

Enviro-News

May, 2021

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

- Articles- including events, courses, local news, teaching resources, grants, jobs
- Upcoming Activities
- Civic Engagement and Activism
- Tips for the Environment
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Bateleur Eagles Make Their Public Debut at Wild Earth Event!

Hawk Creek Wildlife Center in East Aurora is thrilled to announce that we welcomed an incredibly special pair of birds to our conservation propagation program, *Kenya* and *Tsavo*, the Bateleur Eagles. Guests won't want to miss their first opportunity to meet these birds on exhibit at Hawk Creek's Wild Earth event **on May 1 & 2 from 11am-4pm**. We will be presenting a special keeper chat at 3 pm for guests to learn more about the plight of African birds while they meet our ambassador eagles. In addition to meeting the Bateleur Eagles, guests will also enjoy our flying bird show, wild cat chat, hawk walk, porcupine feedings and more! [Tickets](#) can be purchased online or at the gate. Masks required. Parking is FREE. Event is rain or shine.

Penn Dixie Opens on May 1-Tickets Available

Join Penn Dixie on **May 1st** for an Opening Day like no other, as we celebrate Erie County's Bicentennial with discounted fossil hunting for ALL Erie County residents! Due to capacity limits, we expect this event will sell out in advance, so get your tickets soon. For more info and registration visit <https://penndixie.org/2021/03/11/opening-day-fossil-hunting/> or check out the event page: <https://www.facebook.com/events/505045537158932>.

Make it Your Business – Harness the Power of the SDG's

The 2021 WNY Sustainable Business Roundtable Summit will introduce the framework of the United Nations Sustainable Development Goals (SDG's); what they are, why you should care and how the SDG's can create value when they are used as a strategic north star in guiding direction and sustainability work. The summit on **May 5-6** from 2 to 5pm each day features keynote talks and smaller group sessions online. This isn't just another Zoom call. [Remo](#), the digital conference platform for the 2021 Summit, is about interaction. Join us to listen, learn and exchange ideas on sustainability trends and the changes your business faces. Get inspired, more connected and better equipped to make meaningful progress during this decade of action! Registration, the keynote panels, summit program overview and confirmed speakers are available on the summit page: <https://www.wnysustainablebusiness.org/2021-summit>.

The 2021 Earth Day Rain Barrel and Compost Bin Sale: Order Now

The time has come once again to update your garden space to earth-friendlier water and fertilizer! The Erie County has various items to purchase, with options for you to select a pick up location and date. A summary of items and the sale, along with specifications for the System® rain barrel and Earth Machine™ compost bin can be found [HERE](#). Orders must be placed by **May 8** with pick up dates the week of May 19.

Massachusetts Avenue Project Seedling Sale

MAP's Annual Spring Seedling Sale begins **May 8** from 12pm to 2pm for in person or online order pickups. Shop [online](#) starting April, 29th. Be sure to check out this event on our [Facebook Page](#)!

Household Hazardous Waste Collections for 2021

The Erie County Department of Environment and Planning (ECDEP) will be holding its first free Household Hazardous collection [event](#) on **Saturday May 8, 2021**. The appointment only event will be in the Southtowns and registrations opens one month prior to the event (April 8 for May collection). The reservation system has reduced wait times at the events, but please register early as there are limited openings. There will also be a fall collection held in the City of Buffalo on October 9. More details or the option to sign up for our email notifications can be found at www.Erie.gov/recycling or you can register by calling the HHW hotline at 716-858-6800. Erie County residents have the option of using the County's "Voucher Drop-off program" which enables residents to bring up to 50lbs. of eligible hazardous waste to the Hazman facility in Tonawanda at no cost. Again, preregistration for this service is required. For more information go to erie.gov/recycling or Hazman directly at 998-8073 or call 76-858-6800.

Join RIT for its Upcoming NY Sustainable Brewery Summit

Rochester Institute of Technology's New York State Pollution Prevention Institute (NYSP2I) is hosting the NY Sustainable Brewery Summit on **May 4** and **May 11**, from 1 p.m. – 3:30 p.m. (EDT). The two-part virtual event will discuss sustainability and pollution prevention best practices the brewing industry. The summit will help participants gain a better understanding of the challenges impacting the craft and microbrewery community and offer guidance to help measurably reduce environmental impacts in their operations and enhance sustainability across the industry. The summit is ideal for brewers, brewery employees, sustainability resources supporting the craft brewery industry, and craft beverage enthusiasts. [Register now!](#)

Nature-Based Solutions for Disaster and Climate Resilience Program: Register by May 3

A unique online summer program with two three-credit courses is designed to share a global perspective to how nature offers solutions to reduce the impacts of disasters and climate change, such as forests helping to stabilize slopes, sand dunes helping to protect coastlines, and wetlands helping to buffer excess rainwater. This program will help students understand how to apply 'Nature-based Solutions' (NbS) by showing how people around the world are building resilience to disasters and climate change impacts. The course currently has 13,200+ participants from 188 countries. It is hosted on the SDG Academy/ EdX platform, which offers their own certificate, however, participants who choose to audit the course for free will receive a UNEP certificate, upon completion. The online work is done asynchronously to allow for participation by individuals in different time zones. **Apply and register by May 3** at <https://bit.ly/3gh4eCc>.

Wildlife Rehabilitation Course

Learn how to lend wildlife a helping hand and provide proper emergency treatment to injured, orphaned, and distressed wildlife living in your community. Hawk Creek's Wildlife Rehabilitation Course offered on **May 15 and 16** is an intensive eight hour learning experience taught by licensed wildlife rehabilitators sharing over 30 years of experience, up-to-date technical information, and incredible stories. Course is open to adults, (recommended) 16 years of age and older preparing to take the NYSDEC wildlife rehabilitation exam or just interested in expanding their knowledge. Pre-registration is required. \$100 per person. [LEARN MORE & REGISTER](#)

Sunnking Electronics Dropoffs

Nearly 2,000 people registered for the May 1st Williamsville e-Recycling Collection, which is the maximum capacity our teams can safely serve at the location. Due to high demand, Sunnking has added additional event dates for WNY residents to responsibly recycle their devices: [May 15th in Batavia](#) (Genesee Social Services Dept.), [July 17th in West Seneca](#) (NYDDSO), [September 18th in Niagara Falls](#) (Fashion Outlet Mall) and [October 16th in Williamsville](#) (Eastern Hills Mall). Anyone still hoping to recycle their devices can register for e-Recycling Events at sunnking.com/events or use our drop-off site locator at sunnking.com/dropoff.

Residential Brush Burning Prohibited in NY Through May 14

The annual statewide ban prohibiting residential brush burning began March 16 and will run through May 14. Conditions for wildfires are heightened in springtime, and this is when most wildfires occur. You can view DEC's [Fire Danger Maps](#) on our website to see current fire danger ratings by region. Open burning of debris is the largest single cause of spring wildfires in New York State. When temperatures are warmer and the past fall's debris and leaves dry out, wildfires can start and spread easily and be further fueled by winds and a lack of green vegetation. In 2020, DEC Forest Rangers extinguished 192 wildfires that burned a total of more than 1,122 acres. In addition, firefighters from local fire departments, many of which are volunteer, all too often have to leave their jobs and families to respond to wildfires caused by illegal debris fires. To report environmental law violations call 1-800-TIPP DEC (1-800-847-7332), or report online on DEC's website.

Participate in the 2021 Great Lakes BioBlitz!

The Great Lakes BioBlitz is an event that focuses on finding and identifying as many wild, living things as possible in the Canadian province and the U.S. states that have coastline on the Great Lakes during a specified period of time. Help record biodiversity, the variety of wild living things found in a given area. Youth 18 and under can gain recognition for their photography skill by joining our [BioBlitz photo contest!](#) Simply create a free iNaturalist account and upload your photos to your state's BioBlitz project. For added fun, participate in the weekly aquatic and terrestrial challenges! Participate until Thursday, May 20, 2021. The BioBlitz will take place in yards and other outdoor spaces all across Ontario, Minnesota, Wisconsin, Michigan, Illinois, Indiana, Ohio, Pennsylvania, and New York.

Messinger Woods Wildlife Rehabilitation Center Needs Volunteers

Messinger Woods runs a wildlife hospital during the "busy" wildlife season, approximately June 1st until the middle to end of September, depending upon the animals in our care and how long they need to remain in the caging at our hospital. If you are able to commit to 4 hours once a week during this time, we would love to have you join us this season. If you are a student, we realize that you must be back in school by the end of August and would not be available until our facility closes down for the season. Additionally, we have offered internship positions for college students and have worked with various colleges to provide verification of the experiences gained and hours worked. If your college offers credit hours for your internship experiences, we are happy to work with your advisors to provide the necessary verifications. <https://www.messingerwoods.org/volunteer-recruitment>.

Junior Beekeeping Apprenticeship Program

Have you ever wondered what goes on inside a beehive? Do you think it might be interesting to keep your own honeybee hives someday? Masterson's will offer a four-week program in July on Tuesday evenings. Space is limited; all applications must be submitted by **May 31st, 2021** in order to be considered. [Details.](#)

Williamsville Earth Day Celebration

Earth Day and Arbor Day celebrations in Williamsville will officially take place this year on **Saturday, June 5** at Island Park. The village will announce specific activities and time on their website in May.

