Misty at misty@fivesixteendesign.com with questions.

Master Gardener Online Garden Fence Chats

Join Cornell Cooperative Education Erie Master Gardener hotline volunteers as they host virtual hotline hours or 'Garden Fence Chats' **Monday –Friday via Zoom from 10:00 am to noon**. Register [here](#). This is an opportunity to chat with volunteers real time and share your gardening questions either by phone or the computer. Each day will feature a 10-15 minute presentation covering a timely topic or frequently asked question and then keep the line open for people to call-in or virtually stop-by with questions.

2020 Fish Stocking Program for Erie County

The annual sale of bass and minnows to assist landowners with managing fish in their ponds is open. Orders are due by **July 13** with pick up on July 25 at 10am. [Order Form](#)

Healthcare Goes Green Web Series

The College of the Holy Cross welcomes all undergraduate and graduate students to its [Healthcare Goes Green](#) web series this July. The four-part discussion-based series explores the connection between healthcare, sustainability, and equity. The four sessions include: **July 9:** *Climate Science: Its Impact on Health & Vulnerable Populations* with Paul Dellaripa MD, Brigham and Women's Hospital, Boston MA; **July 16:** *Changing Mindsets: Incremental Change to Transformational Change* with Sarah Fackler, Mass General Brigham; **July 23:** *A Green Environment: Creating Green Infrastructure Through Energy Conservation* with John Messervy, Mass General Brigham; and **July 30:** *Breaking Barriers: A Global Look at Sustainable, Equitable Health* with Tsitsi Masvawure DPhil, College of the Holy Cross.

July Garden Walks with a New Format

Garden Walk Buffalo and the East Side Garden Walk are sharing gardens differently in 2020. Each week will be packed with small front yard walking tours, live gardener interviews, live talks with garden pros where you can ask questions, online games and giveaways and more. They are events that you and people around the world can experience from home on social media, and when appropriate, in person. [Find out more here >>](#). More than 70 exceptional gardens will be open to visit throughout Buffalo Niagara on Thursdays and Fridays, for select hours, in July. Keep your [Tours of Open Gardens Guide](#) handy. If you see the Open Gardens sign out, you're welcome in! If you're there for the right hours, but a sign is not posted, an emergency has most likely popped up and the garden is not open. Please be prepared to: Wear face mask, Practice physical distancing, Not touch anything in the garden.

Reinstein Woods Receives Watershed STEM Grant

Friends of Reinstein Woods has received a \$57,325 grant to support a new “Watershed STEM in the Schoolyard” program, one of 29 Watershed STEM (science, technology, engineering and mathematics) Education Partnership Grants awarded across the country. The North American Association for Environmental Education (NAAEE) awarded the grant in partnership with the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Education. Reinstein Woods will engage students and educators at [21st Century Community Learning Centers \(21st CCLC\)](#) at Maryvale Intermediate School and Buffalo Public Schools 45 and 93. These learning centers provide academic enrichment opportunities during non-school hours for children, particularly students who attend high-poverty and low-performing schools. The centers help students meet state and local standards in core academic subjects while providing enrichment activities that complement their regular academic programs. In the “Watershed STEM in the Schoolyard” program, students in grades 4-5 will collect weather and water quality data, explore STEM careers, and complete stewardship projects in their local watershed. The program is designed to develop students’ environmental literacy and leadership skills as they improve their communities.

Penn Dixie Fossil Park: Dig with the Experts

Join Penn Dixie for their signature fossil dig — Dig with the Experts on **August 29 and 30!** This is a very popular, once yearly opportunity to unearth the best, most complete, and most unexpected fossils at Penn Dixie. They’ll have equipment do the heavy lifting and scientific experts on site to help with locating and identifying the best fossils. You’ll have to do your share of splitting and digging, of course, but you’re guaranteed to find something cool and interesting. Full info & tickets: <https://penndixie.org/dig-with-the-experts/>.

2020 Erie County Household Hazardous Waste Collections

Future Household Hazardous Waste Collection events will be posted at erie.gov/recycling. Residents will be required to pre-register to attend a collection event to receive a time block and location. **Pre-registration** can be made beginning **one month prior to each event**, [on-line](#) or by phone at 858-6800. A limited voucher program for residents to use to dispose of your HHW at your convenience is now available. Erie County has contracted with Hazman to provide vouchers that allow residents to bring up to 50 pounds of HHW to Hazman at no cost to you. The voucher program will also require a reservation which you can make via the Hazman website or the HHW hotline. For info, visit <https://www2.erie.gov/recycling/index.php?q=hhw>.

Greater Buffalo Niagara Regional Transportation Council Certification Review

The Federal Highway Administration and the Federal Transit Administration (FTA) are currently conducting the quadrennial Federal Certification Review of the Greater Buffalo Niagara Regional Transportation Council (GBNRTC). To assist the federal review team on gaining the public’s perspective of the GBNRTC, take a brief survey at surveymonkey.com/r/YXRDLTG.

Hawk Creek Open for Self-Guided Tours

Hawk Creek Wildlife Center in East Aurora is open for self-guided tours on Saturdays. Tickets are required for a timed visit and masks must be worn. Parking is FREE and tickets are \$10 for adults, and \$5 for children, seniors & veterans. Children 4 and under are FREE. [Tickets](#). Guidelines for visit are posted on the website.

Share Your Views on the Statewide Greenways Plan

Parks & Trails New York and NYS Parks, Recreation and Historic Preservation are creating the state’s first dedicated Statewide Greenways Plan. Your input is critical. Take a few minutes today to [fill out this survey](#) and let us know more about you and what makes you love your favorite greenway trail.

GoBike Community Workshop Open and Accepting Bike Donations

The Community Workshop of GoBike offers online refurbished bike [sales](#) and contactless [repair appointments](#). GoBike is offering a **30% discount for bicycle repair for all essential workers**. Please contact stacy@gobikebuffalo.org for a coupon code. We are still accepting bike and parts donations. Please leave donations at the shop as directed by the signage. The staff is at the workshop Monday through Friday. Please contact them if you need a tax receipt or to let us say thanks. The workshop, located at 98 Colvin Avenue, has been an education and support space for our community for more than 10 years. They've launched BikeMatchGOBFLO, a bike-matching service connecting people in need of a bike with unwanted or extra bikes in the community. If you, a family member, or a neighbor needs a bicycle to fulfill essential duties, please fill out the [brief form](#)

Summer at Chautauqua

The Chautauqua Assembly for 2020 will be a virtual one. Week 1 which continues through July 4 is focused on Climate Change: Prioritizing Our Global and Local Response. For more info or to register, visit <https://chq.org/season/weekly-themes/week-one-june-27-july-4>.

Free Energy Audits for Small Businesses and Non-Profits

Small businesses and non-profits that have 10 full time employees or less and an average annual electric demand of less than 100 kW are eligible for a free energy audit through the NYSERDA Small Commercial Energy Efficiency Program (SCEEP). Following a site visit to assess your facility, you will receive a report showing identified energy savings measures, estimated energy savings, estimated cost savings, and the costs to install the measures. This info can help you make informed decisions about implementing energy efficiency improvements. NYSERDA SCEEP energy audits are provided in Western New York by C.J. Brown Energy. For more information or for assistance in completing an application, contact Susan Busch at sbusch@cjbrownenergy.com.

Rust Belt Harvest: Mulberry Madness

Rust Belt Harvest is an organization that harvests and distributes surplus urban fruit and vegetables in Buffalo, NY. Rust Belt Harvest is kicking off its inaugural season by harvesting mulberry trees located in the City of Buffalo. We're lining up trees and we need your help! Do you have a mulberry tree on your property or know of one we can harvest? [Let us know!](#) We schedule harvests and recruit volunteer pickers to harvest the fruit. One-third of the fruit is donated, one-third is enjoyed by the volunteer harvesters and one-third goes to the homeowner. Interested in volunteering? You can sign up using this [form](#). No experience with fruit trees or harvesting required! The fruits and vegetables that would otherwise go to waste, are distributed to food banks, shelters and soup kitchens in Erie County. If you're interested in volunteering, donating a crop (homeowners and farmers) or supporting Rust Belt Harvest, please email info@rustbeltharvest.org or visit www.rustbeltharvest.org.

Plastic Bottles from Sugar Cane and Plant Waste: PEF vs PET

Sugar cane and plant waste can be used to make polyethylene furandicarboxylate (PEF) plastic bottles which can be used like the common PET plastic used in water bottles. The article has a great infographic on the process and reports that this method emits one-third less carbon emissions. [more](#)

Dicamba Pesticide Ban

The NYS DEC is cancelling the registration of three dicamba-based herbicides following a United States Court of Appeals for the [Ninth Circuit decision \(PDF\)](#). All use, including storage of opened containers, is prohibited after July 31, 2020. Dicamba kills annual and perennial broadleaf weeds and is primarily used for weed control for grain crops and turf areas. Drift from spraying has caused damage to trees and neighboring areas. Visit DEC's website for further information about [DEC's Pesticide Program](#).

2020 I Bird NY Challenges

The 2020 "I BIRD NY" Challenge is designed for beginner and experienced birders. The [I BIRD NY program](#) was launched to build on the State's efforts to increase access to New York's vast natural resources and promote low-cost opportunities to explore the great outdoors and connect with nature. The State's I Bird NY program provides resources for New Yorkers who would like to get outdoors and engage in birding all year long. People from all economic backgrounds and education levels experience the joy of birdwatching. While binoculars can help, you can enjoy birds without any special equipment. Certificates and entry for drawings are given for all who complete the challenge. Check out [I Bird NY Beginner's Challenge Challenge \(PDF\)](#), [I Bird NY Experienced Birder Challenge \(PDF\)](#), [Download a Beginner's Guide to Birding \(PDF\)](#) (also available in Spanish)

Doug Tallamy's Designing for Nature Talk

The Western New York Land Conservancy hosted a live virtual event with renowned author and insect and native plant expert, Doug Tallamy, on May 13th. More than 1,500 people registered for the event from all across the United States and Canada. [Here is the link to the recording of the stream](#). You can watch and share with your friends and colleagues. Doug's message of creating conservation corridors is vital to sustaining life as we know it on Earth.

Online Course on Organic Farming Offered

[Basics of Organic Farming](#) is a self-directed online course for beginning orchard and vegetable-crop farmers, existing organic farmers, and farmers in transition to organic production. This course is a joint effort of the Organic Farming Research Foundation (OFRF) and others. It consists of six modules: 1) soil health; 2) weed management; 3) irrigation and water management; 4) insect pest management; 5) disease management; and 6) economics and marketing. The first two modules are online, and OFRF is asking for farmer feedback to help develop the remaining modules.

National Young Farmers Coalition Introduces Racial Equity Toolkit

The National Young Farmers Coalition has created a [Racial Equity Toolkit](#) designed to orient and guide members toward preliminary consciousness-raising and direct action. According to the National Young Farmers Coalition, it is an initial resource for people who are overwhelmed by the breadth and depth of the problem, and need help determining how to start dismantling racism in their communities.

'Carbon Cowboys' Documentary Series Highlights Regenerative Grazers

[Carbon Cowboys](#), a 10-part documentary of short films by director Peter Byck, was released online by environmental nonprofit Carbon Nation in collaboration with Arizona State University. The 8- to 23-minute films highlight profitable regenerative grazers across the United States and in Canada. Byck says, "The film shows farmers working with nature, rather than against it. You see them caring for their animals and for their land. You see farmers making more money and creating an alternative to industrial farming."

Harmful Algal Blooms: Reporting System Available

The DEC maintains an online Harmful Algal Blooms (HABs) map and reporting system to inform the public about HABs locations in New York. The public is encouraged to send reports of HABs with photos electronically via a [simple, mobile phone-friendly form](#). After DEC and Department of Health (DOH) evaluate the reports, they are posted to the site at [NYHABS](#). HABs vary in appearance from scattered green dots in the water, to long, linear green streaks, pea soup or spilled green paint, to blue-green or white coloration. People, pets and livestock should avoid contact with water that is discolored or has algal scums on the surface. Most algae blooms are harmless. However, exposure to toxins and other substances from certain HABs can make people and animals sick. For more information about HABs, visit DEC's [Harmful Algal Blooms \(HABs\) webpage](#).

Slow Roll Introduces Social Distance Rides

While community events like Slow Roll Buffalo are currently suspended due to the state of emergency over the spread of COVID-19, yet parks are open to enjoy outdoor activity at safe social distance, Slow Roll is helping fill the void in communal gathering by posting the routes of our 2016 rides from five Buffalo parks and encouraging the public to ride individually for the benefit of our collective mental and physical health. The five public parks are part of the Buffalo Olmsted Parks system - Cazenovia, Delaware, Front, MLK and Riverside. Route maps are [online](#).

SkyRide Registration Open

Early-bird registration for SkyRide 2020 is open! Scheduled for **Sunday, August 9, 2020**, GObike Buffalo's annual event and fundraiser, offers thousands of cyclists a one-day opportunity to access our legacy highway infrastructure. We offer multiple routes to allow cyclists of all ages and abilities to participate. Register [here](#).

DEC Exams Rescheduled for Falconry, Wildlife Rehabilitator, and Leashed Tracking Dog Licenses

DEC examinations for individuals seeking a license to practice the sport of falconry, become a volunteer wildlife rehabilitator, or use leashed tracking dogs to find wounded or injured big game animals have been rescheduled for **Friday, August 14**. The exams will run from 10 a.m. to noon at most [DEC Regional Offices](#) across the state. Exam registration forms are available on [DEC's website](#).

2020 WNY Sustainable Business Summit

The annual summit has been rescheduled as a virtual event on **September 22 and 23**. Registration and program info is [available](#). The event is a great opportunity to engage with national sustainability leaders, and get inspired.

Paws in the Parks

Join us as we celebrate all animals at the 2020 Paws in the Park fundraiser on **September 26** at Beaver Island State Park! Paws in the Park is the SPCA Erie County's largest event and helps to fund all lifesaving work that happens at the SPCA. With your help and support we can continue our mission of creating a more humane community through education; rescuing, protecting, and enhancing the lives of animals; and nurturing the bond between animals and people. Register at http://specialevents.yourspca.org/site/TR?fr_id=1090&pg=entry

Taste of the Southtowns to Benefit Gooseneck Hill Waterfowl Farm

Taste of the Southtowns has been rescheduled to **September 27** from 12:00-5 pm INSIDE St. Aloysius Hall, 190 Franklin St., Springville. Proceeds benefit Gooseneck Hill Waterfowl Sanctuary, a 501c3 organization, the 2 largest covered aviaries in the US with over 78 different species and 700 endangered and protected ducks, geese and swans. You will be able to taste the food from 7 Restaurants and they will be serving 45 different food items. Food Items from \$2.00 to \$5.00. Dining tables are available while you can enjoy wonderful Country Music by: "The Rustic Ramblers" with Gene Hilts on steel guitar. the best country band in the area. Get a Massage by Eric Davis for \$1/minute. Free Admission with \$10 purchase of Chinese auction or food tickets. For info call 716-942-6835, rosebird@frontiernet.net, www.gooseneckhillwaterfowlfarm.com.

Sixteenth Annual Symposium on Energy in the 21st Century

"On the Road to 100% Renewable Energy: Challenges and Opportunities" is the theme for this year's Symposium on Energy. It has been rescheduled for **October 26, 2020**. Register [Here](#). For the speakers, visit <http://energy21symposium.org/>.

Rethink your Lawn

Manicured green lawns use lots of resources and time and provide little biodiversity for pollinators and other organisms. Eliminate the harmful chemicals and consider alternative plantings. Check out the Erie County Healthy Lawns campaign and take the “Home for a Gnome” pledge at <http://erie.cce.cornell.edu/gardening/-erie-county-healthy-lawns-campaign>. Also check out <https://www.treehugger.com/use-instead-grass-your-lawn-4857992> for the benefits of clover and freeing yourself from so much lawn care.

Genesee River Angler Diarists Needed!

Your fishing observations can help shape future fisheries management actions. DEC is seeking angler observations as it begins its angler diary program on the Genesee River in Allegany and Wyoming counties. The diarist program aims to record data for trout and bass fishing trips on the Genesee River from the Pennsylvania line downstream through Letchworth State Park between **March 1 and October 31, 2020**. Anglers who fish the Genesee River (even once) and would like to contribute observations by keeping a fishing diary for DEC can contact DEC’s Region 9 Fisheries office at (716) 379-6379 or by email at fwfish9@dec.ny.gov.

“Origami” Reusable Water Bottle

A new design allows for a foldable reusable water bottle. Soon you will be able to fold your empty bottle and store in your pocket when empty. <https://www.fastcompany.com/90520794/this-reusable-origami-bottle-folds-to-fit-in-your-pocket>.

Funding Available for Job Training in Energy Efficiency and Clean Technology

NYSERDA’s On-the-Job Training (OJT) for Energy Efficiency and Clean Technology program provides wage subsidies to eligible businesses to reduce the financial risk of hiring and training new workers, while developing job skills for new workers in energy efficiency and clean technology businesses. NYSERDA is working closely with the New York State Department of Labor (NYSDOL) to deliver this OJT program. NYSDOL will assist eligible businesses with developing OJT training plans as well as assessing necessary skills and available workers that match those skills. Incentives will be provided to businesses that hire workers for OJT enabling new workers to obtain clean energy field experience that cannot be gained by classroom training alone. All incentives, maximum funding amounts (i.e., caps), and COVID-19 specific provisions are subject to change on 12/31/20. For the Summary of Revisions and all Associated Documents Visit [PON 3982 Solicitation Detail Page](#).

Insect Documentary: Benefits of Bugs

[Chasing Bugs](#) is a short documentary film that highlights the importance of insects and other arthropods in both human and natural systems. Enjoy interviews with leading entomologists including Alex Wild, Doug Tallamy, John Abbott, and Piotr Naskrecki - who provide tangible advice for how to conserve these beautiful animals in your home landscape. Filmmaker and photographer Danae Wolfe spent two years on this solo film project with the intent of introducing the public to the plight of insects. Her hope with the film is to showcase the importance of insects and spiders in ways that will motivate homeowners to forgo the classic American lawn and instead manage their landscape for pollinators and other beneficial bugs.

Connection of Factory Farms and Pandemics

With the ongoing pandemic, flaws in our food supply chain have become obvious. Livestock production, slaughtering and processing have been hardest hit; some farmers with large herds have killed their animals because they can’t be slaughtered and processed in a timely manner. Working and living conditions for workers in processing facilities have led to widespread illnesses among them. As we consider future changes and the impact that our factory farms have, statistics indicate that 3 out of every 4 new or emerging infectious diseases come from animals. For a short primer from the CDC, view https://www.youtube.com/watch?v=Kbtgz-LoWH0&mc_cid=f622293c35&mc_eid=e5e0087af6

Reducing Pet Food Footprints

A California maggot farm is creating a new pet food raised on restaurant waste. While they aren't marketing dog or cat food yet, the food with freeze-dried black soldier fly maggots as a protein source is being sold for food for chickens, pigs, birds, reptiles and fish. Read more [here](#).

EPA Launches Sustainable Materials Prioritization Tools

The EPA provides [Sustainable Materials Management Prioritization Tools](#) as a starting place for governments, trade associations, NGOs, companies, small enterprises, and other organizations to select materials. The tools provide a life cycle analysis which helps groups establish priorities for environmental improvement, focus their limited financial and human resources where action could offer greater holistic benefit, and consider key industries for collaboration. The SMM Prioritization Tools generate dynamic charts that present over 10 million data points from a fully transparent, open and freely available life cycle model created by EPA. These charts provide insights across more than 20 environmental, social and economic indicators for over 390 categories of goods and services in the United States.

Hotter than Ever

Temperatures in the small Siberian town of Verkhoyansk — normally one of the coldest places on the planet — reached 100.4°F recently, likely the hottest temperature ever recorded in Siberia and north of the Arctic Circle, [CBS News reports](#). Caribou, Maine tied its all-time record of 96°F.

Coloring Map

Many Western New Yorkers are spending time, safe at home, due to the COVID-19 outbreak and a University at Buffalo professor is providing a way to help pass the time. Dr. Monica Stephens, an assistant professor in the department of Geography at the University at Buffalo, has created a free printable interactive map of Buffalo that allows you to color your neighborhood, or all of Buffalo! You can [find the "Color Buffalo" map here](#).

Canalway Challenge: How Many Miles Will You Track in 2020?

The **Canalway Challenge** officially launches in May with a new slate of activities and giveaways, but you can start tracking miles any time. Especially during this time when so many things are closed, the **Canalway Trail remains open** and presents a healthy option for getting fresh air and exercise. [Sign up](#) anytime or use your existing log in link to create a new challenge for 2020 or to add miles to an unfinished Challenge.

New York State Green Building Conference

Experience the NYS Green Building Conference which has been rescheduled for **October 29 & 30, 2020** at the historic Marriott Syracuse Downtown, formerly Hotel Syracuse, and enjoy this newly renovated hotel with convenient features and a contemporary feel. For info and lodging, visit <https://www.esf.edu/greenbuilding/>.

Fabric Coating Created that Prevents Viral Adhesion

University of Pittsburgh researchers have created a washable textile coating that repels liquids, such as blood and saliva, and also prevents viruses from adhering to its surface. The liquid- and virus-repellent coating is made with polytetrafluoroethylene (PTFE, the same polymer that makes Teflon nonstick) and polypropylene microfibers. Unlike some existing coatings, the team feels that their material will be stable through washing and more durable. For more, <https://www.fastcompany.com/90505641/this-coating-makes-viruses-slide-right-off-fabric>

Bike-Friendly Business Certification

Bike Friendly New York (BFNY) is a certification program that recognizes businesses and establishments that accommodate bicycles and the people that ride them. To get certified, review requirements at www.ptny.org/bikefriendly, fulfill required criteria, and apply for review. Certified businesses can promote on their website and display on windows and other promotional materials.

The College Lodge Forest: A Nature Sanctuary

The College Lodge Forest in Fredonia is situated on the Portage Escarpment overlooking the Lake Erie plain. The land sits on a continental divide: on one side rainwater drains towards Lake Erie and the Atlantic Ocean, while on the other side it drains towards the Mississippi River and the Gulf of Mexico. The heart of the forest is anchored by a large grove of towering old-growth trees hundreds of years old, extremely rare in Western New York. The WNY Land Conservancy is currently raising funds to ensure its protection and needs to raise \$390,000 more by December 31. The Faculty Student Association (FSA), a non-profit auxiliary of SUNY Fredonia, has owned the property and operated a historic lodge on the site since 1969. But the cost of maintaining the land and all of the buildings is high, and the FSA proposed a plan to raise funds by logging the forest, including the old-growth trees. Fortunately, the FSA decided to sell a large portion of the land to the Land Conservancy and enable protection of the forest. By purchasing 168 acres from the FSA, the Land Conservancy will protect the forest and the FSA will be able to invest funds from the sale into the stewardship of visitor facilities on the portion of the property it retains. The FSA will continue to own and operate the lodge and the 33 acres surrounding it. The 168 acres of forest that the Land Conservancy will purchase includes miles of hiking, snowshoeing, and cross-country ski trails. Once purchased, the Land Conservancy will maintain it as a publicly accessible nature preserve.

If you wish to visit, the College Lodge Forest is located at 8067 Route 380 Brocton, NY 14716. For more info, visit collegelodge.com. To learn more about the Land Conservancy's efforts to save the College Lodge Forest and to donate to the campaign, visit wnylc.org.

Biomimicry: Using a Volcano Dwelling Beetle Design

Researchers have been investigating how a volcano dwelling beetle can handle the heat. The team discovered how the beetle's shell structure helps it cool down, and mimicked it to make a new passive cooling film. The longhorn beetle has tiny triangular structures on its wings that reflect sunlight, while also allowing its body heat to escape. So, the researchers set out to mimic that structure in a material. They started with a polymer called polydimethylsiloxane (PDMS), and incorporated ceramic particles into it. The film was then micro-stamped with a triangular pattern similar to that on the beetle's wings. In tests, the new film showed promise in passive cooling. When placed in direct sunlight, items beneath the film were as much as 5.1 °C (9.2 °F) cooler than those without it. Check out the [video](#). The researchers say that this new film could be used as a coating on things like windows, solar panels, cars, fabrics, wearables and electronic devices, to keep them cool without needing to expend any energy. [read more](#)

Buffalo Food Waste Diversion is Available Year-Round

The City has tested and is launching year-round collection of food waste in an outdoor collection bin at Elmwood Avenue and Bidwell Parkway. Food scraps will be transported by Natural Upcycling to Buffalo River Compost. Since June 2019, over 1000 people have participated in the "Scrap it" program with six summer locations available for drop-off. Acceptable materials are fruits and vegetable scraps, coffee grounds and filters, egg shells, tea bags and nuts. For more info, visit www.buffalorecycles.org.