Bike Buffalo Niagara Regional Master Plan Adopted

The Greater Buffalo Regional Transportation Council adopted the Bike Buffalo Niagara Regional Master Plan. The [plan](#) is intended to support bicycling as a safe, comfortable, and healthy form of transportation, recreation, and physical activity throughout the region. Check out their [mapping tool](#) for an easy review of proposed bike infrastructure.

WNY Shares Riverline Early Concept Designs

The Western New York Land Conservancy is fundraising for the Riverline, the proposed nature trail and greenway in downtown Buffalo. Early concept designs were recently shared at a presentation and you can view the recording [here](#). For more info on the project, visit theriverline.com.

New York State Greenway Trails Plan and Map

New York State is developing a [statewide greenway plan](#). Explore existing, proposed, and planned multi-use paths throughout the state with their [interactive map](#).

Make Cigarette Butts Part of Your Spring Cleanup

Spring is here. And what has winter left behind? Littered cigarette butts: on our streets, sidewalks, and in our parks. Besides the fact that they are ugly to look at and pollute, they are hazardous to our kids, pets, wildlife and gardens.

The fact is 766,571 metric tons of cigarette butts – the number one littered item in the world -- make their way into the environment every year. Locally, data from the Great Lakes Watershed Cleanup conducted by Ocean Conservancy indicates that more than 300,000 cigarette butts (35.3% of all items recovered) were collected from the Great Lakes in 2019. That makes them the number one littered item in these precious bodies of fresh water as well. But there's more to it than just numbers. When left in the environment, littered **cigarette** butts leach toxic chemicals, such as arsenic (used to kill rats) and lead, that may be carried as runoff to drains and end up polluting our rivers and lakes right here in Western New York. Because cigarette butts are primarily made of plastic filters that don't biodegrade, the butts that aren't eaten by wildlife simply pile up on shorelines or at the bottom of bodies of water.

It's time to kick butts out of our community! To find out how you can get involved, contact Jenna Brinkworth, Community Engagement Director of Tobacco-Free Roswell Park at 845-1615. Or visit <http://tobaccofreewny.com/>. The Kick Butt Collaborative is a collective of many players in Western New and the Great Lakes basin including Buffalo-Niagara Waterkeeper, Buffalo-Niagara Greenway, Citizens Campaign for the Environment, Erie County Department of Environment and Planning, Hamburg Butt Kickers, City of Buffalo Reuse and Recycling, Buffalo-Niagara Medical Campus and Roswell Park Comprehensive Cancer Center. We catalyze the skills and experience of each partner to empower citizen action for a cleaner, greener, butt-free community both now and for generations to come.

Challenge Yourself with Hiking

Wilderness Weekends in WNY Presented by your very own ADK-NFC, 'WWinWNY' is a 25 hike challenge that has no time limit! Work your way through WNY using our Wilderness Weekends guide book, or visit [WW in WNY](#) for more

Youth Action Buffalo

Are you between the ages of 16 and 25 and do you want to be a changemaker? If yes, then this opportunity could be just the right fit. The advisory council for Youth Action Buffalo is an integral part of the Community Action Team (CAT) we are building in collaboration with Opportunity Youth United. Those who succeed in joining the council will become the core of the CAT Team, and will play a vital role in goal setting, planning, and implementing activities.

This is an opportunity to drive real, systemic change in your community: Through the council, young leaders will have an outlet to speak up and take direct action to produce solutions to the issues that they care about. Young leaders will also receive skills training in community organizing, leadership, advocacy, and much more - not to mention building lasting relationships. [Apply before August 1](#).

Moss Ball Alert

Invasive zebra mussels have been found in and on aquarium “moss balls”. DEC is urging pet and aquarium stores, as well as consumers, to immediately remove and properly dispose of commercially purchased moss balls for aquariums. Consumers should be advised that moss ball products purchased from PetSmart and Petco may be subject to a voluntary product recall. It is important that you remove any moss balls —that were purchased within the last year— from your tank and properly dispose of them. Zebra mussel larvae are so small that you cannot see them and they can quickly take over your tank, damage filter systems, and, if released, cause great harm to waterbodies. Dispose of any moss balls from your tank in a sealed garbage bag. Other aquarium plants should be disposed of too as they may harbor zebra mussels from the moss balls. If you find zebra mussels in your tank or on a moss ball, please take a photo if possible and report the observation, via email at isinfo@dec.ny.gov, or by phone at (518) 402-9405.

Watershed 101 for Local Towns

Buffalo Niagara Waterkeeper created two educational videos for the Lake Erie Watershed Protection Alliance (LEWPA). The *Watershed 101* videos (approximately 20 min each) were designed with supervisors and mayors in mind. They give an overview of watershed principles suitable for anyone in municipal or regional government. [These videos provide basic information about what a watershed is](#), how our actions affect our watershed, and what we can do to protect the health of our watershed. There’s also information about local entities that provide related assistance.

Rochester Urban Nature Center Announced

A new \$5 million urban nature center proposal was announced as Rochester’s mayor unveiled the city’s official *Children’s Outdoor Bill of Rights*. Rochester is part of the [Cities Connecting Children the Nature](#) initiative with the [National League of Cities](#). The goal of this program is to make nature accessible to all children in urban environments.

Bird Cams: See inside the Nest

For a bird’s eye view, check out some of the bird cams that allow you to follow the nesting season for different bird species. At this [site](#), you can check out barred owls, red-tailed hawks, osprey, California condors and more.

Clean Energy Communities Program

Is your WNY town a member of the Clean Energy Communities Program? Check out the map [here](#) to see towns that are in the program and the actions that they have taken to save energy and often costs for their town. If your town isn’t one of them, ask your elected official why they haven’t made a commitment to cleaner energy.

“Kiss the Ground”: New Film Looking at Soil as a Climate Change Solution

A cure for climate change starts with a simple solution right under our feet. “Kiss The Ground” is now streaming on Netflix, and an exclusive Live Q&A with Gisele Bündchen, Woody Harrelson and Ian Somerhalder, plus the filmmakers, farmers and activists behind the regenerative movement, is right [here](#).

Niagara County Household Hazardous Waste Dropoffs

Niagara County will hold three household hazardous dropoff events in 2021 planned for August, September and October. As of May 1, households can get a voucher to drop off up to 50lbs at no fee. For more info or to check dates for registration for drop-offs, visit <https://www.rethinkyourwaste.com/>.

EPA Develops Food Stewardship Education Resources for the Faith Community

EPA's Food Stewardship education efforts aim to engage the faith community on protecting the environment through reducing food waste. A downloadable Food Stewards toolkit, with tips on how to modify food purchases, donate, compost, and share success stories, is now available. [Learn more about these resources.](#)

Help Prevent Rabbit Hemorrhagic Disease from Harming New York's Rabbits and Hares

Rabbit Hemorrhagic Disease (RHD) is a fatal virus that affects rabbits and hares. A new strain, RHDV2, identified in 2010 has recently jumped to wild rabbits and hares in the southwestern U.S., where it spread to six states within four months. The virus can infect wild rabbits and hares, in addition to domestic rabbits. RHDV2 is extremely hardy, easily transmitted, and highly lethal to rabbits and hares. It does not infect humans or other animals like dogs or cats. RHDV2 spreads easily through direct contact between rabbits or contact with contaminated environments or objects. The most likely potential routes of introduction to New York are through transported domestic rabbits, internationally imported rabbit products, or people who travel to outbreak areas in the southwest. Read the [RHDV2 factsheet \(PDF\)](#) to learn more about how it spreads, ways to prevent it, and what you can do to help.

NYSERDA Green Jobs Green New York Energy Studies

Small businesses and not-for-profit organizations can receive an energy study to help them identify opportunities to make their buildings more energy efficient. The energy study is a valuable tool to understand how to reduce energy usage and costs in your facility, and it provides a "road map" to plan for improvements that can be made as budgets permit. The energy study includes: A comprehensive walk through of the facility; site staff interviews; utility bill analysis; fuel neutral, unbiased evaluation of potential low-cost/no-cost and capital improvement energy efficiency upgrades; and a report that outlines potential energy and cost savings opportunities for your facility. Once the study is complete, you receive assistance in identifying potential utility incentives and low-cost financing options to help take the next steps toward implementing energy saving projects. Small businesses with 100 or fewer Full-Time Equivalent Employees (FTEs) company-wide or not-for-profit organizations of any size are eligible for the program. Effective January 1, 2021 through **June 30, 2021**, customers will be eligible for **100%** reimbursement of either the cost of their energy study or the installed measure costs, whichever is less. For more information call Michelle Wooddell at 1-888-338-0089 or email info@NYEnergyStudy.com.

New Math Text for College Humanities Students Developed Locally

Gerry Rising and Eileen Schoaff, two local math professors, retired from UB and Buffalo State College respectively, are among four co-authors of the new text for students of the humanities, *About Mathematics*, published by Linus Learning. The book includes plenty of math content: algebra, geometry and calculus, as well as applications ranging from personal finance and breaking codes to fractals, logistic growth, spherical geometry and the logical problems in Euclid's *Elements*. But its approach and goals uniquely serve this non-STEM audience, many of whom bring to math classrooms negative attitudes toward this subject. Those goals include making students comfortable with mathematical concepts and notation and — most important — leading them to include math as another tool in addressing their own life problems.