Safe Lanes Bike Lane Reporting Platform

Did you know that you can make roads safer by bikers by reporting obstacles? See a bike lane blocked by a car, delivery truck, police officer, etc.? [Report it using Safe Lanes.](#)

Buffalo Bike Tours: Bike There Self-guided Rides

Buffalo Bike Tours is launching **Bike There!**, a series of self-guided bike rides of Buffalo, to keep you active in the Covid-19 crisis. This content is available to everyone free of charge during these challenging times, to promote exercise, celebrating our great city, and instilling social distancing. [DOWNLOAD SELF GUIDED TOURS HERE.](#)

Solar-Powered Heritage Carousel

A solar-powered historic carousel had planned to open Summer 2020, but the pandemic delays have shifted the grand opening to spring 2021. The Buffalo Heritage Carousel, Inc. is nearing completion of the restoration of the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots. The Canalside building which will be its future home is currently under construction. Consider adopting one of the animals or contributing to the efforts of the project as they still need donations to meet their goals. The groundbreaking for the building occurred in October 2019 and construction will continue when allowed. For info, visit <http://buffaloheritagecarousel.org/>

No More Flat Tires

Goodyear introduced its latest “stretch concept” tire, the ReCharge, which theoretically never needs replacing or even rotating because it can replace worn treads from the inside. ReCharge tires extrude a high-tech compound of renewable materials including dandelion rubber and synthetic spider silk. The mixture is fed through a series of fine pipes out to the surface of the wheel where they dry, cure and set into brand new treads. These are a more environmentally responsible alternative to today’s standard tire composition, which requires the addition of either carbon black or silica to reinforce the structural capabilities of petroleum rubber. In this case, the synthetic spider silk can help augment the natural properties of dandelion rubber to reduce wear and extend the functional life of the tire. Instead of relying on air pressure, the replacement tread solution would be stored in replaceable canisters within the wheel hub. [More info.](#)

Guide to Talking about Climate Change with Kids

“*Beginning the Climate Conversation: A Family’s Guide*” will help you talk to your kids about the climate crisis by providing tips on how to start the conversation, deciding on age-specific information and moving the conversation from dangers to solutions. Download the free guide at [link](#).

Report *Cladophora* on Shorelines

Help us understand and monitor *Cladophora*, a non-harmful green alga, by reporting observations along Lake Erie, Lake Ontario, Niagara River and St. Lawrence River Shorelines. *Cladophora* is a type of stringy (filamentous) algae that grows on rocks, wood, logs, and other hard underwater surfaces in freshwater ecosystems, including the Great Lakes basin. For pictures, visit <http://www.dec.ny.gov/chemical/81962.html>. If you spot this type of stringy algae along New York's Great Lakes shorelines, DEC wants to know. Please use [fillable PDF](#) and e-mail to GLCladophora@dec.ny.gov.

Virtual Exhibition on Conservation Art

Enjoy the work of illustrators, artists and photographers online as part of the 2020 Conservation Art Film Festival. Work and more info available at <https://conservationoptimism.org/virtual-exhibition/>.

Reuse Action in Action: Source for Reusable Materials

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video [here](#) for their recent work. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them to Reuse Action. Check out their website at www.reuseaction.com, call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

The Great American Cleanup Virtual Experience

Let's #DoBeautifulThings and come together as an online community – have some fun, get some exercise, form a team, and raise funds for Keep America Beautiful through the [Great American Cleanup Virtual Experience](#). We're just getting started! [Register here](#).

Food Composting and Waste Resources

A recent Food Donation & Food Scraps Recycling Law meeting at the University at Buffalo addressed a number of community questions. The law, which goes into effect in 2022, only applies to certain large volume food scrap generators. Resources provided at the meeting are available using [this link](#).

Current NY Environmental Bills List

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. <http://eany.org/our-work/bill-ratings>

***Our Farms, Our Future* Podcast Series: Voices in Sustainable Agriculture**

From coast to coast, a diverse community of farmers, ranchers, scientists and educators is working to shape a sustainable future for our food system. Listen to the new [Our Farms, Our Future podcast series](#) and join this community for intimate conversations about the state of agriculture, how we got here and where we're headed.

Bee Better Certified: A Farmer's Guide

Bee Better Certified™ is the gold standard of pollinator-focused farm certification programs. Developed by the Xerces Society, the world's largest science-based pollinator conservation organization, Bee Better Certified builds upon nearly two decades of on-farm habitat research and development. Certification is available to all producers of fruit, vegetable, and commodity crops. Once certified, products can display the Bee Better Certified seal, providing premium accreditation for their work to support pollinator conservation. This [brochure](#) offers an overview of the program, certification standards, and the certification process. If you would like further information, please see beebettercertified.org, or contact us at (503) 232-6639 or info@beebettercertified.org.

Business Membership Program to Encourage Greener Commuting

Go Buffalo Niagara, a Transportation Management Association serving Erie and Niagara Counties, has launched a [business membership program](#) which encourages people to commute without a car. Once a business is signed up, its employees who choose to walk, carpool, bike, or take public transit to work will have access to myriad alternative transportation incentives, such as: discounted transit passes and preferred parking for carpools, guaranteed ride home which provides those who don't drive alone with a free ride home in case of emergencies, discounted memberships to [GObike Buffalo](#) and [Reddy Bikeshare](#) and monthly raffles for commuters who log their commute trips.

Erie County Annual Water Quality Report Published

Curious about local water quality. Check out the published annual [report](#) for 2019 testing. In this report you will find details about the quality of your drinking water during the past year, where your water comes from, how your water is treated and tested, how it compares to safety standards set by regulatory agencies, and answers to frequently asked questions.

Free Hard Drive Recycling

Western Digital is offering free hard drive recycling through their US electronic waste recycling program. You can safely dispose of your old internal and external **HDDs and SSDs**, from any manufacturer with the data securely destroyed. For more info, visit <https://shop.westerndigital.com/campaign/landing/easy-recycle>

Nonprofit Funding for Green Energy

Sun Club is [accepting grant applications](#) from nonprofits that need green funding and clean energy expertise. By funding sustainable solutions for nonprofits, Sun Club helps them continue their mission while contributing to a cleaner environment.

Personal Plastics Calculator

Environmental footprint calculators have been used for a number of years as a measure of personal impact. Now there is a calculator that allows you to assess your plastic usage in a week or year. While we may not have substitutes for all of the items, the first step in reduction is awareness. Check out the calculator at [plastic footprint](#).

The Promise of Biomimicry: Resilient Design in a Climate Impacted World

The Biomimicry Institute recently released this new [film](#) that introduces biomimicry as a way of living for everyday people and as a pathway for design inspired by nature. Co-founder Janine Benyus walks us through the emerging discipline that takes wisdom from the natural world to transform it into human design. Up-and-coming companies share their vision and inspiration, and viewers are poised to ask how nature would solve a problem.

Pollinators Under Pressure

This [film](#) produced by Tree Media looks at the plight of pollinators around the world and the actions we can all take to ensure their survival, and that of humans and ecosystems everywhere. Narrated by actor and environmental activist Leonardo DiCaprio, this short film features expert voices and diverse points of view from representatives of federal agencies, NGOs, and youth who are working in communities to help residents understand the impact of everyday actions on pollinators and their habitats.

Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action

Health professionals have an important role as trusted messengers to engage their patients, peers, community, and policymakers on equitable climate solutions. Climate for Health's latest guide, [Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action](#), provides you with guidance and tools to reduce energy use, to build resilient clinics and health departments, and advocate for climate solutions that prioritize health and equity. Implement the tools and recommendations in this guide to become a part of the movement to heal the world and protect future generations.

Study Finds Fracking Linked to Rare Birth Defect in Horses

A new study has uncovered a link between fracking chemicals in farm water and a rare birth defect in horses—which researchers say could serve as a warning about fracking and human infant health. The study, published this month in the journal *Science of the Total Environment*, complements a growing body of research linking fracking to numerous human health effects, including preterm births and high-risk pregnancies. Veterinarians at Cornell University diagnosed five out of 10 foals born on one farm in Pennsylvania with the rare birth defect dysphagia which causes nursing foals to inhale milk instead of swallowing it, often resulting in pneumonia if milk gets into their lungs. There were higher levels of four kinds of polycyclic aromatic hydrocarbons (PAHs) detected in water on that farm. Horses at a New York farm owned by the same individual and raised under similar techniques had healthy foals; the only difference between farms was the water supply. Read more [here](#).

More Durable Concrete using Biomimicry Principles

University of Colorado Boulder researchers have turned to biomimicry to help our future infrastructure. A synthetic molecule based on natural antifreeze proteins minimizes freeze-thaw damage and increases the strength and durability of concrete, improving its longevity and decreasing carbon emissions over its lifetime. The polyvinyl alcohol, or PVA—behaves exactly like these antifreeze proteins but is much more stable at a high pH, and is combined with another non-toxic, robust molecule—polyethylene glycol. This new method, published in *Cell Reports Physical Science*, uses compounds that prevent ice crystal growth and mitigates frost damage in concrete infrastructure. Concrete is formed by mixing water, cement powder and various aggregates, like sand or gravel. “Since the 1930s, small air bubbles have been put into concrete to protect it from water and ice crystal damage. This allows any water that seeps into the concrete to have room to expand when it freezes. Without it, the surface of damaged concrete will flake off.” This allows road salts and other chemicals to leach into the concrete, which can then degrade embedded steel. In research tests, the new concrete performed as well as concrete with air bubbles with the benefit of lower permeability and a longer lifespan. [Learn more about Srubar's work from the College of Engineering and Applied Science's podcast, OnCue.](#)

Museum of the Earth's Bees! Exhibit is Now Online

The current special exhibit at the Museum of the Earth in Ithaca, New York, is “Bees! Diversity, Evolution, Conservation”, and while the Museum is closed until further notice, their online version of the exhibit is available at <https://www.museumoftheearth.org/bees/>. This takes you through the fascinating world of bees and reveals amazing facts and new insights into an insect which is vital to the cultivation of the food we eat. Discover the diversity of the over 20,000 species of bees from all over the world. Learn about their co-evolution with the flowers they pollinate. Explore bee biology and behaviors. Find out what threats bees currently face, and what you can do to help.

New Resources Available to Reduce Hazardous Waste & Save Money

DEC has developed a resource guide for hazardous waste generators to reduce waste and save money. Resources include archived webinars presented by the New York State Pollution Prevention Institute (NYSP2I) on topics such as How Your Facility Can Reduce Hazardous Waste and Save Money and Best Practices for Sustainable Manufacturing. <http://www.dec.ny.gov/chemical/110901.html>.

Firefly Conservation: Save our Night Flashers

Xerces, the non-profit focused on invertebrate conservation, has produced a [brochure](#) highlighting the important role and the threats leading to the decline of the firefly. There are more than 2000 species of these beetles; they have been celebrated in art, music, and literature, and contributed to numerous advances in medicine and our understanding of evolution, genetics, and ecology. Their bioluminescent light shows brightens up many summer nights in areas where they are abundant. By carefully considering their needs and how our actions could affect them, we can take steps to ensure that their lights shine for future generations. For more info on protecting fireflies, check out Xerces' [firefly resources](#).

Save and Share Seeds for Conservation

When you save, grow, and share rare seeds you are helping to build a more secure food future. Visit <https://www.globalseednetwork.org/> to learn to successfully collect, save, and store seeds. You can preserve plant diversity and protect our public food system from corporate consolidation by saving, posting, and sharing seeds with a global community of farmers and gardeners.

Erie County Launches Farmer-Customer Website

With concern over reducing agricultural waste, Erie County is launching Erie Grown, which will help residents get in touch with local farms to buy products. The website will have an interactive map and will also show farmers markets, U-pick farms, nurseries, wineries and others. Farmers can get added to the map by visiting www.erie.gov/enrolleriegrown. The site is www.erie.gov/eriegrown.

Follow GBUG!

Greater Buffalo Urban Growers is now posting on your favorite social media apps. Follow along to connect with all of the wonderful urban growers in Buffalo. The Grower Gazette features a new producer each week! Find GBUG on Facebook [HERE](#) and Instagram [HERE](#) and get to know your urban farmers!

Online LEED Green Associate Workshops

Live webinars are being offered for preparing for the LEED Green Associate exam. Webinars are offered on July 11 from 1-5pm, July 29 from 5-9pm, August 23 from 1-5pm and Sept. 12 from 2-6pm. You can register here for a webinar - <https://leadinggreen.com/webinars> or take a [course](#) at your own pace.

Climate Change Solutions Simulator

En-ROADS is a transparent, freely-available policy simulation model that provides policymakers, educators, businesses, the media, and the public with the ability to explore, for themselves, the likely consequences of energy, economic growth, land use, and other policies and uncertainties, with the goal of improving their understanding. The simulation, developed by Climate Interactive, Ventana Systems, and MIT Sloan, runs on an ordinary laptop in a fraction of a second, is available online, offers an intuitive interface, has been carefully grounded in the best available science, and has been calibrated against a wide range of existing integrated assessment, climate and energy models. View it [here](#).

Reduce Your School's Food Waste with New Toolkit

In celebration of Earth Day, The Center for Green schools released the *Sharing the Table: A Roadmap to Reducing and Recovering Surplus Food in Schools*, a toolkit to help school stakeholders create and implement programs to reduce and recover surplus food. **Download the toolkit today.** The creation of this Roadmap seeks to lower the barriers for school districts interested in reducing and recovering their surplus food in the hope of strengthening connections to their community and seeing a dramatic reduction of food waste.

EPA Food Opportunities Map

EPA's Excess Food Opportunities Map identifies and displays facility-specific information for over one million potential generators and recipients of excess food in the industrial, commercial and institutional sectors and also provides estimates of excess food for each generator. The map can be used to inform waste management and food recovery decisions at the local level as well as to identify potential sources of organic feedstocks, infrastructure gaps and alternatives to landfilling. The map may help businesses and organizations identify opportunities for new partnerships to help address changes in the food supply chain. [Find out more about the map and this recent update here.](#)

Understanding Your Carbon Footprint: A How-to Guide for Businesses

What is your carbon footprint? It is a measure of your climate impact. Almost every activity in your day-to-day life causes greenhouse gas emissions. These emissions can be quite obvious, like when you drive a car, or less clear, like those produced to provide a financial service. This [informative resource](#) provides a guide for businesses to better understand and develop a strategy for improving their environmental impact.

New Greenhouse Manual: Guide for Educators

The National Center for Appropriate Technology (NCAT), the United States Botanic Garden (USBG), and City Blossoms are proud to release their new “Greenhouse Manual: An Introductory Guide for Educators.” The manual is an easy-to-use guide designed to help educators with access to educational greenhouses. Whether planting gardens, growing for Farm to School programs, or integrating plant science into an existing curriculum, this manual has answers that educators need. The greenhouse manual can be downloaded for free [here](#).

Free Professional Development for Teachers

Projects WET and WILD have partnered with National Wildlife Federation (NWF) to provide a free online professional development opportunity for teachers and educators. Visit [Project WET's Home and Distance Learning](#) webpage to register. This self-paced training includes information on climate, global warming, biodiversity and more. After completing the course, participants will have access to two activities each from WET and WILD as well as Earth Day resources from NWF. This opportunity is available, for free, through June 2020.

NYS honors the federal Fourth Grade *Every Kid in a Park* Pass?

New York State Parks will accept the National Park Service's Every-Kid-in-a-Park pass upon presentation for free entry into all State Parks and for tours at Historic Sites. For more information on activities 4th graders can do at NY State Parks & Historic Sites with this pass, and how to receive it, visit the [Connect Kids page](#).

Teachers: Get Your Free Climate Superstars Educator Guide!

Are your students Climate Superstars? Then put their skills to the test by signing up for the Climate Superstars Challenge! This 10-day online environmental challenge for grades 6-8 is designed to get kids excited about environmental education and teaches them the value of collaboration. By completing daily tasks related to climate change and energy consumption, your classroom will have the chance to **win a Samsung Flip 2—a 4K UHD digital flipchart!** This year's challenge will take place **October 19-30**, but in honor of EE Week, we're releasing a **Climate Superstars Educator Guide** in May with background information on tasks, suggestions on how to include tasks into lesson plans, and tools to explore topics further. Visit [NEEFusa.org/ClimateSuperstars](https://www.neefusa.org/ClimateSuperstars) to register for the challenge and receive your free educator guide when it is released.

Teacher's and Home-Schooling Resources

[K-12 EE Guidelines: Online Teaching Module](#) provides lesson plans, videos/PowerPoint presentations, and handouts ready for you to use in your college course or professional development workshop. It provides a step-by-step introduction to NAAEE's [K-12 Environmental Education: Guidelines for Excellence](#). The module begins with a general welcome session, and then moves into an investigation of environmental literacy and the K-12 Environmental Education Guidelines. Finally, participants complete an Environmental Literacy Self-Assessment and create their own professional development plan.

[Investigating Seasonal Temperature and Precipitation Patterns](#)-Students interpret and organize temperature and precipitation data into tables, plot graphs, and compare the data across different locations and times of the year. They look for patterns and support claims about temperatures and precipitation across different seasons and locations.

[Point of No Return Educational Experience](#)- uses the award-winning documentary, *Point of No Return* - the inspirational inside story of the first solar powered flight around the world for hands-on, inquiry-based, environmental STEM curriculum for upper elementary, middle, and high school students.

[H.O.M.E.School Activities](#) are available from the Alliance for the Great Lakes,

[Great Lakes Ecosystem Education Exchange](#) for more information on Great Lakes issues, lesson plans, and organizations in your area to connect with.

[Caregiver Resources While at Home: Surviving at Home with Youth](#). This page has DEC-created lesson plans, DEC YouTube links, Tips to Help Caregivers Transition to Remote Learning, Professional Development Opportunities for Educators, loads of online resources from places around the state and the world (NY Botanical Garden, National Wildlife Federation, American Museum of Natural History, the Wild Center, Cornell Lab of Ornithology, and WXXI, Greater Rochester's PBS channel). There are two databases of community science projects and what community science is, along with a long list of live animal cams to visit and Zoos and Centers offering Facebook content weekly or daily. Then, head over to DEC's [Quick Family Activities](#) for ideas that can be done indoors or outside.

[Green Chemistry Resources](#)-teach students about chemistry and sustainability away from the lab.

[iBiome](#)-Environmental Education game-based learning.

[Plastic-Free Future toolkit for Teachers and Parents](#)

[Young Voices for the Planet Civic Engagement and Curriculum](#)- inspirational stories into classrooms across all grades and subject areas. Ideal for ELA, Science, Social Studies and Civics classrooms with lessons available for 3-5, 6-8 and 9-12.

"[Bee-ing There for Bees.](#)" chapter 6 from *It's Still Debatable! Using Socioscientific Issues to Develop Scientific Literacy*. Students will engage with literature about bees before investigating honeybee behavior and then working together on an engineering design challenge. As they construct a bee hotel for mason bees, students plan out ways to help their community learn more about the importance of bees and other pollinators and factors that impact their habitats.

[Carbon Sequestration in Campus trees](#)-In this activity, students use a spreadsheet to calculate the net carbon sequestration in a set of trees; they will utilize an allometric approach based upon parameters measured on the individual trees. They determine the species of trees in the set, measure trunk diameter at a particular height, and use the spreadsheet to calculate carbon content of the tree using forestry research data.

[The National Wildlife Federation's Lesson Plans and Webinars](#)

[Audubon Adventures for Grades 3-6](#)

[Free environmental education resources](#) for Earth Day to help you organize your own environmental teach-in in your community!

[Sea Bear: A Journey for Survival](#)-The purposes of this S.T.E.A.M. based mobile project are to learn about the Arctic, practice research skills, build scientific communication skills, use fine motor skills, and encourage science, ocean and climate literacy.

[Interactive Website on Marine Life](#)-keep scrolling down until you hit the ocean floor to see/sea what lives at various ocean depths

[Climate of Change: Interactions and Feedbacks of Water, Air and Ice](#)-This module has a **positive focus on adaptations to climate change**. Activities provide students opportunities to think locally, regionally, and globally. They drive thinking about climate change and social vulnerability. This leads to better informed citizens, empowered to make more responsible decisions.

[The Nature of Teaching](#) includes formal standards-based curricula and informal activity-based curricula all centered around getting youth outside. The three program areas of the formal curricula include: Wildlife, Health and Wellness, and Food Waste. Each program area provides standards-based lesson plans free as a downloadable PDF. Lesson plans are classroom ready for grades K-12.

[Go Bats for Bats with Project Learning Tree](#)

[Marine Activities, Resources & Education](#)-Tap into your students' natural curiosity about the ocean to teach important science concepts while addressing Next Generation Science Standards!

[Exploring Sustainability in the Classroom](#)-will make your safari toward a sustainable school and world an enjoyable journey.

[Living Landscapes – Culture, Climate Science and Education](#) is a diverse collection of online resources and instructional materials for high school and college. What makes it unique is the perspective of native nations that is woven throughout and the blend of traditional indigenous knowledge and current climate science research that permeates the materials.

[H2O for Life](#) provides a service-learning opportunity for schools in the United States that helps teachers and students raise awareness about the [global water crisis](#) while taking action to provide funds for a water, sanitation, and hygiene education project for a partner school in the developing world.

[Reading Guide to Support Climate Education](#) will help you bring climate change books to your English/Language Arts classes, book clubs, science classes, and beyond. Climate change fiction and non-fiction books are included, along with book summaries, reading levels, discussion questions, and relevant news articles to bring the content to life.

[Plastic pollution and Cleanup](#)- This guide has been specifically designed to help anyone plan and host a successful and impactful cleanup event. Whether you are a youth or an adult, if you live near a beach, river, or lake, everyone has the ability to make a change. Every ounce of single use plastic prevention helps; even removing one piece of plastic from the ocean could save the life of an animal.

[E-STEM activity with Bird Nests](#)-summary of an activity learning about bird nests and building them with different materials.

[NOAA's Data in the Classroom](#)- students use real-time ocean data to explore today's most pressing environmental issues, and develop problem-solving skills employed by scientists. Access online and classroom-ready curriculum activities with a scaled approach to learning and easy-to-use data exploration tools.

[Climate Education Week](#): This Toolkit is a web-based, cross-disciplinary resource that includes a range of lesson plans and educational activities focused on the issue of Biodiversity. Teachers can utilize any or all activities from this Toolkit during Climate Education Week or anytime during the academic year!

[Animal Migration](#)- This activity guide is full of fun ways to learn about animal migrations in the US. Designed for elementary age kids, it can be used in a classroom as a worksheet or at home for some easy activity ideas.

[Racing Extinction](#)-Curriculum on endangered species.

[Y-PLAN](#) (Youth – Plan, Learn, Act, Now) is a unique, award-winning educational strategy that empowers young people to tackle real-world problems in their communities through project-based civic learning experiences. If you're an educator or civic leader outside of where we are currently working, we provide a free toolkit to do a "Do-It-Yourself" Y-PLAN.

Contests and Awards

[Grow-NY](#) is a business competition focused on growing an enduring food and agriculture innovation cluster in the Grow-NY region. The competition attracts innovative, high-growth food and agriculture startups from across the globe and engages them in the region's rapidly-growing startup ecosystem. Finalists will pitch their business ideas for a chance to win up to **\$1 million**. Winning companies will be required to execute bold plans to grow jobs, connect with local industry partners, and contribute to a thriving Upstate economy. Deadline: **July 15**.

[EPA's 2020 Clean Air Excellence Awards](#) open to both public and private entities. Entries are limited to efforts related to air quality in the United States.! Deadline: **July 31, 2020**.

[2020 NERC Environmental Sustainability Leadership Award](#)-The award program offers a unique opportunity for individuals and companies in NERC's 11-state region that demonstrate an impact on an environmentally sustainable economy in furtherance of the NERC mission. Awards are given to the public and private sector, with a special category reserved for NERC Advisory Members. Deadline: **August 14**.

[Hackaday Conservation Challenge](#)-Conservation X provides funding to inspire creative solutions. Challenge 1 seeks new globally scalable systems and technologies that aid in the monitoring, prevention, and systematic removal of invasive species in aquatic ecosystems or on islands. Challenge 2 seeks methods for real-time monitoring of everything on or below the water with surveillance technology and data analytics designed for affordability and autonomy within the developing and developed world. Deadline: **August 31**.

Grant and Scholarship Opportunities

[Food System Targeted Small Grants Program](#). Up to \$3 million is available for grants for innovative fresh food retail and food system enterprises that seek to improve access to healthy food in underserved areas. Letter of Interest Deadline: **July 10**.

[Anaerobic Digestion Funding Opportunity](#)-The U.S. Environmental Protection Agency (EPA) supports diversion of food waste and other organic materials from landfills. Anaerobic digestion is an alternative to landfilling that results in environmental benefits in the form of renewable energy (biogas) and a product that can improve soil health (digestate). EPA announced the availability of \$3 million to accelerate the development of new or enhance/increase existing anaerobic digestion capacity and infrastructure in the United States. Deadline: **July 14**.

[Northeast SARE's Research and Education Grant program](#) (Northeast Sustainable Agriculture) funds projects (with or without an applied research component) that result in gains in farmer knowledge and skills applied to make changes that lead to greater sustainability throughout the Northeast region. Deadline for preproposal: **July 23**.

[Youth Outdoor Equity Leadership Grants](#)-Mini-grants of \$500 will be awarded to young leaders ages 18 to 30. Examples of projects could include: online outdoor education sessions; creating gardens that employ young people and provide fresh food; providing outdoor gear to remove barriers to outdoor recreation; legislative action training to advance policies that increase equitable access to nature. Deadline: **July 31**.

[Chrysalis Fund Grant](#) fosters the future of entomology through grants to K-12 teachers and other educators who use insects in the classroom to get kids excited about science. Fund your bug-themed project or program. Grant applications are due **August 1**.

[Great Lakes Watershed Education and Training Program](#) (search for Grant Opportunity Number NOAA-NOS-ONMS-2021-2006522). The National Oceanic and Atmosphere Administration, funded by the Great Lakes Restoration Initiative is offering a grant for eligible K-12 institutions within the Great Lakes Watershed. This grant will go towards the creation and enhancement of environmental education programs. Deadline: **August 21**.