A special feature of the text is its over one hundred QR Reader-accessed panels that allow the students to focus on concepts rather than computation and give them opportunities to explore interesting mathematical settings. For more information about the text, contact Gerry at insrsg@buffalo.edu.

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.

Probiotic Soap can Help Clean Rivers

Throughout much of the world, people use river water for laundry, drinking, bathing and cooking if there isn't running water at home. Using laundry soap can pollute that water, but a new kind of probiotic soap was designed to help clean the water instead. Partnering among a creative agency Fahrenheit DDB, Andea, a bottled water company, and a Peruvian startup called Cirsys resulted in a solution, a bar soap that contains microorganisms that can feed on the nutrients in the river, reducing pollution. The process can help clean both pollution from other laundry soap, and from sewage that also ends up in rivers. After a pilot project to test the soap, the partners now hope to convince soap manufacturers to incorporate the technology. [More info.](#)

Paint Product Stewardship Shifted to 2022

[New York Paint Stewardship Act](#) was the fifth product stewardship program established in NYS, after more than five years of persistent education and advocacy. In 2019, NYPSC worked in tandem with PSI, the American Coatings Association (ACA), and Citizens Campaign for the Environment (CCE) to lead a coalition of 43 local governments, municipal and industry associations, and other environmental groups urging the [passage of paint stewardship legislation](#). The program, which will be managed by industry-run nonprofit [PaintCare](#), is expected to launch in early 2022 and will offer hundreds of conveniently located drop-off locations throughout the state. PaintCare is awaiting regulatory changes, exemptions or clarification from DEC to allow for oil-based paint collection at retailer sites and solid waste transfer stations, and to determine the rules under which paint will be transported from drop-off sites. Once these are resolved, PaintCare can begin the process to solicit paint transportation and recycling services, recruit retail drop-off sites, distribute contracts to Household Hazardous Waste programs, and calculate a costs and fee structure.

Climate Pledge Friendly: Amazon Helps Customers Identify Sustainable Products

The Green Electronics Council (GEC) is participating in Amazon's Climate Pledge Friendly, a new program to help make it easy for customers to discover and shop for more sustainable products. Customers will now see the Climate Pledge Friendly label when searching for more than 45,000 products to signify that the products have one or more of 19 different sustainability certifications that help preserve the natural world. Amazon evaluated hundreds of external sustainability certifications and chose organizations that certify products that have demonstrated environmentally-related sustainability benefits. GEC is proud to be one of the third-party entities offering Climate Pledge Friendly products. The selection for Climate Pledge Friendly includes grocery, household, fashion, beauty, and personal electronics products, as well as other items from a range of categories—from brands such as Burt's Bees Baby, Honest Company, and Seventh Generation, among others. For detailed information on the program qualification criteria and to start shopping for these products visit: <http://www.amazon.com/ClimatePledgeFriendly> or look for the [Climate Pledge Friendly badge on qualifying products](#).

U.S. Food and Drug Administration (FDA) Creates Food Loss and Waste Animated Shorts

FDA continues its efforts to raise awareness of food loss and waste among consumers through a series of animated shorts that bring attention to actions each household can take to reduce food waste [Check out these animations on the FDA website.](#)

Solar-Powered Heritage Carousel: Opening in Late May

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. Installation of horses on the carousel has begun. Consider adopting one of the animals or contributing to the efforts of the project as they still need donations to meet their goals. For info, visit <http://buffaloheritagecarousel.org/>

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.

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.

What Goes Where: Recycle Coach

Erie County residents can now use an application to provide information on recycling and trash pick up for their municipality. Towns will be adding more information to the site in the upcoming weeks, but it is designed to be a one-stop site to find out how and when to recycle in your town. **Download the App or [click here](#) to learn more!**

Living with Wildlife-Webinar Presentation by the Cary Institute

Explore New York State wildlife, their ecological roles, and the threats they face in a recorded webinar by the Cary Institute. This session's topics include: techniques to enhance wildlife populations, cost-sharing opportunities with the USDA's Natural Resources Conservation Service, best practices to prevent wildlife damage. View it [here](#).

New Continuing Education Opportunity: Nature and Human Health

Exercise is Medicine® (EIM) partner Park Rx America, in collaboration with the USDA Forest Service, recently produced a first-of-its-kind continuing education activity on nature and human health. Designed specifically for health care practitioners, the course summarizes the evidence for nature and human health and demonstrates how to incorporate nature-based interventions into daily practice. The course is FREE for anyone to watch and provides even more reasons to help your patients be active in natural surroundings. <https://parkrxamerica.org/continuing-education/>

The Empire State Trail is Now Open!

The Empire State Trail, the longest multi-use trail network in the nation, is officially complete and open to the public. The mega trail, a source of recreation, economic development and tourism, connects 20 regional trails to create a continuous statewide signed route. It is 75 percent off-road to provide a safe and accessible route for cyclists, hikers, runners, cross-country skiers and snow-shoers. Now, all New Yorkers and visitors can experience New York's natural beauty, varied landscapes and historic heritage. To learn more about the trail and the projects undertaken over the last four years, read the [press release](#) announcing the trail's completion.

Lead Pipes in your House? Get a Free Water Test

If you have determined your home has a lead service line, there are resources at your disposal. ([If you missed our last alert on how to determine if you have a lead pipe, click here](#)). Getting your water tested is an important next step to learn how much lead might be currently leaching from your pipes into your drinking water and the risks to your home. To receive a free lead testing kit through the mail, call (518) 402-7650 or [submit an online form to the NYS Department of Health](#). Once you receive your test results, we recommend that you inform your local water department and learn what options are available to help replace lead pipes. Check this [factsheet](#) to learn how to protect your household.

Detection Dogs Project Underway

In a collaborative project to try to monitor spotted lanternfly (SLF) spreading across the region, detection dogs are being trained and tested. In a survey trial run in a vineyard and adjacent natural area, the two dogs went right to work to sniff out the SLF egg masses sometimes faster than their human partners could record. The SLF tend to lay their eggs in hidden places or on the undersides of objects, rather than in open areas and the dogs demonstrated that they can find them when they aren't easily observed by humans. [Learn more about the project and view more pictures here >>](#)

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](#).

Beekeeper Alert: Spotted Lanternfly can be Transported on Beekeeping Equipment

Spotted lanternfly (SLF) egg masses can be laid on hive boxes, lids, bottom boards, stands, pallets, etc. Beekeepers must check equipment, vehicles, and trailers for SLF prior to moving the equipment and transporting new colonies. If you find SLF individuals of any stage in your apiary or equipment, and you are not inside of the quarantine zone, it is very important that you report it [here](#). In addition to the quarantine policies, lanternflies may impact bees in other ways. Part of the management and efforts to control the spread of this pest include the application of the systemic insecticide **dinotefuran** to trees infested with SLFs. These insecticide applications may directly or indirectly impact the health of honeybee colonies and other pollinators who may be directly collecting pollen and nectar from flowers of trees that have been sprayed with insecticides targeting SLF. Indirectly, honey bees may be using the honeydew—the sap that flows when planthoppers feed on plants—as a food source. Research groups at Penn State are investigating the direct and indirect effects of SLF control measures on bee health. If you’d like to brush up on your spotted lanternfly identification, you can visit the [NYS Integrated Pest Management site](#) devoted to SLF.

New Girl Scout Patches about Wildlife and Biodiversity

The Center for Biological Diversity is partnering with the Girl Scouts of Western New York to offer two new patches that will allow girls to explore local wildlife, threats to biodiversity and actions they can take to protect the wild. The [Healthy People, Healthy Planet patch](#) will be offered this winter and the Conscious Consumer patch will launch in the spring. Both programs have been adapted for virtual participation to ensure a safe, engaging experience. If you're involved with your local Girl Scouts and would like to find more info, email [Sarah Baillie](#).

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!

NE Regional Invasive Species and Climate Change Symposium Resources

View the 2021 Northeast Regional Invasive Species and Climate Change (RISCC) Network symposium [infographic](#) to access recordings and read the symposium report.

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>

Grant to Expand Field & Fork Network’s Double Up Food Bucks

Field & Fork Network has been awarded a four-year, \$4.6 million federal grant through the Gus Schumacher Nutrition Incentive Program (GusNIP), by the USDA (U.S. Department of Agriculture) to continue expanding the Double Up Food Bucks nutrition incentive program across New York State. Double Up Food Bucks matches SNAP (Supplemental Nutrition Incentive Program) benefits – dollar for dollar – on fresh fruit and vegetable purchases at participating farmers markets, mobile markets, small retail, and grocery locations. The GusNIP grant, to be allocated over the next four years, will allow for expansion into 45 counties across the state, as well as further development of technological advances for the program, by 2024. This will provide the resources needed to implement the Double Up program into year-round grocery sites like Lexington Co-op Markets, which just this year adopted the program as the first grocer to do so in upstate NY. To learn more about Double Up Food Bucks New York and find participating locations near you, please visit the program website at www.doubleupnys.com.

***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.

Northern Hardwood Conference

Save the dates **June 15-16** for an online event. Look for details at <https://foreststewardsguild.org/event/northern-hardwood-conference-2021-virtual/>

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. This [brochure](#) offers an overview of the program, certification standards, and the certification process. If you would like further information, please see beebettercertified.org.

Organic Resource Locator Tool Available

The ORL is an interactive web-based mapping tool that is used to connect food waste generators, i.e. restaurants and grocery stores with those who can beneficially use the wasted material such as composters and anaerobic digesters. The update includes a data refresh, expanded business categories and improved estimation methods for waste generation rates. View the tool [here](#).