[Save the Snakes Grants](#)-Our small grants enable individuals and organizations to conduct snake conservation efforts and mitigate human-snake conflict around the world. Before you take the time to fill out our application, please read our [Funding Guidelines](#) to make sure you and your project qualify for a grant from us. Deadline: **August 31**.

[Hershey Heartwarming Project Action Grants](#) - Youth ages 13-17 in the U.S. and Canada can apply for a \$250 grant. The Hershey Heartwarming Project Action Grants help schools and youth groups in their effort to increase connection, emotional and mental well-being and empathy in the community. Deadline: **December 31**.

[The Connect-Kids-to-Parks Field Trip Grant Program](#) (Connect Kids) is designed to connect students in New York State with nature and history. Each grant provides reimbursement of up to \$40 per student (and \$80 for Special Education students) for field trips to state and federal parks, forests, historic sites, fish hatcheries and other outdoor recreation areas. Deadline: **Rolling**.

[The Pollination Project Grants](#) support organizations/groups that do not have any paid staff with initial grants of up to \$1,000. Successful grantees become eligible for larger impact grants of up to \$5,000 and other support. One grant is awarded every day. Deadline: **Rolling**

[The Kars4Kids Small Grant Program](#) is dedicated to supporting education, mentoring, and youth development programs around the country that help children develop into productive members of their community. Grants typically range from \$500-\$2,000. Deadline: **Rolling**.

[Residential Curbside Recycling Cart Grant Program Request For Proposals](#)- to advance recycling in communities by offering financial and technical assistance to support the implementation of cartbased curbside recycling. Deadline: **Rolling**.

[H2O for Life Mini-Grants](#) provide \$250-\$500 mini-grants for schools to organize projects that educate youth about the global water crisis and help them take action to provide water, sanitation and hygiene education (WASH) for global partner schools. **Deadline: Rolling**

[The Karma for Cara Foundation](#) is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. **Deadline: Rolling**.

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. Conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. **Deadline: Rolling**.

[Food Waste Grants](#) - will provide reimbursement to businesses that generate over one ton of food waste per week to offset cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. Eligible projects must reduce and/or divert wasted food at a New York State business including, but not limited to, supermarkets, restaurants, and hospitals. Monies will help food scrap generators implement food waste reduction recommendations, purchase capital equipment used in food donation, and create, improve, and expand diversion efforts to on and off-site compost and anaerobic digestion facilities. Deadline: **Rolling**.

[Project Produce: Fruit and Veggie Grants for Schools](#)-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The \$2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

[Wells Fargo Clean Technology and Innovation Grant Program](#) funds projects and programs related to research and development for new and emerging clean technologies by working with universities, colleges, research institutes and laboratories as well as entrepreneur incubator, accelerator and business plan competitions. If you would like to submit a topic for consideration provide a brief description (150 words or less).

[Industrial Hemp Processing Grant Fund](#)-New York has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization. Grants may provide a minimum of \$50,000 and a maximum of \$500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

[Toyota Every Day Capacity Building Grants](#)- Up to \$5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long- term sustainability of the organization. Deadlines: **April 23 and other dates later in the year.**

[Cornell Douglas Foundation](#)- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. **Deadline: Rolling.**

[Youth Pollinator Gardens Grant](#)- up to \$200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. To apply for a grant, complete an NGC Grant Application, provide detailed information about the project, and submit your request to the NGC Youth Committee Chairman for approval.

[Saving Species](#)- We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. **Deadline: Rolling.**

[VolunTEEN Nation International Service Project Grants](#)- Students (ages 13-22) from the US going abroad to volunteer or study in a developing country are encouraged to apply for an international service-learning mini-grant. Grants are for up to \$300 to create a service project in a developing country while you are visiting that country. **Deadline: Rolling.**

[KEEN Effect](#) is committed to inspiring responsible outdoor participation to help preserve the places we all play. Through the KEEN Effect, \$10,000 grants are awarded to nonprofit organizations around the world who are dedicated to responsible outdoor participation. Projects must increase responsible outdoor participation as a way to work towards building a strong community. **Deadline: Ongoing.**

[Everyday Young Hero Award](#)-Everyday Young Heroes are young people, ages 5-25, who are improving their communities through service to others and making significant progress in achieving the UN's Sustainable Development Goals (SDGs). Each week, YSA selects one young person to receive this honor and receive \$250 grants to continue and expand their project. **Deadline: Rolling**

[The Fruit Tree Planting Foundation](#) is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTPF programs strategically donate orchards where the harvest will best serve communities for generations. **Deadline: Rolling.**

[Cedar Tree Foundation](#)- Letters of Inquiry Accepted at Any Time. Areas: Environmental Education, Environmental Health, Sustainable Agriculture.

[Doris Duke Environment Program Grants](#)-For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. **Deadline: Rolling.**

[WalMart Community and Education Grants](#) . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over \$250. For requests under \$250, get a local donation form from your nearest Walmart at the customer service desk.

[Environmental Research and Education Foundation](#). Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

[Toshiba America Foundation](#). Rolling deadline. Grades 6-12 Teachers. Under \$5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. **Deadline for grants over \$5,000 is August 1.**

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)- awards grants of \$750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. **Rolling deadlines.**

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. Grants are available for \$500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. **Rolling deadline.**

[Niagara Falls National Heritage Area](#) supports important projects and programs throughout the National Heritage Area with the long- term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the [Niagara Falls National Heritage Area Management Plan](#).

[World We Want Foundation](#) is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to \$5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. Application deadline: **Rolling.**

[The Coca-Cola Foundation](#) partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. **Rolling deadlines.**

[Kresge Foundation's Healthy Environments grant program](#) seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Application deadline: **Rolling.**

[Cisco Global Impact Cash Grants](#) support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of services. Take the [Eligibility Quiz](#) to see if you can apply.

[Technical Assistance Grant Information](#)-The New York State Department of Environmental Conservation (DEC) is continuously accepting applications for Technical Assistance Grants (TAGs). TAGs are a citizen participation tool available to eligible community groups to increase public awareness and understanding of remedial activities taking place in their community. Eligible community groups may apply to receive grants for up to \$50,000 per site.

[Home Depot Community Impact Grants](#)-Grants, up to \$5,000, are available to non-profit organizations and tax-exempt public service agencies in the U.S. that are using the power of volunteers to improve the physical health of their community. Grants are given in the form of The Home Depot gift cards for the purchase of tools, materials, or services.

[Shell Foundation Grant](#)—Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling.**

[Fluor Foundation Grants](#)—Nonprofits and academic institutions. Projects promoting responsible stewardship of the environment and supports organizations that protect natural resources and habits through conservation, restoration and beautification, and environmental education. Deadline: **Rolling.**

[Disney Conservation Fund: Rapid Response Grants](#)—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling.**

Employment and Internship Opportunities

[Aquarist 1 with Aquarium of Niagara](#)- primary objective and responsibility is to function in primary and supportive roles in all animal care and husbandry including diet preparation, facility/habitat maintenance, accurate record keeping, and animal observations. Deadline: **July 10.**

[Organizing Director](#)-PUSH Buffalo. Will supervise and manage those within the Organizing Department, which includes Housing, Climate Justice and Field Organizing, Data and Logistics Coordinator, Tenant Advocacy, Grant Street Neighborhood Center staff and Street Team and Youth Action team staff in order to build power for a Just Transition. The Director of Organizing will develop, utilize, and evaluate a variety of education and base building tools to build critical consciousness and core competencies of PUSH staff, members and stakeholders that enable them to meaningfully engage in PUSH issue campaigns, programs, and projects.

Habitat Management and Restoration Assistant, Private Landowner-A private landowner in southern Chautauqua County is looking for an Assistant to help in restoring 40 plus acres of land. Goals for summer 2020 include removing invasive species such as honeysuckle and multi-flora rose, and enhancing natives in the 5 acres closest to the home. Work can begin immediately, with between 250-350 hours during June, July and August. Hours are flexible, but the Assistant will be expected to have punctual, excellent attendance once the schedule has been set. Pay between \$11.80 to \$15.00 based on experience. The successful applicant will be a self-starter, able to lift 50 pounds, interested in learning about native versus non-native plants and willing to undertake considerable physical exertion, while working in a safe manner. Ability to work independently is a must. To apply, e-mail a letter expressing why you are interested, a resume and 3 references to lundinruth@gmail.com

[Community Engagement Specialist–Americorps VISTA](#)-WNY Land Conservancy partner. The Community Engagement Specialist, which is affiliated with the AmeriCorps VISTA program, reports directly to the Deputy Executive Director. The overall goal of the Community Engagement Specialist is to support an overarching community conservation strategy around the Riverline project including the implementation of community outreach and programming, environmental education, and stewardship activities in the context of the Concept and Schematic Design phase of work.

[LISC WNY Program Assistant - Operations - Part Time](#)

[LISC WNY Program Officer - Housing - Full Time](#)

[Aquarium of Niagara Internships](#)-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

[Clean Air Coalition Internships](#)-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. All internships include some operations and administrative work.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility.

[ASHA Animal Sanctuary Internships](#)- Seeking individuals for administrative, development, visitor programs and animal care positions.

[Buffalo & Erie County Botanical Gardens Internships](#)-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

[EquiStar Intern](#) will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions. She/he will have the opportunity to assist with planning and delivering the therapeutic riding programming along with learning the day-to-day responsibilities of operating a stable and caring for horses.

Citizen Science

[Earth Challenge 2020](#)

[Bumblebee Watch](#)

[Hemlock and HWA Hunters](#)-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu or info@nyshemlockinitiative.info.

[EPA Citizen Science Database](#)-offers a searchable site for ways the public and EPA can partner to collect environmental information.

[Tree Pictures for NASA Data Verification](#)- NASA would like you to take a picture of a tree, please. The space agency's ICESat-2 satellite estimates the height of trees from space, and NASA has created a new tool for citizen scientists that can help check those measurements from the ground. All it takes is a smartphone, app, an optional tape measure, and a tree.

[Other Citizen Science Programs](#)

Upcoming Community Activities:

****Many in-person scheduled events for July have been canceled or may be announced as NY moves into the next phase. Updates for any new events will be posted to www.daemen.edu/enviro-news.**

Wednesday, July 1

GBNRTC Monthly Meeting-9:30AM, Join Zoom Meeting:

<https://us02web.zoom.us/j/88904706114?pwd=WjJEOGtuOHRBUVhpMHBuL2kxR0NSQT09>, Password: 7890,
Or By Phone: +1 (929) 205 6099, Password: 7890.

What's in the Water? Watershed Threat in a Changing Climate- The WNY Youth Climate Action Summit will have their next workshop at 5:30PM via [Facebook Live](#). All workshops are recorded and can be found on our Facebook Live or our [website](#) as well. Presenter Daniel Mlodozienec – Educator at Reinstein Woods Nature Center. Whether for recreation, relaxation, or basic biological needs, water is something we often take for granted. Especially the unique aquatic environments that surround the Great Lakes. Like the rest of the world, this unique system is threatened by climate change. In this presentation learn what threats our Great Lakes and WNY watersheds face in a changing climate, and how you can help the aquatic systems that we love and need.

"Science at the Cutting Edge of Global Environmental Change and Health"-Global Environmental Health Day presentations from 10am to 12:15pm, 1 to 3pm. Global Environmental Health (GEH) research addresses pressing environmental health problems and aims to improve the lives of the most vulnerable populations, both in the United States and around the world. This year's speakers will emphasize climate and other global environmental changes and their associated health impacts. [Register](#) .

Lane Positioning: An Educational Webinar-Free, 1pm. Where should you ride? What rights do you have? Is a goat in your path a good excuse to take the lane? We'll answer all these questions and more in this webinar about lane positioning and the fundamentals of traffic law. Register [here](#). The webinar is part of our Together, We Ride, campaign, focusing on encouraging safe interactions between all road users. Funded by the National Highway Traffic Safety Administration with a grant from the New York State Governor's Traffic Safety Committee.

Thursday, July 2

"Pub" talk on Science Topics-7:30pm every other Thursday online. Different topic each session. This week- Karin Kirk, Yale Climate Connections. Few things are more alluring than former climate skeptics, contrarians, or deniers who reverse course and ultimately come to accept the science of anthropogenic climate change. This presentation will illuminate the thought process of 8 people who changed their minds about climate change. Seven people were skeptical about climate change and came to accept the science, while one person went in the opposite direction. Learn what prompted them to change their minds. Karin Kirk is a geologist and freelance science writer. She's a contributing writer for Yale Climate Connections where she delves into public attitudes about climate and energy. [Register](#).

Don't Get Ticked NY- 7 to 8pm. Join the New York State Integrated Pest Management Program's Joelle Lampman in this free, online presentation as she talks about the different ticks in our area and their biology, the diseases they carry, and how to protect yourself and others from being bitten. Please [register in advance](#).

Real-life Lessons for Trucking's Clean Future-1:00-2:00pm ET (10:00-11:00 am PT) | 60 minutes. Webinar with panel. Having flown under the radar for decades, the trucking industry more than proved its value during the COVID-19 crisis as hospital, grocery and e-commerce deliveries became critical. With more attention on the industry and its current practices, we want to focus on its future as well. Trucking is ready for a transition to electric vehicles, and that transition is primed to start in the urban and regional-haul segments that's been so essential for us during the pandemic. This webcast will dive into trucking's role in our supply chain, how it has evolved since March, and how the industry will evolve into its green future. <https://www.greenbiz.com/webcast/real-life-lessons-truckings-clean-future>

Preservation 101- 6:00 pm (EST), learn about historic preservation. Webinar is free and open to the public to attend (suggested donation of \$10 is appreciated). <https://preservationbuffaloniagara.org/events/virtual-summer-school-preservation-101/> to register.

"Gosh, What's This Gonna Cost Anyway?" – Webinar at 2pm. Drake Ambrosino with Ty Allen, AIA, and Eric Fraser talk about the many factors that impact custom home cost, and how to begin to plan for budget talks with your design + build partner. [Register here or view any past webinar](#)—they're FREE!

Tuesday, July 7

Horticulture Series VII: Orchids and Air Plants -online class from 6 to 7:30pm with the Botanical Gardens. David Clark will be teaching these classes from his home in order to maintain physical distancing practices. Handouts will be available for you to download. You will need internet access and a device (computer, smart phone, tablet, etc.) with speakers and that can connect to the internet. The link will be sent to registered participants a few days prior to each class. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. *Horticulture I and II are not a prerequisite. Pre-registration is required.* Garden Members \$80/series, \$20/class, General Public \$100/series, \$25/class. [Register](#).

Wednesday, July 8

Deer Impacts on Vegetation-1 to 2pm. Join Cornell Cooperative Extension of Columbia and Greene Counties for this exciting training to learn about how deer might be impacting your native plants, in both forests and gardens. Deer populations can reduce native plant regeneration and presence while creating opportunities for invasive plants to gain ground and thrive.. During this training, participants will also learn about a monitoring activity called AVID- Assessing Vegetation Impacts from Deer. You can become a citizen science and learn how to use native trees and wildflowers to monitor your land. Please [register](#) in advance.

Thursday, July 9

Perennials for Western New York-6 to 7:30pm. Learn how to plan, plant and maintain a perennial flower garden that provides blooms and other interest throughout the year. Tips on variety selection, planting and maintenance requirements such as staking, dividing and pest control will be covered. [Registration details here](#).

English Plantswomen- 7 to 8pm webinar. Learn about some of the visionaries in garden design from Gertrude Jekyll to Beth Chatto. These inspiring British women contributed so much to gardening! [Register](#). \$12.

Urban Forestry Carbon Offset Protocol: Developing Projects through the Offset Network-2 to 3pm. The Offset Network, now hosted by Second Nature, presents a new pathway for colleges and universities to develop carbon offset methodologies. New methodologies can undergo a technical expert review process to obtain approval for use through the Offset Network. Learn about this new pathway, and the first protocol to complete the technical review process- Duke University's Urban Forestry Protocol. [<register>](#)

July Green Drinks-4:30 PM. Network with fellow environmentally minded individuals for a social hour. Join Zoom Meeting <https://us04web.zoom.us/j/75319440109?pwd=d2E3bU96MUgvWHgrc2ROV2ZUSDgwUT09>
Password: greendrink

Identify Birds by Sound with BirdNET-Noon webinar. Baffled by a bird sound? Learn how to use [BirdNET](#) to identify your mystery birds. Join Lab experts online for a live Q&A and webinar with BirdNET developer and postdoctoral fellow in the Center for Conservation Bioacoustics, Stefan Kahl. Stefan will explain how computers learn to recognize birds from sounds and how apps such as BirdNET can help monitor and protect birds. Register for this free [BirdNET Webinar](#).

Friday, July 10

Webinar: Eavesdropping on Animals: Autonomous Acoustic Wildlife Surveys-2pm. Autonomous sensing methods are transforming the scale and resolution of ecological data collection. This webinar will introduce the principles of conducting these autonomous acoustic surveys, and discuss how autonomous recorders can be used to survey animals in a variety of challenging scenarios. [register](#)

Saturday, July 11

Lockport in Bloom Garden Tour- 10am to 4pm and Twilight Tour from 7 to 10 p.m. Pick up maps at the Kenan Center, 433 Locust St., Lockport. The Lockport In Bloom Garden walk is a free, self-guided, walking – driving tour featuring more than 40 historic homes and gardens throughout the City of Lockport. Also included are City Parks containing well-maintained flowerbeds and trees. [Info](#).

Town of Amherst Garden Walk-10am to 4pm, is a free event of resident gardens and is open for public viewing. Garden descriptions and locations will be available a week before the event at local Amherst garden centers. [Info](#).

Samuel P. Capen Garden Walk-10 a.m. to 4 p.m. Capen by Night will be held from 8 to 11 p.m. 2020 marks the 19th year of the Samuel P. Capen Garden Walk, a free self-guided tour of more than 70 private gardens and carefully nurtured public spaces. The Capen Garden Walk is designed to encourage neighborhood beautification, collaboration and build strong communities. [Info](#).

Draves Arboretum Annual Tour-1:30 to 3:30pm. 1815 Sharrick Rd., Darien. [Tickets](#). \$12.

Sunday, July 12

Lockport in Bloom Garden Tour- 10am to 4pm. Pick up maps at the Kenan Center, 433 Locust St., Lockport. The Lockport In Bloom Garden walk is a free, self-guided, walking – driving tour featuring more than 40 historic homes and gardens throughout the City of Lockport. Also included are City Parks containing well-maintained flowerbeds and trees. [Info](#).

Ornithological Field Trip: Beaver Meadow Audubon Center-1610 Welch Road, Java Center, NY 14082 ([map](#)). Leader - Tom Kerr, Audubon Staff Naturalist, tkerr.buffaloudubon@gmail.com, (716) 310-0380. Meet at 8AM at the Visitor Center. This will be a 1/2 day trip wrapping up around noon. This half-day trip takes us meandering the grounds of Beaver Meadow Audubon Center in Java Center, NY. Tom will guide our group using his superlative knowledge of the nesting birds of this preserve. Species we will be looking for include nesting Blue-winged, Hooded and Mourning Warblers and possibly Alder Flycatcher. Maintained trails offer us views of the glacial kettle ponds, meadows and marsh boardwalk where Virginia Rails have raised young in past years. The visitor center has a fantastic gift shop so please support this refuge with your purchase. It is recommended to bring water and a snack/lunch.

Allenberg Bog Walk- A guided tour of a Buffalo Audubon property in Little Valley. Register with Buffalo Audubon for meeting location. 9am-2pm, wear shoes that can get wet and bring water, hat and snack. Contact lauren@buffaloudubon.org 585-457-3228

Monday, July 13

What Are These “Weeds”?-4 to 5pm webinar. Join RTPI conservation staff to learn how to differentiate Chautauqua Lake’s beneficial, native aquatic plant species from the invasive, problematic species, and learn what we as individuals and as communities can do to prevent the arrival and spread of new aquatic invasive species. Please contact Jonathan Townsend via email or phone to register; jtownsend@rtpi.org, 716-665-2473 x231.

Tuesday, July 14

Natural Resource Projects- 2 to 3pm. Learn how Cortland County Soil & Water Conservation District is mitigating floods and restoring fish passage in partnership with towns. The Onondaga Environmental Institute will discuss their successful community-based partnership to restore native habitats & species, including brook trout, and uses of the Ley Creek watershed. Presenters: Amanda Barber, Cortland County SWCD; Dr. Edward Michalenko, OEI. [register](#)

HCP 70 Horticulture Series VII: Summer Flower Bulbs -online class from 6 to 7:30pm with the Botanical Gardens. David Clark will be teaching these classes from his home in order to maintain physical distancing practices. Handouts will be available for you to download, or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. *Horticulture I and II are not a prerequisite. Pre-registration is required.* Garden Members \$80/series, \$20/class, General Public \$100/series, \$25/class. [Register.](#)

Wednesday, July 15

Engaging in Cross-Sector Climate Action With Local And State/Provincial Government Officials-2 to 3:15pm. This webinar will involve participants in a conversation about how universities can engage local and state/provincial government officials in cross-sector climate action, drawing on the experiences of several of Second Nature’s University Climate Change Coalition (UC3) members. More Info & to Register <https://register.gotowebinar.com/register/2872484430714098187>

Adapting and Collaborating to Grow the Farm- 6 to 7:30pm. In this webinar you’ll learn how Main Street Farms grew from one to 60 acres, scaling up with land, infrastructure, and equipment. It will include a tour of the fields, greenhouses, high tunnels, pack shed, and vegetable warehouse. [Register.](#)

Safe Cycling-1pm. Webinar. Want to become a more informed, confident bicyclist? Join us for this webinar which covers the classroom portion of our Smart Cycling class, covering all of the basics of bikes, bike safety, riding in traffic and more! Stay tuned for announcements regarding the on-bike portion of the class, ideally happening later this year. Typical cost for this class is \$40. We are offering this webinar by donation, with a suggested donation of \$20. We understand that we are living in challenging times, so if you can’t afford it, we still want you to be a smarter cyclist. If you can afford to donate, we sincerely appreciate it. Register [here](#).

Starry Stonewort Collaborative Webinar-10:00am – 12:00pm. Join the Starry Stonewort Collaborative and Dr. Dan Larkin, Assistant Professor and Extension Specialist, Minnesota Aquatic Invasive Species Research Center (MAISRC), University of Minnesota as he discusses a meta-analysis on control techniques applied in Minnesota, Wisconsin and Indiana. Registration to follow. Contact wnyprism@gmail.com. Free.

Invasive Forest Pests in the U.S.: Impacts and Policy Solutions-1 to 2pm. Webinar presented by: Gary Lovett, Cary Institute of Ecosystem Science. Invasive forest pests and pathogens, imported as an unwanted byproduct of international trade, are one of the most severe and underappreciated threats to the health of US forests. This webinar will describe the extent of the problem, summarize the ecological and economic impacts of invasive pests in the US, and propose policy solutions to prevent new pests from entering the country. Please [register in advance](#).

Thursday, July 16

Gardening with Native Plants: Learn From our Mistakes and our Successes!- 1:00 pm EDT (1-hour duration) Xerces Webinars Series – Gardening for Invertebrates. Gardeners can contribute significantly to pollinator conservation efforts by growing native plants in their yards and communities. Join Xerces biologists as they share some of their gardening pitfalls and the lessons they've learned from them. [Click here](#) for more information and to register. This webinar will be recorded and available on our [YouTube channel](#).

"Pub" talk on Science Topics-7:30pm online every other Thursday. Different topic each session. Open to all- register for the link at: [register](#). “Dazzling, Deadly, and Diverse: Cone Snails and Their Fossil Record“ by Jonathan R. Hendricks, Paleontological Research Institution. Cone snails are one of the most diverse groups of marine animals alive today and their fossil record extends back over 50 million years. Their beautifully patterned shells have attracted the attention of naturalists and artists for hundreds of years. Today, their powerful venoms are being used to create novel drugs to treat varied human ailments. This presentation will provide an introduction to these remarkable animals and their rich fossil record.

Landmarks 101-6:00 pm (EST), learn about landmarks and preservation. Webinar is free and open to the public to attend (suggested donation of \$10 is appreciated). <https://preservationbuffaloniagara.org/events/virtual-summer-school-landmarks-101/> to register.

Gardening for Butterflies-7 to 8pm webinar by Buffalo & Erie County Botanical Gardens. Learn how to identify different butterfly species (and their caterpillars) you might see here in Western New York, what plants will best attract these beauties and get inspired with garden design ideas. \$12. [Register](#).

Friday, July 17

Virtual Urban Walk and Talk: Dealing with Invasive Species- 1:00 pm to 2:45 pm. The City of Watertown holds a unique urban arboretum that provides immense beauty and many benefits for people and nature. This webinar will provide an overview of invasive tree pests threatening the arboretum, and how the City is planning to manage trees that will be impacted by these pests. A virtual tour of the downtown Watertown Arboretum will be given through a live demonstration of an interactive online story-map. Visitors of the downtown arboretum can access this story-map on their mobile devices and receive a guided tour of the trees and other information. Webinar participants will learn how to recognize signs of invasive tree pest infestations and be invited to volunteer to adopt a street tree to monitor the overall health of street trees in the City. REGISTER: https://tnc.zoom.us/meeting/register/tJMvc-6sqDguGtM_tSd2f6B6mTAO1_f_hkqN

City of Tonawanda Garden Walk: Friday Night Light- 9pm to 11 p.m. Over 30 beautiful gardens open for your viewing pleasure. The City of Tonawanda Garden Walk features water gardens, rock gardens, koi ponds, and breathtaking arrangements in meditation gardens. For more information, contact (716) 957-4177. [Info](#).