Introducing the Drinking Water Source Protection Program Newsletter

As part of [New York's Drinking Water Source Protection Program](#) (DWSP2), DEC is launching a monthly e-newsletter to provide information about a variety of subjects related to protecting New York's drinking water sources. Newsletter topics will include DWSP2 program updates, resources available, potential funding sources, implementation projects, and more. [Sign up](#) for the DWSP2 newsletter to stay informed on this topic.

U.S. Department of the Interior Releases Their 5 Year Invasive Species Strategic Plan

The Plan sets out a vision for effectively managing invasive species through collaborative conservation to protect our nation's environment; natural and cultural resources; economy and infrastructure; and public health. It both reflects ongoing work by the Interior and its partners and leverages opportunities to respond to emerging issues. Stakeholder input received at the onset of the Plan's development, and again during the formal public comment period on the draft Plan, significantly influenced the content of the Plan. You can access the Plan [HERE](#).

Watch "Our Gorgonosa": Mozambique Project for Elephants and People

Gorongosa National Park in Mozambique has become one of the most celebrated wildlife restoration stories in Africa. After a quarter century of civil war and political turmoil wiped out more than 95% of the large mammal population, a decade of renewed protection and careful conservation has brought the park back from the brink. In the film “ Our Gorgonosa”, Dominique Gonçalves, a vibrant Mozambican ecologist who runs the Gorongosa elephant ecology project, shares the myriad ways Gorongosa is redefining the identity and purpose of an African national park. From her own work mitigating human/elephant conflict; to community clubs and school programs that empower girls to avoid teen marriage and pregnancy; to health clinics and nutrition training for expectant mothers and families; Dominique leads viewers on an eye-opening journey that will transform their understanding of what a national park can be. <https://gorongosa.org/our-gorongosa-film/>

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.

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.

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.

WNY Land Conservancy Wildway Plan

The 201-acre oak forest for sale in Cattaraugus County comes with rare American chestnut trees, native orchids, black bears and bobcats. It's just the kind of natural place to gain attention from the Western New York Land Conservancy, which has prevented forests, wetlands and farmland from being sold or subdivided since its founding in 1991 and wants to buy and preserve the forest it calls the Allegany Wildlands, opening the land to the public. But this project is part of a larger effort the conservancy has just begun talking about as a way to respond to the loss of wildlife and biodiversity and climate dangers. The strategy aims to create a system of connected and protected forests from Pennsylvania to the Great Lakes and the Finger Lakes, from Western New York to the Adirondacks, providing a corridor for wildlife to move back and forth. For more info, read [article](#).

Citizen Science Project Lets You Fight Deforestation from your Couch

Looking for a hands-on way to contribute to conservation? SAS, a systems analysis company, teamed up with the International Institute for Applied Systems Analysis (IIASA) to build an artificial intelligence model that can recognize signs of deforestation and they need citizen scientists to help them do so. In order to “train” the AI to recognize signs of deforestation in satellite images, the program is using dedicated volunteers to sort through images taken from space and look for clues. Citizen scientists who want to participate simply go to [the program website](#) and scan images for signs of human activity like cars, roads, or farm plots. This helps the AI learn where deforestation is being caused by human activity. If you're looking for a tangible way to contribute to conservation, we urge you to visit [the website](#) today and take part in meaningful citizen science!

Alternative to Soy and Deforestation to Feed Livestock

[Deep Branch](#), a UK-based startup aims to cut the environmental footprint of agriculture by creating animal feed made out of CO2. Their effort aims to not only capture some carbon that would otherwise go into our atmosphere but also to provide a sustainable alternative to soy-based feedstock often linked to deforestation. Deep Branch's method involves feeding carbon and hydrogen to a microorganism in a fermentation process similar to what you would see in a brewery. However, instead of beer, the output is a high-value protein that can be dried and converted into animal feed. The protein created by Deep Branch holds great potential to provide such an alternative as it relies on recycling CO2 from industrial emitters, without requiring land and other natural resources to produce it. Read [more](#).

Water Quality Improvements and Resilience in the Great Lakes: A Toolkit

A new toolkit presents traditional and newly emerging funding and financing options for green infrastructure to reduce stormwater impacts. Funded by the Great Lakes Protection Fund, Resilient Infrastructure Sustainable Communities (RISC) is a network of public and private sector professionals focused on water related climate resiliency initiatives, including scaling up green stormwater infrastructure across the Great Lakes region. [View the toolkit here](#)

Municipal Zero-emission Vehicle (ZEV) Rebate and Infrastructure Grant Programs

A total of \$2.8 million is now available to help municipalities to install public charging stations and purchase or lease zero-emission vehicles for fleet use. DEC is accepting applications on a rolling basis from now through October 29, 2021, or until funding is exhausted. Applications for the 2021 Zero-emission Vehicle Rebate Program and the 2021 Zero-emission Vehicle Infrastructure Grant Program are available through the [New York State Grants Gateway](#). During this round, up to \$300,000 in rebates are available for municipalities that purchase (or lease for a minimum of 36 months) zero emission vehicles from eligible dealerships in New York. Plug-in hybrid, all-electric, or hydrogen fuel cell vehicles are eligible for rebates of up to \$7,500 per vehicle, depending on the electric range of the vehicle and provided they were placed into municipal service on or after March 1, 2020.

In addition, up to \$2.5 million is available during this round for municipalities to install hydrogen filling station components or electric vehicle chargers. A variable local match of zero to 20 percent of the total project cost is required based on the community's median household income. The maximum grant amount for any location is \$250,000 and \$500,000 to any one municipality. Additional information is available online [here](#).

Geocaching: Have Fun and Make a Difference

If you don't know anything about geocaching, it's a treasure-hunting game that uses GPS-enabled devices to find caches other players have hidden. Caches could be a small container, like a film canister; as large as a trash can; or something tricky, like a fake rock with a hidden compartment. Inside each cache, there's a logbook so players can log their finds and often choose some small, fun thing to take away. However, players are expected to leave something of equal or greater value, so the next seeker isn't disappointed.

To celebrate the 20th anniversary of geocaching, players will be doing something different this year by logging a locationless cache that in some way improves the environment. To participate, Geocaching HQ asks people to do something like clean up a walking path, plant trees or help a community group remove invasive species in a park. Players need to log at least one photo of themselves or a personal item with the results of the outdoor improvement and say where the activity took place. More images and stellar storytelling are encouraged. The locationless cache initiative is available for [logging now](#) through December 31, 2021. Players will earn the Locationless Cache icon plus a special souvenir on their Geocaching profiles.

Lake Ontario 2018-2022 Lakewide Action and Management Plan Finalized

The governments of Canada and the United States have finalized a [2018-2022 Lake Ontario Lakewide Action and Management Plan](#) (LAMP), an ecosystem-based strategy for restoring and protecting the water quality of Lake Ontario and the connecting St. Lawrence and Niagara Rivers. The LAMP for Lake Ontario identifies key priorities for the lake and connecting rivers, including: nutrient and bacterial-related impacts; loss of habitat and native species; aquatic invasive species and critical and emerging chemical contaminants. For more info, visit: <https://binational.net/2021/03/16/on-final2018-2022acplan/>

Online Birding Tools: Learn more about our Feathered Friends

[BirdCast](#) offers real-time migration maps showing where birds are and in which direction they're going. Designed by scientists at the Cornell Lab of Ornithology, the site's forecasts are based on 23 years of radar observations combined with weather forecasts. [eBird](#) shares a citizen science project that claims to have more than 100 million bird sightings contributed each year by members around the world. You can use the site to track specific species or discover birds and hotspots near you. While you might need to wait until next year to use it, [Hummingbird Central](#) features an interactive migration map that includes first sighting data from citizen scientist contributors throughout the US and parts of Canada. In addition to maps, the site shares lots of hummingbird information about these fascinating fliers, such as the fact that a hummingbird's heart beats up to 1,260 times a minute.

The Osprey Have Landed!

Tifft Nature Preserve is excited to announce that the two adult ospreys that have migrated North to Tifft since 2011 have returned to the Preserve! You can look into their nest with the [#TifftOspreyWatch Live Stream](#) made possible with support from the East Hill Foundation. The camera is currently live-streaming footage from the osprey nesting platform and broadcasting worldwide! Over the next several weeks, the Tifft Ospreys will make tweaks to get the nest ready, mate and lay eggs! You can make sure you don't miss any Osprey Breaking News by following Tifft Nature Preserve on [Facebook](#).

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 runs on an ordinary laptop in a fraction of a second, is available online, 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.

First Home Hydrogen Battery

Australian energy company Lavo has designed a home energy storage system that doesn't use conventional batteries, but opts for hydrogen as fuel. Lavo's Green Energy Storage System is technically an electrolysis unit that generates hydrogen from water, stores it, and then turns it into electricity using a fuel cell. Its 40 kilowatt-hours capacity exceeds the capacity of current battery storage for home systems and can power an average home for two days straight. It's also technically more environmentally friendly as it doesn't use as many rare earth metals. While not as efficient as lithium ion batteries, it does not use as many rare earth metals as most battery storage systems. Read [more](#).