Saturday, July 18

City of Tonawanda Garden Walk- 10 a.m. to 4 p.m. Over 30 beautiful gardens open for your viewing pleasure. The City of Tonawanda Garden Walk features water gardens, rock gardens, koi ponds, and breathtaking arrangements in meditation gardens. For more information, contact (716) 957-4177. [Info](#).

East Side Garden Walk- 10 a.m. to 3 p.m. There will be sidewalk-style viewing and social distancing is encouraged. Gardening on Buffalo's East Side has a unique ambience often with an organic, natural look that reflects the lifestyle of many of its residents. There's a wide range of gardens. Sure, if you're looking for flowers, you'll find lots of those. But we also have City Honor's largest outdoor classroom garden, urban farms that support local families, and a Buddhist Center Garden with a three-story statue sent from Vietnam. What makes them all special is the gardeners. Take time to talk with them. The tour is free and self-guided. [Info](#).

Northwest Buffalo Tour of Gardens- 10 a.m. to 4 p.m. This free self-guided tour highlights groups of gardens within five very distinct parts of Northwest Buffalo. Visit one or two areas or all five and see a wide variety of gardening styles. These area urban gardens are full of interesting features and tended with loving care. You will see a wide variety of gardens and parks, historic homes and share time with our urban gardeners. Experience the wonderful sense of historic pride and community as you visit these gardens. in a party atmosphere. Donation Gratefully accepted; proceeds go to assist in maintaining four community gardens. [Info.](#)

Hive Inspection Class: In Apiary- 5 to 6pm. You can read all the books, take all of the classes, and watch all of the YouTube videos, but there's nothing quite like spending some time checking out a beehive with someone who can explain exactly what you're looking at in real life. Join us and a small group of other new beekeepers as we inspect a hive in our apiary. We'll share our tips for good hive inspection etiquette, and talk about what it is we're looking for (and at!) when we open up our hives. Masterson's Garden Center, East Aurora. [Register.](#)

Sunday, July 19

South Buffalo Alive Garden Walk-9 a.m. to 3:30 p.m. Pick up maps in Tim Russert's Children's Garden, 2002 South Park Ave., Buffalo. Approximately 60 gardens will be featured in South Buffalo Alive's Garden Walk Tour. Many front-only and many more with water falls, train gardens, neighbors sharing gardens. Follow the Irish Heritage Trail, view the carving of Chauncy Olcott, writer of Irish ballads, in front of the Buffalo Irish Center and a carving of Red Jacket at the corner of Cazenovia and Seneca Streets. Stop to see the garden at the Mother Catherine McAuley, founder of the Mercy Order, located in the "quiet Grotto" on Choate Ave. next to Mercy Hospital. Donation \$2. [Info.](#)

Monday, July 20

Universities Making a Difference by Integrating Climate Action and Sustainability Across the Curriculum- 3 to 4:15pm. The social contract between universities and the societies they serve is changing. It used to be enough for universities to do research and educate students. Increasingly, however, we are being asked to engage tangibly and actively with the problems faced by the societies which fund us. This webinar will: explore those challenges and opportunities facing universities, outline an agenda for transforming the campus into a living laboratory agent of change in the community, and involve participants in a conversation about how universities can integrate climate action across the college or university curriculum. More Info & to Register <<https://register.gotowebinar.com/register/1090837988088938763>

Trees are Essential Webinar with Dr. Ming Kuo: Growing Human Health and Equity-1:00 PM - 2:30 PM EDT. Studies have shown that higher levels of tree cover are associated with beneficial health outcomes. Dr. Kuo, will present the result of research that sought to determine if residential green cover was associated with direct health care costs. [Learn more.](#)

Tuesday, July 21

HCP 70 Horticulture Series VII: Night Visions-Evening Gardens -online class from 6 to 7:30pm with the Botanical Gardens. David Clark will be teaching these classes from his home in order to maintain physical distancing practices. Handouts will be available for you to download. The link will be sent to registered participants a few days prior to each class. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. *Horticulture I and II are not a prerequisite. Pre-registration is required.* Garden Members \$80/series, \$20/class, General Public \$100/series, \$25/class. [Register.](#)

Wednesday, July 22

The Collaborative: A One-Stop Shop for Electrifying Your Fleet – Webinar from 3-4pm. This webinar will engage participants in a conversation about how colleges and universities can become involved in the Climate Mayors EV Purchasing Collaborative – an unprecedented collaborative and partnership between Climate Mayors, the Electrification Coalition, and Sourcewell aimed at accelerating the transition to electric vehicle fleets by removing barriers to purchase. <https://register.gotowebinar.com/register/3354061727591373067>

Tuesday, July 28

Sustainability & Resiliency Projects- 2 to 3pm webinar. Learn how Genesee County's Green Genesee/Smart Genesee initiative is planning for the future using an innovative, ecosystem-based land use planning approach. The NYS Department of State and the Science and Resilience Institute at Jamaica Bay/NY Sea Grant will review the new NYS nature-based shoreline monitoring protocols and discuss related efforts to promote coastal health and resiliency. Presenters: Sheila Hess, CC Environment & Planning; Carolyn Fraioli, NYS Department of State; Katie Graziano, Science and Resilience Institute at Jamaica Bay/NY Sea Grant. [register](#)

HCP 70 Horticulture Series VII: Controlling Plants-Trellises and More -online class from 6 to 7:30pm with the Botanical Gardens. David Clark will be teaching these classes from his home in order to maintain physical distancing practices. Handouts will be available for you to download. You will need internet access and a device (computer, smart phone, tablet, etc.) with speakers and that can connect to the internet. The link will be sent to registered participants a few days prior to each class. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. *Horticulture I and II are not a prerequisite. Pre-registration is required.* Garden Members \$80/series, \$20/class, General Public \$100/series, \$25/class. [Register.](#)

Thursday, July 30

"Pub" talk on Science Topics-7:30pm online every other Thursday. Different topic each session. [Register.](#)
“Demonstrating the need for equity and inclusion in the geosciences through increasing access to authentic paleontological data and classic field sites” by Lisa D. White, The University of California Museum of Paleontology at Berkeley. Virtual fieldwork experiences (VFEs) provide novel ways to engage audiences in the physical features of an area through the eyes of geoscientist. As VFEs, digital fossil databases, and other distance learning resources expand and potentially draw more diverse and inclusive audiences, questions remain as to their effectiveness. Join Dr. Lisa White, Director of Education and Outreach at the UC Museum of Paleontology, for a presentation and discussion on the challenges of transferring what we "see" and choose to emphasize as trained scientists and the opportunities to engage and inspire broader communities to share their own observations and drive curiosity.

Saturday, August 1

Buffalo Astronomical Association Viewing- Pending due to restrictions. 7:30-11pm at Beaver Meadow Nature Center. Check <https://buffaloastronomy.com/events> for updates and guidelines.

Tips for the Environment:

Can you go plastic-free?- This July, join millions of people around the world by pledging to reduce your reliance on single-use plastic items. Learn more at: <https://www.plasticfreejuly.org/>

Take a trash bag and go on a walk for a spring cleanup and explore Natural Places in WNY -download a free guide to download of places [here](#)

Support Local Farmers-Visit farmers' markets, u-pick sites, consider a CSA share. Links below to resources to find them.

Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

Aquarium of Niagara- Scuba-certified volunteers needed to clean the sea lion exhibit (without animals) once monthly. Other opportunities exist for education, exhibit maintenance and other tasks.

AWARE (Association for Wild Animal Rehabilitation and Education) - Volunteers needed for fundraising, grant writing, capturing and transporting animals to us or the veterinarians, public relations, construction of cages, begging for donations of materials and food (for the animals, not us) and for helping at our educational programs.

Buffalo Audubon- Volunteers wanted for Beaver Meadow Audubon Center, and For the Birds Niagara! Help with tour leading, office work, programming, grounds keeping and general maintenance. Every Wednesday 10am-2pm is Volunteer Day at Beaver Meadow. No need to register, but bring a lunch. Call (800) 377-1520 for details.

Buffalo Carshare- This new non-profit has brought car-sharing to Buffalo. Volunteers are needed for office help and promotion. Contact them at <http://www.buffalocarshare.org/volunteer.html>.

Buffalo Central Terminal- Many different opportunities for people interested in helping to preserve this unique building- people with basic carpentry and repair skills, and those with plumbing or electrical skills, to work inside the building, as well as those interested in staffing events, assisting with fundraising, marketing, operating our gift shop, and other tasks. For info, check <http://buffalocentralterminal.org/you-can-help/volunteer-with-the-ctrc/>.

Buffalo & Erie County Botanical Gardens- Docents needed. Training is provided. Tours and hands-on lessons are scheduled in advance, so you may sign up for those that fit your schedule. Other opportunities to help are available too. For info, contact khammer@buffalogardens.com

Buffalo Junior Solar Sprint- If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the Leadership committee, please contact jssbuffalo@yahoo.com.

Buffalo Museum of Science has volunteer and internship opportunities available for teens, college students and adults. For information, contact Monika McFoy, Director of Community Programs, at 896-5200, ext. 343.

Buffalo Niagara Waterkeeper- <https://bnwaterkeeper.org/programs/volunteer/> for opportunities.

Buffalo Olmsted Parks Conservancy will assign volunteers to specific clean up and planting projects throughout the summer. Learn more at bfloparks.org/volunteer

Buffalo ReUse can use volunteers for many things. To help, contact them at volunteer@buffaloreuse.org.

Clean Air Coalition of WNY- Help with mailings, phone calls, canvassing and Photovoice (documenting environmental challenges). To help, contact at 852-3813 or www.cacwny.org.

Excalibur, a private, non-profit all volunteer, charitable organization seeks competent anglers and captains to help provide free boating and fishing opportunities on Lake Erie for disabled and disadvantaged persons using the organizations new vessel. Contact Director Jim Catalano at jim@excaliburl.org or visit <http://excaliburl.org>

Garden Walk Buffalo helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com.

Global Justice Ecology Project- volunteers needed for mailing and office support. <https://globaljusticeecology.org/>

Go Bike Buffalo- If you're interested or want more information, info@gobikebuffalo.org

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-0740 or volunteer@habitatbuffalo.org.

Hawk Creek Wildlife Center is seeking volunteers for who would like to work with wildlife. 16 years or older. Call 716-652-8646. Email info@hawkcreek.org.

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or glight@rochester.rr.com for more information.

Junior Solar Sprint Buffalo- If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the leadership committee, please contact jssbuffalo@yahoo.com

Lead Safe Erie County needs volunteers to help paint houses and prevent lead poisoning. For those who are interested, there is also free training for Lead Safe Work Practices Certification. Service learning students, block clubs and others are welcome. Call Mary at 716-833-2929, ext. 117.

Massachusetts Avenue Project needs volunteers from the 1st week in April through October on Saturdays from 10-1 PM. <http://mass-ave.org/>

Olmsted Parks-Volunteers are needed for tree plantings, special park events, office work and mailings. Please call (716) 838-1249 x. 33 for more info on becoming an Olmsted parks volunteer.

Penn Dixie Paleontological and Outdoor Education Center- Volunteers of all ages and backgrounds are needed. Have a few hours a month to help introduce children and adults to the natural sciences? Call (716) 627-4560.

Preservation Buffalo Niagara-Interns & volunteers welcome. www.preservationbuffaloniagara.org.

Reinstein Woods Nature Preserve offers a variety of volunteer positions as well as internships for college students. For more info, call 683-5959 or visit <http://www.dec.ny.gov/education/1960.html>.

Science Firsthand needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

Slow Roll Buffalo- our volunteer squad serves in a wide variety of roles on Mondays and beyond, from planning routes and keeping the rides smooth to many forms of community outreach. Our big biking family is ever-growing - if you're looking for a fun and fulfilling way to get involved in our community on wheels, submit an [application!](#)

Tift Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. [716-825-6397](tel:716-825-6397) and tiftreservations@sciencebuff.org.

Western NY Land Conservancy- trail clearing, mailings, technical research and citizen scientist projects. <https://www.wnylc.org/>

Additional calendars with local events-

<http://www.buffalospree.com>

<http://www.exploreny.net/events.php3>

<http://www.metrowny.com/events.php>

<http://www.buffalo.edu/calendar>

<http://buffalorising.com>

<http://rochesterenvironment.com/calendar.htm>

<https://boredommd.com/>

Additional local blogs and websites-

Birds on the Niagara- <http://www.birdsontheniagarafrontier.org/>
Buffalo Niagara Gardening - <http://www.buffalo-niagaragardening.com/>
Buffalo Niagara Nature Almanac- <http://bnnatureblog.com/>
Buffalo Issues Alert- <http://groups.yahoo.com/group/BfloIssueAlerts/>
Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>
Buffalo Tours- <http://buffalotours.blogspot.com/>
Buffalo Green Fund-<http://www.buffalogreenfund.org/>
Canning Tips for Food Preservation- <http://www.motherearthnews.com>
Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>
Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>
Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>
DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>
Edible Buffalo- <http://ediblebuffalo.wordpress.com/>
Erie Cattaraugus Rail Trail- <http://www.ecatrail.org/>
Fix Buffalo- <http://fixbuffalo.blogspot.com/>
Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>
GBNRTC-<http://www.gbnrtc.org/blog/>
Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>
Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>
Learning Sustainability Campaign- <http://www.learningsustainability.com/>
Nourishing Harvest- <https://www.patreon.com/anourishingharvest>
Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>
Reuse Action-<http://reuseaction.com/blog/>
Rochester Environment- <http://www.rochesterenvironment.com/>
WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>
Outdoors Niagara- <http://www.outdoorsniagara.com/>
Environmental Tips- <http://www.globalstewards.org/ecotips.htm>
Buffalo Architecture and History- <http://www.buffaloah.com/>
Richardson-Olmsted <http://www.richardson-olmsted.com/>
Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- <http://peaceweavers.org/>
Eco-Island Nature Center- <https://www.grandislandschools.org/domain/49>
NY Sport Fishing- <http://www.fishny.com/>
Erie Canal Trailway- www.ptny.org/bikecanal
Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>
Rochester Roots-<http://www.rochesterroots.org/>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
We Love Outdoors-<http://www.weloveoutdoors.com/>
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>
Citizen Science Opportunities- [listing](#)

County/New York State Resources

Erie County GIS Mapping- <http://gis2.erie.gov/HTML5/ErieCountyNY/>
Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

Green Jobs, Internships and Opportunities

Green Jobs- <http://www.greatgreencareers.com>
UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs
Additional jobs-<https://www2.erie.gov/index.php?q=job-openings-community>

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org

www.buffaloaudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

www.yourspca.org

Education Resources

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[The Center for Ecoliteracy](#)

[Hamline's Center for Global Environmental Education \(CGEE\)](#)

[The National Science Teachers Association Learning Centers](#)

[The US Partnership for Education for Sustainable Development](#)

Grant Opportunities/Tools

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>

<http://assembly.state.ny.us/gan/>

www.grantstation.com

www.grantwatch.com

www.grantsalert.com

<https://attra.ncat.org/index.php>

<https://grantsreform.ny.gov/>

Find your farmer <https://www.facebook.com/groups/893902477748081/>

Urban Farms/ Composting/Rural Community-Supported Agriculture/Sustainable Practices-

Becker Farms- <http://www.beckerfarms.com/csa>

Brewster Street Farm- <https://www.jersbuffalo.org/brewster-street-farm>

Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>

Canticle Farms-<http://www.canticlefarm.org>

Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>

Cool Greens Vertical Farm- <https://www.facebook.com/Cool-Greens-Vertical-Farms-2261876070712461/>

Crown Hill Farms-<https://www.crownhillfarm.com/>

Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>

Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>

Falkimmer Farms- <https://www.facebook.com/FalkimmerFarms/>

Farmer Pirates-<http://www.farmerpirates.com/>

Farmers and Artisans- <http://farmersandartisans.com>

Farmthisway CSA - <http://www.farmthisway.com/>

Fenton's Produce- www.fentonsproduce.com

First Light Farm and Creamery- <http://www.firstlightfarmer.com/>

Five Loaves Farm- <https://5loavesfarm.org/>

Fleckenstein Farms-<https://www.fleckensteinfarms.com/>

Free Fallen Fruit Rescue-<https://www.facebook.com/freefallenfruitrescue>

Fresh Fix -<https://www.freshfix.com/>

Goodman Farms- <https://goodmanfarms.net/>

Gormley Farms- <https://www.facebook.com/gormleyfarms>

Greater Buffalo Urban Growers-<https://www.facebook.com/greaterbuffalourbangrowers/>

Green Heron Growers- <http://www.greenherongrowers.com/>
Gregs U-Pick- <http://gregsupick.com/>
Groundwork Market Garden- <http://www.groundworkmg.com>
Healthy Living Farm- <https://www.healthylivingfarm.com>
Kindred Kreek Farms- <https://www.kindredkreek.com/>
Little Bear Farm- <http://www.littlebearfarm.harvesthand.com/>
Little Woods Farm-<https://www.littlewoodsfarmalden.com/>
McCollum Orchards- <http://mccollumorchards.com/>
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>
Native Offerings- <http://nativeofferings.com/>
Niagara Malt- www.niagaramalt.com
Plato Dale Farm- <https://platodalefarm.com/>
Porter Farms- <http://www.porterfarms.org/>
Produce Peddlers-<https://producepeddlers.com/>
The Promised Land- <http://promisedlandcsa.com/>
Providence Creek Farm- <http://www.providencecreekfarm.com/>
Roots & Wings Family Farm- <https://www.facebook.com/rootsandwingsfarm/>
Root Down- www.therootdownfarm.com
Rust Belt Harvest- <http://rustbeltharvest.org/>
Sinemus Farms- <http://www.sinemusfarms.com/>
Singer Farms Naturals-www.singerfarmnaturals.com
Teacup Farm- <http://www.teacupfarm.com/>
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
Utley Acres- <http://utleyacres.com/>
Westside Tilth Farm- <http://westsidetilth.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>
Local Meats- <http://meatsuite.com/>
NY State Fruit and Vegetable Harvest Calendar- <https://www.agriculture.ny.gov/HarvestCalendar.html>

Local Businesses with Classes and Workshops

Badding Brothers-<https://baddingbrosfarm.com/index.html>
Happy Shack Oils and More-<http://happyshackoils.com/>
Lockwood's Greenhouses-<https://weknowplants.com/>
Masterson's Nursery-<https://mastersons.net/>
Sweet Flag Herbs-<http://sweetflagherbs.com/>

Local Tourism promoting Sustainability

Buffalo Bites Food Tours- <http://www.buffalobitesfoodtours.com/>
Buffalo Tours- <http://www.preservationbuffaloniagara.org/buffalo-tours/>
Niagara Wine Trail - <http://www.niagarawinetrail.org/>

Recycling, Reuse, Disposal, Green Cleaning Options: (also check www2.erie.gov/recycling/index.php?q=node)

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot
Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>
Books- www.booksforafrica.org, www.operationpaperback.org
Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.
Bras- www.donateyourbra.com, www.brarecycling.us
Building materials- www.buffaloreuse.org
Cars- <http://www.donateacar.com/>
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill,
Hearts for the Homeless -to see what is accepted <https://www.nysar3.org/page/re-clothe-ny-78.html>
Clothing, formal/business- www.donatemyweddingdress.org/, www.careergear.org, www.dressforsuccess.org

Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's
Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>, <https://www.decluttr.com>
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking drop-offs
Construction Materials-Buffalo ReUse, Habitat for Humanity Restore
Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>,
<http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz>
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA
23237. More than 25: call 866/33-TYVEK.
Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations
Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)
Furniture-Goodwill, Salvation Army, Amvets and other charities
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>
Hazardous Household materials- <http://www.hazmanusa.com/>
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent
DePaul Society (Main St.) 882-3600,
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pharmaceuticals-dropoff sites at [map](#)
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448
Recycling A to Z - realsimple
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- <http://www.world.org/weo/recycle>
Water filters-Brita partners with preserveproducts.com/recycling
Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

Eco-volunteering with Travel:

<http://www.planetfriendly.net/learn.html>
<http://www.globalteer.org>
<http://www.ecovolunteer.org/>
<http://www.goeco.org/>
<http://www.woof.org/>
<http://www.americanhiking.org/>

Education Courses or Certificates:

Energy University Website with Schneider Electric- [Courses](#) are free
Green Classroom Professional Certificate- Online courses, info [here](#)
Solar Energy Training- <http://www.solarenergy.org/training-schedule/>
Coursera- www.coursera.org

Miscellaneous tools including videos and websites:

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>
Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>

Change Food Library <http://www.changefood.org/changefoodlibrary/>
USDA Tool Kit for Local Food [toolkit](#)
[Better Than Ed](#)-Video series with Actor Ed Begley encouraging environmentally-friendly practices.
[EJSCREEN](#) is an environmental justice mapping and screening tool.
[Local Foods, Local Places Toolkit](#) to help communities develop their own plans for setting and achieving local food and revitalization goals.
[Archived EPA Climate Change Info.](#)
www.epa.gov/climate-indicators.
[Guide to help schools reduce food waste](#)
[Tool for Sourcing Local Meat](#)
[Click here to watch the Know Your Food videos.](#)
[iMATTER Youth Movement to Spark Change](#)
[Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#)
[EWG's Guide to Healthy Cleaning.](#)
[EWG's Tap Water Database.](#)
<http://www.nebeginningfarmers.org/online-courses/> -beginning farmer online training through Cornell.
[2018 Fuel Economy Guide](#)
[Climate Hubs](#) provides information for managing risks posed by a changing climate.
[NOAA National Marine Sanctuary Webinar series](#)
[NOAA One Science Seminar Series](#)
[Green Restaurant sustainability tool](#)
[Mapping Climate Change.](#)

Links to area/state environmental/community sustainability organizations and regularly scheduled activities:

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://allegannaturepilgrimage.com/
Alliance for the Great Lakes	www.greatlakes.org
American Planning Association-WNY Section/Upstate	www.wnyapa.com
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	https://animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/

Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloudubon.org
Buffalo Blueway	https://buffaloblueway.com/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	https://www.buffaloinbloom.com/
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Heritage Village	http://bnhv.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	https://buffalo-orienteeing.org/
Buffalo Ornithological Society	https://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/

Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizens for Regional Transit	www.citizenstransit.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	https://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.coalitionpositive.org/
Community Action Organization of Erie County	http://www.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://cattaraugus.cce.cornell.edu/
Cornell Cooperative Extension for Chautauqua County	http://chautauqua.cce.cornell.edu
Cornell Cooperative Extension for Erie County	http://erie.cce.cornell.edu/
Cornell Cooperative Extension for Niagara County	http://cceniagaracounty.org/
Daemen College Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Drave's Arboretum	https://www.facebook.com/dravesarboretum/

Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Advocates NY	www.eany.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 551-4410	http://www2.epa.gov/aboutepa/epa-region-2
Erie Canal Harbor Development	https://esd.ny.gov/erie-canal-harbor-development-corporation-0
Erie County Climate Action & Sustainability	http://www2.erie.gov/environment/sustainability
Erie County Conservation Society	http://eccs-club.org/
Erie County Department of Environment and Planning	http://www2.erie.gov/environment/
Erie County Environment Management Council	http://www2.erie.gov/environment/
Erie County Farm Bureau	http://www.ecfarm.com/
Erie County Federation of Sportsmen's Clubs	http://www.eriectyfsc.org/
Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb
Field and Fork Network	http://fieldandforknetwork.com/
First Hand Learning	www.firsthandlearning.org
500 Women Scientists, Buffalo Chapter	https://500womenscientistsbuffalo.wordpress.com/
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.org
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/

Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	www.gardenclubsofwny.com
Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/
Go Buffalo Niagara	http://gobuffaloniagara.org
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/
Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
Great Lakes Research Consortium	https://www.esf.edu/glrc/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	http://gwbuffalo.org/
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
Hawk Creek Wildlife Center	https://www.hawkcreek.org
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
H.O.P.E of WNY	https://www.reptilekeeperllc.com/
Housing Opportunities Made Equal	http://www.homeny.org/

Imagine Greater Buffalo Lifelong Learning	http://imagine lifelong learning.com/
Inland Ocean Coalition-Buffalo Chapter	https://inlandoceancoalition.org/whoweare/chapters/buffalo/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://auduboncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Local Initiatives Support Corporation	https://www.lisc.org/wny/
Lyceum at Silo City	https://www.lyceumsilo.city/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcw.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysaccny.org/index.php

New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
New York State Sea Grant	http://www.seagrant.sunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York Upstate Chapter, Landscape Architects	https://www.nyuasla.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafontierbotanicalsociety.org/niagarasociety/home/
Niagara River Anglers Association	www.facebook.com/Niagara-River-Anglers-1013633888708865/
Niagara River Greenway Commission	https://www.niagararivergreenway.com/
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Our Outer Harbor	http://www.ourouterharbor.org/

Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Pelion Garden	https://peliongarden.org
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
Pollinator Conservation Association	http://www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
PUSH Blue	https://www.facebook.com/PUSHBlueWNY/
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	https://levesqueinstitute.niagara.edu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/

Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Buffalo-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
Urban Land Institute	http://newyork.uli.org
Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	https://voicebuffalo.org/
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/

Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Climate Actio	http://www.wnyclimateaction.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.wnyea.org
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Food Hub	https://www.edenvalleygrowers.com/wny-foodhub
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	https://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnysc.org/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslcl/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY Raptor Center	Wnyraptor.com
WNY STEM	http://wnysystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/

West Side Ministries (716 Ministries)	http://www.westsideminstries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/
Youth Climate Summit	http://www.wnyclimateaction.org/