Pesticide "Vaccine" for Plants

Researchers from Martin-Luther-Universität in Germany have developed a rapid and reliable approach to creating a "vaccine" for plants. It can be sprayed on like a pesticide, or even injected like an animal vaccine and works using RNA interference, or RNAi which causes the cells to recognize double-stranded RNA from another individual and cut it into fragments. Then, the cells use those fragments to identify and stop further pathogen activity. One of the major advantages of "vaccinating" plants is that RNA molecules can be externally delivered to plants by a spray, stem injection, root drenching, or seed treatment. Viruses and pathogens mutate continuously to adapt to changing environments; designing a tailored RNA "vaccine" would be quicker and easier than time consuming and laborious procedures needed for gene editing. This would be an advantage for perennial crops, such as grapevine, citrus trees, and apple trees, which often require years of experiments and are expensive to genetically modify. For more [info](#).

Landscape Design with Native Plants

If you missed the "Meet the Designers" webinar with Carmen Simonet ([Minneapolis native garden plan](#)) and Susie Van de Riet ([St. Louis native garden plan](#)), you can view the [YouTube link!](#) They discuss their plant choices and the combinations that allow the best colors and textures for your garden.

Biodegradable Plastic Made from Fish Waste

A new bioplastic has been created by a team at Canada's Memorial University of Newfoundland. They started with the heads, bones, skin and guts of farmed Atlantic salmon, after the fish had been filleted for seafood sales. Usually, such remains would either be composted or simply thrown away. The scientists proceeded to extract fish oil from the waste, then added oxygen to that oil in order to create epoxide molecules, which are similar to those found in epoxy resin. Carbon dioxide was then used to link those molecules together, with some help from cashew-shell-derived nitrogen-containing compounds known as amines. The resulting bioplastic was shown to start biodegrading soon after being immersed in water to which the enzyme lipase had been added. Read [more](#).

New Method to Generate Hydrogen Using Silicon Carbide

One prospective source of renewable energy is hydrogen gas produced from water with the aid of sunlight. Swedish researchers have developed a material, nanoporous cubic silicon carbide, that exhibits promising properties to capture solar energy and split water for hydrogen gas production. Hydrogen can be used to generate electricity using a fuel cell, and hydrogen-fueled cars are already commercially available. When hydrogen gas is used to produce energy, the only product formed is pure water. In contrast, however, current methods for hydrogen production produce carbon dioxide due to the use of fossil fuels. Producing hydrogen gas by splitting water molecules with the aid of solar energy is a sustainable approach which offers the possibility to convert solar energy to fuel that can be stored. [more info](#).

Climate Change and Birds

Audubon has created a [Birds and Climate Visualizer](#) that actually shows how birds are faring and the impact of climate change in specific regions across the country. For example, the Rusty Blackbird, much like the little blackbird in [A Kindness Remembered](#), is now vulnerable to climate change. But climate change not only threatens birds, it impacts our entire biosphere. Calling on elected officials to make decisions and pass laws that will help slow down climate change is one way to improve the ecosystems for birds and humans alike, but so are celebration and education.

Don't Tread Lightly: Make Energy from Your Floor

A new method to generate electricity from wood could power a building's lights and displays by harvesting energy from occupants' steps. The low-cost, eco-friendly process reported in the journal [Science Advances](#) uses fungus to rot wood and make it springy, so it can produce power when squeezed. Wood has been known for decades to be piezoelectric, generating electric power when mechanically deformed. Researchers use a white rot fungus to decompose the lignin and the hemicellulose in the wood, reducing its weight by almost half after about six weeks and creating a spongy wood. A dice-sized cube of the spongy wood produced a voltage of 0.87V, enough power for a small sensor, when squished repeatedly 500 times. Applying this process to larger pieces of flooring would generate usable amounts of power.

Cycling the Erie Canal Guide

The [5th edition of Cycling the Erie Canal](#) includes miles of new trail added as part of the Empire State Trail, plus the most recent information on lodging, attractions, and bike shops. 38 full-color maps provide the perfect tool to plan a bicycle trip along the trail. The guidebook is great for walkers, hikers, boaters and auto travelers, too.

Buffalo's Northland Workforce Training Center

The National Trust for Historic Preservation recently spotlighted the Northland Workforce Training Center. The large industrial structure's original sections were built in 1910-1911 for Niagara Machine & Tool Works, a sheet metal business that fabricated equipment, appliances, and automotive materials. Like the fate of many Rust Belt manufacturing and industrial buildings, operations closed in 1999 and the building sat vacant for nearly two decades. The roughly 240,000-square-foot facility consists of a few structures: the four-story office building facing Northland Avenue, two large sections of saw-tooth manufacturing spaces, a crane bay, and two Midcentury, multi-use structures on the back of the facility, abutting the railroad tracks. In 2014, the Buffalo Urban Development Corporation began a [historic preservation and workforce development project](#) that saw the potential of this mixed-use, underserved area. Read the article [here](#).

Soil Moisture Data from NASA Available Via New Tool

[Crop Condition and Soil Moisture Analytics](#) is a new tool developed by USDA National Agricultural Statistics Service in collaboration with NASA and George Mason University. The tool maps soil moisture, providing farmers and ranchers with free access to high-resolution data that can help plan spring planting, track damage after disasters, monitor crop health, and more.

Recycle Right Website Launches

Learn more about recycling in New York with the new website: <https://recyclerightny.org/>. Resources and info on how to recycle and where you can recycle are shared. Funding opportunities for recycling programs and ideas are also listed.

A Whole-Farm Approach to Sustainability" Launches SARE's Sustainable Agriculture Video Series

Sustainable Agriculture Research & Education (SARE) is introducing a new series of eight short animated videos, ["What is Sustainable Agriculture?"](#) They illustrate how producers can improve the success and health of their farms by implementing sustainable practices.

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.

Carbon Emissions Data Reported Across Entire Food Production Supply Chain

Our food systems pump out one-third of global greenhouse emissions – 34% – every year, according to new research published in [Nature Food](#). This study goes into intensive detail to build up a huge dataset that identifies the sources of those emissions across the whole food production and supply chain. For the first time, researchers reliably pinpoint emissions by sector and country, revealing some surprising facts in the process – such as the rising contribution of refrigeration and plastic packaging on global emissions. The study covered the period between 1990 and 2015, and drew together estimates on several types of emissions across all forms of food production – crop and livestock farming, aquaculture and fishing. It also measured emissions across the entire food system, from land conversion and food production, to transport, processing, packaging, retail, and consumption beyond the farm gate. The resulting database showed that by 2015, Earth's sprawling food system was emitting 18 gigatons of carbon dioxide equivalent a year, which amounts to a third of total global greenhouse gas emissions.

The actual growing of crops and rearing of livestock produced the vast majority of those emissions, accounting for 71% of which 39% was generated by the production of food, and farming inputs such as fertilizers. Land-use change, which involves the conversion of wild land into farms, made up the remaining 32% of the 71% figure, manifesting in carbon loss from deforestation and the destruction of organic and peatland soils to make way for farmland. This indicates how much of the emissions challenge is embedded in the earliest stages of farming.

Meanwhile, the remaining 29% of food system emissions arose from transporting, packaging, selling, and disposing of it. This share of food-related emissions is going up. By 2015, food packaging accounted for 5.4% of all annual food-related emissions, which makes the case for us to think beyond the ocean-polluting features of plastic packaging, in particular, to the emissions produced by these single-use items as well. Meanwhile, refrigeration accounts for 5% of all greenhouse gases from food systems – and as cold-chain technologies spread, that figure is expected to increase.

Free Curriculum on the Underground Railroad, Great Lakes and Science

The Freedom Seekers curriculum project is a collaborative effort between several organizations and schools throughout the Great Lakes. It is part of a professional development effort for educators to increase their knowledge of the Great Lakes and environmental issues while incorporating Environmental Justice Education (EJE) approaches to K-12 teaching. These EJE approaches leverage cross-curricular connections that focus on increasing the awareness of local issues and history in the Great Lakes region. Connected to the Center for Great Lakes Literacy and its [Great Lakes Literacy Principles](#), these lessons were designed and assembled as a collaborative effort to share the interconnections humans have with the land. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes. This free curriculum, [Freedom Seekers: The Underground Railroad, Great Lakes, and Science Literacy Activities](#), acknowledges the enslaved Africans who had to rely on environmental science principles in their quest for life, liberty and the pursuit of happiness. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes.

Black Marine Scientists Sound Bites

Join Black in Marine Science ([BIMS\) Bites](#) every week at 1pm for a 5 minute topic or view their previously recorded topics on this YouTube channel. Learn more about marine science and see the diversity of researchers in the field.

National Park Foundation's Every Kid Outdoors Initiative

This initiative provides an opportunity for fourth and fifth graders nationwide to experience federal parks, forests, and recreation areas in person throughout the school year. Families will have access to their own Every Kid Outdoors pass to provide free access to national parks as well. Good until the end of August 2021. Print out a paper voucher from the [Every Kid Outdoors website](#). Teachers or adults who engage fourth and fifth graders through a youth-serving organization can print paper passes and find activities and lesson plans [here](#)

Teacher's and Home-Schooling Resources

[EcoRise's Introduction to Environmental Justice lessons](#) - foundation for students' understanding of environmental justice (EJ) history and concepts for elementary, middle, and high school students.

[The Eco-Documentary, KISS THE GROUND: FOR SCHOOLS, available](#). NSTA and KISS THE GROUND: FOR SCHOOLS have partnered to bring new, science-based lesson plans and resources to K-12 teachers nationwide. The new, classroom-ready materials build key science skills while exploring the importance of regeneration and environmental health topics.

[Greening STEM Activities, Lessons and Curricula](#)- Grade 1 through high school.

<https://www.nsta.org/playlist/daily-do-natural-resources-water> Daily educational lesson plans

<https://naaee.org/eepro/resources/drawing-comics-about-nature-danica> viewers learn about storytelling elements in comics. Danica Novgorodoff begins by prompting viewers to think about a place in nature that is special, an experience in nature that was amazing, and third, an experience in nature that was scary. With these three prompts, viewers join Danica Novgorodoff in creating a five panel comic story.

[EarthX Virtual Field Trip](#)-Focusing on solutions to environmental issues presented in the EarthX free K-12 STEAM curriculum, these short 5-10-minute videos cover a wide range of topics and come complete with an overview correlated to Next Generation Science Standards as well as the TEKS. Suitable as a stand alone resource as well.

[Outdoor Education Collective](#)-Lessons, videos, curriculum.

[Buffalo Niagara Waterkeeper School Programs](#)- programming and resources for Western New York educators. We strive to provide opportunities for youth to learn about local freshwater ecosystems, local environmental justice issues, and civic engagement skills to cultivate the next generation of environmental scientists, stewards, and advocates. There are lots of lessons and resources available for teachers that are very WNY focused.

[Short Films to Save the Ocean: Climate Change & the Ocean](#)-Looking for creative ways to bring climate change into your classroom? Bow Seat Ocean Awareness Programs has compiled some of the best student films from our Ocean Awareness Contest archives. Created by youth from all over the world, these short films explore the many ways climate change affects ocean and human health.

[Ocean Acidification](#)-NOAA Data in the Classroom curriculum

[Energy Curriculum](#)-Free online education curriculum on energy.

[Circular Economy Activity](#)-Inspire students to reduce waste by applying a remake, reuse, and recycle model in creating an entirely new product from recycled materials.

[Build Your Own Electric Vehicle](#)-By building their own working model of an electric vehicle, students will learn about the electrification of transportation.

[Dyson's Experiments to teach engineering](#)- 44 experiments.

[Additional resources](#)

Contests and Awards

[Youth Leadership Program Applications](#) and [Water Challenge Ambassadors](#)-EarthEcho's Youth Leadership Council and Water Challenge Ambassadors. Applications for both of these opportunities are open through **May 3, 2021**.

[2021 New York Recycles Poster Contest](#)- Do you know any kids or educators that love art and the environment? Are you looking for a meaningful and fun environmental activity for kids? DEC's New York Recycles Poster Contest is a creative way for students in grades K-12 to celebrate the environment, learn about waste reduction, recycling and composting, and show off their creative talents all at the same time. Winners will be selected for each age group, and their posters will receive the honor of having their artwork on public display at DEC's headquarters in Albany, a framed copy of their winning poster, and other prizes. Review this year's themes with the rules. Deadline: **May 21**.

[Work Out Your Wild Side](#), a motivational physical education challenge from World Wildlife Federation, gets students and children up and moving while teaching them about species and habitats. Crawl like a bear, jump like a frog, and dance like a bee with our five habitat-themed weeks of exercises paired with interesting facts about the habitats and the species that live there. Pick and choose your exercises or complete all five weeks in full. Wrap-up the challenge with a journal writing assignment for your students/children to reflect on the experience. Once the challenge is complete, you can submit one journal entry by **May 14, 2021** and enter a sweepstakes for a chance to win your class or family a WWF education pack and one-on-one webchat with a WWF wildlife expert, right in time for Endangered Species Day on May 21, 2021!

[Ocean Awareness Contest](#)- Students ages 11-18 from around the world are invited to participate in the Ocean Awareness Contest. Deadline: **June 14, 2021**.

Grant and Scholarship Opportunities

[Community Food Projects Competitive Grants Program](#)-USDA National Institute of Food and Agriculture requests applications for \$4.8 million in funding through the [Community Food Projects Competitive Grants Program](#). Deadline: **May 4, 2021**.

[USDA Value Added Producer Grants for COVID Relief](#)-This program helps agricultural producers enter into value added activities related to the processing and/or marketing of bio-based, value-added products. USDA added an additional \$35 million to support agricultural producers affected by the COVID-19 pandemic, reduced the matching requirement to 10 percent of the grant amount, and extended the application deadline. Deadline: **May 4 (extended)**.

[Environmental Justice Grants](#)- The U.S. Environmental Protection Agency (EPA) has up to \$6 million in grant funding Addressing COVID-19 concerns faced by low-income communities and communities of color including: Climate Change and Natural Disaster Resiliency outreach and planning, [Ports Initiative](#) to assist people living and working near ports across the country and Small non-profits. Deadline: **May 7, 2021**.

[CEE-Change Fellowship: Building Leadership in Civics and Environmental Education](#)-ee360 is joining forces with Cedar Tree Foundation to launch a new fellowship in 2021. This fellowship program will bring together a diverse and inspiring cadre of formal and nonformal educators and community leaders working to address today's complex

environmental and social concerns at the local, state, and national levels. As part of this fellowship, participants will learn civic engagement (CE) skills together with environmental education (EE) skills, and look at how the two fields can collaborate more deliberately. This work is intended to foster leadership within schools and at the community level, promote civic engagement and environmental responsibility, and ultimately build more resilient, equitable, and healthy communities. The fellowship program is a partnership with US EPA and the Cedar Tree Foundation to help strengthen environmental education and civic engagement. Deadline: **May 17, 2021.**

[Regional Conservation Partnership Program's Alternative Funding Arrangements](#)-USDA is seeking proposals to fund up to \$75 million in new, unique projects under the Regional Conservation Partnership Program's (RCPP) Alternative Funding Arrangements. USDA's Natural Resources Conservation Service will prioritize projects related to climate smart agriculture and forestry. Deadline: **May 28.**

[Chrysalis Fund Grant](#)-The Chrysalis Fund 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. Deadline: **June 1.**

[NOAA Planet Stewards Educator Grants](#)-Are you an educator looking to initiate action in your school or community to address pressing environmental issues? Would \$5,000 help you to realize your goals? NOAA Planet Stewards is NOW accepting proposals from formal and informal educators working with elementary through university aged students to support projects - up to \$5000 - to implement stewardship action projects that make a measurable impact in their school and/or community. Projects must focus on one of the following areas: marine debris, habitat conservation and restoration, carbon footprint reduction, or carbon sequestration. Deadline: **June 6.**

[Sustainable Agricultural Systems Request for Applications](#)-The Agriculture and Food Research Initiative's Sustainable Agricultural Systems grant program will fund projects that significantly improve the supply of affordable, safe, nutritious, and accessible agricultural products, while fostering economic development and rural prosperity in America. NIFA seeks applications that take a systems approach for projects focused on the themes in the USDA Science Blueprint. Deadline: **July 1, 2021.**

[Environmental Justice Community Impact Grants](#) - NYSDEC announced the availability of \$4.1M in Environmental Justice Community Impact Grant funding for not-for-profit corporation (NFP) community-based organizations, for projects that address exposure of communities to multiple environmental harms and risks. Deadline: **July 1, 2021.**

[DOI FWS Coastal Program](#) - \$13 million, Eligible Entities: county governments, Indian tribal governments, Indian tribal organizations, state governments, city or township governments, independent school districts, unrestricted The Coastal Program is a voluntary, community-based program that provides technical and financial assistance through cooperative agreements to coastal communities, conservation partners, and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program staff coordinates with partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation goals and priorities within these focus areas. Geographic focus areas are where the Coastal Program directs resources to conserve habitat for Federal trust species. Deadline: **Sept. 30.**

[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 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 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**.

[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**.

[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**.

[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](#)- 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.

[NYSP2I Food Waste Reduction & Diversion Reimbursement Program](#)- The Food Waste Reduction and Diversion Reimbursement Program is an innovative partnership between New York State and Rochester Institute of Technology (RIT) focused on incentivizing the reduction of food waste in the state. The program provides reimbursement to New York State businesses or not-for-profits that generate, haul or recycle large amounts of food waste to offset the cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. **Rolling deadline.**

[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.

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

[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.

[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

[Chief Curator at Roger Tory Peterson Institute](#)-open until filled.

[WNY PRISM Education and Outreach Program Manager](#)- to lead educational efforts including program development and implementation, event coordination, communication, and development of training and outreach materials. This is a full-time position based in Buffalo, NY. Deadline: **Friday, May 7, 2021**.

[Community Garden Trainer](#)-Grassroots Gardens. Want a flexible job working with our network of community gardeners? The Community Garden Trainer is our in-house expert resource for our adult gardeners. This individual will act as a mentor and trainer to our community gardeners, assisting them with planting, pest problems, harvesting and more. The Community Garden Trainer will also evaluate our gardens, help care for plantings within our grant-funded programs, teach in our annual Spring Seminar series and perform community outreach as needed. Deadline: **May 11**.

[Education Manager for Go Bike Buffalo](#)- to support youth and adult bicycle education in WNY. GObike believes diversity, equity, and inclusion will make our organization and our region stronger. Our education programs are part of our ongoing commitment to increase engagement with and relevance to people and communities that are currently underrepresented in the cycling community and within our organization. Deadline: **May 10**.

[Boat Stewards/Environmental Educators](#)-WNY PRISM will interact daily with the public at boat launches. Boat Stewards will perform voluntary boat inspections to remove visible aquatic plants and animals from all types of watercraft. Removal of aquatic plants and animals will help to prevent the transport and spread of aquatic invasive species. Boat Stewards will also be responsible for public education and distribution of educational materials. Boat Stewards may have the opportunity to assist with invasive species removal projects. Projects may include early detection/rapid response efforts, or control projects to reduce established populations of both aquatic and terrestrial invasive species. Boat Stewards will be assigned to a single, primary launch, however there is the potential for coverage needs to require occasional travel to other launches. Stewards will receive a mandatory two-day training prior to beginning work at their assigned sites. We are currently seeking to fill launches within Chautauqua, Cattaraugus and Orleans Counties. **ASAP**

[Animal Keeper I](#)-Buffalo Zoo.

[Youth Programs Coordinator Job Description](#) www.ProvidenceFarmCollective.org Providence Farm Collective (PFC) is a non-profit organization established in 2019 with a vision of empowering just and equitable access to food and farmland! PFC provides underserved communities and individuals in Western New York with land to farm; business and farming education; affordable fresh produce; a place to share cultural farming traditions and the social, emotional and health benefits of nature. Summer Youth Internship Programs In partnership with the Buffalo Urban League/Erie County Summer Youth Employment Program (ages 14- 20) and Mayor Brown's Summer Youth Internship Program (ages 14-21), PFC teens have the opportunity to develop leadership and communication skills on various projects, while also serving their communities. Students are supported in their application for participation. Teens participate in farm to table responsibilities in the food system and tutoring responsibilities to promote the learning of younger siblings over summer.

[Education Assistants](#)-Buffalo Zoo, seasonal part-time. Education Assistants will rotate through a variety of locations within the Zoo, interacting with guests in fun, educational experiences. These experiences include interpretive talks in front of animal habitats and public encounters with education animal ambassadors (reptiles, insects, birds, and small mammals), Delta Sonic Heritage Farm animal contact areas, a new goat interactive experience, other engaging presentations, and education projects.

[Farm Crew](#)- Providence Farm non-profit.

[Markets Manager](#)- Providence Farm non-profit.

[Behavior Assistant](#)- Erie County SPCA, full-time.

[Behavior Assistant, Feline Lead](#)- Erie County SPCA, full-time.

[Educator 1 at Aquarium of Niagara](#)- 2 positions.

[Facilitator of Learning, Adolescence Education Focus](#)-Buffalo Science Museum, full-time

[Director of Environmental Stewardship and Sustainability](#)-Heart of the City Neighborhoods Buffalo, full-time.

[Iroquois National Wildlife Refuge Intern](#)- May 17 thru August 15. The individual selected for this position will work primarily with the Refuge staff in developing and conducting outreach, environmental education and interpretive

[LISC WNY Development Officer for Real Estate](#) - whose key responsibilities include program finance support and housing program support. Qualifications include a Bachelor's degree from an accredited college or university required; post-graduate degree is a plus, and minimum 5 years professional experience in community development, real estate, lending, finance or non-profit field. Deadline: **until filled**.

[LISC Assistant Program Officer](#)- Deadline: **until filled**.

[Heart of the City Director of Environmental Stewardship and Sustainability](#)- to lead the implementation of Phase 1 for the Green Infrastructure Workforce Development Program. Deadline: **until filled**.

programs around the Refuge's Visitor Services programs and Buffalo Urban Wildlife Refuge Partnership. **Apply now**.

[New York Forest Owners Association Executive Director](#)- This seasoned leader not only understands the key elements of sound forest management techniques for the private woodlot owner, but has proven experience translating a vision into

practical applications, accessible to our membership. Above all, the executive director will be comfortable in a leadership role that demands clear communication and decisiveness. The executive director will have a contractual relationship with NYFOA, provide their own office space and equipment, follow a flexible work schedule, and commit to a minimum of 1,000 dedicated hours per year to NYFOA activities. Deadline: **until filled**.

[Compost Operations Manager](#)- Full-time. EcoVerde Organics seeks candidates to fill FT role of Compost Operations Manager. Key responsibilities: 1) Plan, manage, and supervise the compost operation, including waste/feedstock collection, hauling and depackaging; 2) Operate heavy equipment and vehicles; 3) Supervise crew, ensuring safety; 4) Record keeping and scheduling; 5) Perform other duties as assigned. Open until filled.

[Paid Internships in the Energy Sector in NY](#)- By participating in New York State's Clean Energy Internship Program, you will gain hands-on experience in the growing clean energy sector as either a part-time or full-time paid intern in one of many potential roles. Through the program, you'll get the opportunity to work at companies that are helping combat climate change including energy efficient product manufacturers and installers, wind and solar developers, and even businesses that work in the alternative transportation sector such as electric vehicle and charging station companies.

[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.

[Asha Farm Sanctuary Interns](#)- Asha's Farm Sanctuary provides a hands-on learning experience for students enrolled in colleges, universities and trade schools.

Citizen Science

[Become a Water Reporter](#)- Download the App and record signs of water pollution, plastic debris or wildlife issues.

[Earth Challenge 2020](#)

[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 tree.

[Citizen scientists: Help with BioBlitz on Buffalo's Outer Harbor](#)- Be a citizen scientist and help the Pollinator Conservation Association with its BioBlitz through Dec. 1 on the Outer Harbor in Buffalo. Help to discover and identify flora and fauna there to improve conservation planning for future projects.

[Other Citizen Science Programs](#)

Upcoming Community Activities:

****Many in-person scheduled events are still canceled or may be announced if situations improve. Updates for any new events will be posted to www.daemen.edu/enviro-news, if restrictions to events are lifted.**

Saturday, May 1

Earth Day in May / I Love My Park Day-Keep the Earth Day spirit alive by caring for Reinstein Woods' trails on I Love My Park Day. Small groups will venture out to work on projects throughout the day. Scouts and other organizations are welcome, but please note that large groups will be split into multiple parties that may have different start times. Masks and social distancing are required. Online registration will open in late March; check www.reinsteinwoods.org/events for more details.

10th Annual I Love My Park Day!- Visit Parks & Trails New York website: www.ptny.org/ilovemypark for up-to-date information, or follow Niagara Region Park Programs Office on Facebook.

Ornithological Field Trip - Tiff Nature Preserve, 1200 Fuhrmann Boulevard, Buffalo, NY 14203 ([map](#)) Meet at 7:30am on the bridge just past the Visitor Center. Leader: Seaghan Coleman (716-435-7753 or seaghanc@gmail.com). This trip will focus on newly arrived neotropical migrants as well as lingering waterfowl and sparrows. Tiff holds the distinctive honor of having the highest number of species recorded on premises in our region - over 250! The list of highlights is long and includes Kentucky, Connecticut and Yellow-throated Warblers, Summer Tanager, Sedge Wren, Barn Owl, Yellow-crowned Night-Heron and so much more. We will hike the trails in search of early-arriving warblers, thrushes and other long-distance migrants as well as look over the marsh for rails and bitterns. If we are lucky, we may see late migrant raptors. This will be an easy walk over level ground and boardwalks, possibly muddy trails. The trip will span the morning hours so make sure to bring snacks and something to drink.

Spring Into Nature: Sing, Fly, Soar, Like a Bird!-9am to noon or 1 to 4pm at Iroquois National Wildlife Refuge. www.eventbrite.com/e/spring-into-nature-sing-fly-soar-like-a-bird-registration-144667052047 Join us for a pared-down and pandemic-friendly version of our annual spring festival. Visitors will get to participate in a variety of nature-related activities. There will be activities for all ages, including sunflower seed feeder construction, track casting, a guided hike, pollinator planting, fisheries discoveries, origami, sun art projects, feather ID, and archery and fishing games. You must register to participate. There are two sessions, morning and afternoon. Each session will be broken into groups of 10 and each group will cycle through all activities. Social distancing will be maintained throughout. Masks are required when in buildings or when social distancing cannot be maintained. Parking and all activities are free! There are limited tickets

Volunteers for North Tonawanda Botanical Garden Workday- [North Tonawanda Botanical Garden](#), 1825 Sweeney St., North Tonawanda. 9 a.m. to noon (unless there are thunderstorms). For more information, contact (716) 692-0237 or ntbgo@hotmail.com.

Wild Earth-11am to 4pm at Hawk Creek Wildlife Center, 1963 Mill Rd., West Falls, NY 14170. Hawk Creek is THE place to experience the WILD! Refreshments, gift shop, flying bird show, wild cat chat and activities for all ages. Event parking is FREE and tickets are \$15 for adults, \$13 for veterans and seniors, \$9 for children, and \$35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or [online](#). Please visit www.hawkcreek.org for info and directions. Event is rain or shine.

Early Morning Birding Hike-8 to 11am. Join Audubon Naturalist Tom Kerr for an early morning hike at Beaver Meadow. Spring has arrived and dozens of songbird species are beginning to arrive on their summer nesting grounds. We'll find as many as we can in the different habitats of Beaver Meadow! \$10 Non-Members/\$8 BAS Members. [Click here](#) to register.

Signs of Spring: Wildflower Walk-1 to 2:30pm. Explore Long Trail and Backwoods Loop at Beaver Meadow for spring ephemerals! An ephemeral plant is one marked by short life cycles. We'll find as many as we can and learn a little bit about each quickly fading beautiful flower! \$10 Non-Members/\$8 BAS Members. [Click here](#) to register.

The Sky Dance of the American Woodcock-7:50pm. Join Ranger Stephanie and witness the mesmerizing sky dance of the American Woodcock. This bird is usually extremely hard to find; however, once a year it puts on a magnificent show for all to see and hear. Learn why they perform this elaborate sky dance and more unique facts about this amazing bird. This will be the very first night program led by our Parks Rangers. We will be meeting approximately 30 minutes before sunset and the program will last until shortly after full dark. This is the period when the male American Woodcock should be performing its courting ritual. Park: Sprague Brook Park, Meet Location: Veterans' Memorial Pond, Address: 9674 Foote Road, Glenwood, NY 14069. [Register](#).

Volunteer with The Tool Library and partners-10am in the University and Masten Districts. Get more details and [sign up here](#).

Spring Wildflower Walk at the Niagara Escarpment Preserve -11am to 1pm. Join ecologist Erin Redding on a walk through the lovely Niagara Escarpment Preserve in Lockport in search of spring wildflowers. Located on the Niagara Escarpment, this 36-acre property is part of the unique geological formation that is associated with unusual plants and ecological communities. The property is home to several interesting woodland plants and 10 acres of restored grassland habitat. [LEARN MORE & REGISTER](#)

Sunday, May 2

Birding with the B.O.S.-8 to 10am on [Evangola State Park](#). Join the NYS Parks and the Buffalo Ornithological Society for a fun morning of birding! This is a great chance for beginning birders to learn the hobby! *For information and registration call (716) 549-1050.*

Flowers n' Ferns-12:30 to 2pm at [Evangola State Park](#). Spring flowers are blooming, and ferns are unfurling, a hallmark of the season. Come enjoy this spectacular event which lasts for only a few short weeks. *For information and registration call (716) 549-1050.*

Ornithological Field Trip: Evangola SP for Migrants-10191 Old Lake Shore Road, Brant, NY ([map](#)). Meet at 8:00 am in the parking lot at the Bathhouse (the big brick building in front of the swimming beach). Leader - Matthew Nusstein (Matthew.Nusstein@parks.ny.gov; 716-446-3376). Join Matt, the park naturalist, for a 2-hour hike for newly arrived migrants. Sited along the Lake Erie Shore, Evangola State Park boasts an eBird checklist of 146 species of birds and has hosted such rarities as White Ibis, Wood Stork and Yellow-throated Warbler! Local breeding birds include Eastern Bluebird and Red-headed Woodpecker.

Virtual Gardening 101-10 to 11:30am. Love the idea of growing your own fruits and veggies to eat and preserve, but don't know how to get started? A green thumb and acres of land aren't necessary to make that experience a reality. Patio pots and hanging baskets, raised beds, or in-ground gardens can all bring you a bountiful harvest, it just takes a little planning. Join RIT professor Sandi Connelly to discuss the space you have available to garden in, how you can maximize that space, and how the results can put canned goods on your shelves for the winter. This class will take place online through Zoom. All registrants will be sent a meeting link the night before the event. The fee is \$15 general admission and \$12 for museum members. [Register here](#).

Wild Earth-11am to 4pm at Hawk Creek Wildlife Center, 1963 Mill Rd., West Falls, NY 14170. Hawk Creek is THE place to experience the WILD! Refreshments, gift shop, flying bird show, wild cat chat and activities for all ages. Event parking is FREE and tickets are \$15 for adults, \$13 for veterans and seniors, \$9 for children, and \$35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or [online](#). Please visit www.hawkcreek.org for info and directions. Event is rain or shine.

Sunday Morning Hike-9am. The Ranger led Sunday Hikes are an opportunity for you to get out and explore the extensive trail networks available in many of our parks. Each week a Ranger will lead a 2-3 hour exploration with the intent of getting off the main trails and exploring some new trails. Park: Boston Forest, Meet Location: Rice Hill Road Lot, 5546 Rice Hill Road, Boston. [Register](#).

Monday, May 3

Nature's Best Hope-10 to 11:30am. Recent headlines about global insect declines and three billion fewer birds in North America are a bleak reality check about how ineffective our current landscape designs have been at sustaining the plants and animals that sustain us. In this webinar, Dr. Doug Tallamy will discuss simple steps that each of us can (and must!) take to reverse declining biodiversity and will explain why we, ourselves, are nature's best hope. Dr. Doug Tallamy is a professor and author in the Department of Entomology and Wildlife Ecology at the University of Delaware. This webinar is hosted by CWC and co-sponsored by the Canandaigua Lake Watershed Association. The webinar is free and will be held virtually. Use this link to join us via Zoom: <https://us02web.zoom.us/j/87177245120>.

Slow Roll Buffalo- 6:30 pm. [Season-Opening Ride](#), Big Ditch Brewery 55 E Huron St, Buffalo. Slow Roll Buffalo returns for another six-month season of weekly free and inclusive community bike rides, opening downtown from Big Ditch Brewing! We will continue to adapt to current conditions - while the ride will pick up where it left off last year, requiring masks and splitting into groups with staggered start times as needed to stay well under the limit on public gatherings, our Buffalocal afterparty will return with emphasis on supporting local businesses. Support both Big Ditch and Slow Roll the day of the ride by placing to-go orders ready for pick up before or after using promo code SLOWROLL at checkout, or purchasing beer to-go after the ride at a special Slow Roll outdoor point of sale along Ellicott Street: www.big-ditch-brewing-company.square.site As usual, our roundtrip ride will span 10 miles with 2 stops to regroup and learn about different parts of Buffalo, guided by Slow Roll's trained squad of volunteers and accommodating all skill levels. Each ride has a unique route and theme illuminated throughout the week in advance both online and along the route, as our squad canvasses the community and street conditions. [RSVP Now](#) Free

Tuesday, May 4

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [spring-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

Sustainable Brewery Summit -Rochester Institute of Technology's New York State Pollution Prevention Institute (NYSP2I) is hosting from 1 p.m. – 3:30 p.m. (EDT). The two-part virtual event (second part on May 11) will discuss sustainability and pollution prevention best practices for the brewing industry and others interested in microbrewing. [Register now!](#)

Planning Your Pollinator Garden - 4-5 p.m. Gardeners and pollinator enthusiasts throughout the Adirondacks are invited to participate in an online series of Pollinator Happy Hours hosted by AdkAction's Adirondack Pollinator Project this spring. Each Pollinator Happy Hour will begin with a discussion on the main topic with a featured guest, followed by an open forum for attendees to ask questions and share their experiences of creating and maintaining pollinator-friendly habitat. All questions are welcome and anyone can attend. Prior to each Pollinator Happy Hour, organizers will share recipes for pollinator-themed beverages that participants can make to sip during the event. [Register online](#).

Ecological Approach to Forest Stewardship: Ecology and History of Northeast Forests- 6 to 7:30pm. Free webinar. [Register](#).

Annual Tuesday Evening Stress Reducer Paddle-6:00 pm - 8:30 pm. This is Path, Peaks and Paddles 17th year enjoying our Tuesday Evening STRESS Reducer Paddle on Ellicott Creek! Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Wednesday, May 5

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Gardening for All Seasons: Kitchen Gardens-6:30 to 7:45pm. Join us to learn about May garden tasks and what to look for in your May landscape. [Register](#). Free.

Webinar: Beauty and Biodiversity at Cornell's Mundy Wildflower Garden-12 to 1pm. Please join Krissy Boys for a comprehensive virtual field trip of four discreet sustainable landscapes within the Mundy Wildflower Garden at the Cornell Botanic Gardens. This virtual field trip includes: the specialist bee pollinator garden; the flood plain forest; the deer enclosure; the native lawn; and the stream bank restoration.

[Read more and register](#)

USGBC NY Upstate Community Sip and Celebrate- 9–10 a.m. Join us with your favorite morning coffee, tea or hot chocolate to sip and celebrate 2020! There have been over 80 projects LEED-certified in our community. We will take a few minutes to recognize some and their teams that have made the project a success. We'll also introduce the 2021 MLAB and talk briefly about plans for the year. No fee but, registration is required. [Register](#)

Make it Your Business: Harness the Power of the SDG's-The 2021 WNY Sustainable Business Roundtable Summit will introduce the framework of the United Nations Sustainable Development Goals (SDG's); what they are, why you should care and how the SDG's can create value when they are used as a strategic north star in guiding direction and sustainability work. The summit on May 5-6 **2 to 5pm** each day features keynote talks and smaller group sessions online. This isn't just another Zoom call. [Remo](#), the digital conference platform for the 2021 Summit, is about interaction. Join us to listen, learn and exchange ideas on sustainability trends and the changes your business faces. Registration, the keynote panels, summit program overview and confirmed speakers are available on the summit page: <https://www.wnysustainablebusiness.org/2021-summit>.

GBNRTC Meeting-9:30AM, GBNRTC PCC meeting will be broadcast live for public viewing on GBNRTC's Facebook Page [facebook.com/GBNRTC](https://www.facebook.com/GBNRTC). You may watch the live stream at this link, whether or not you have a Facebook account. However, in order to leave a comment on the Facebook Live video, you will need a Facebook account. You can also send any questions or comments to staff@gbnrtc.org

Soil Health and Composting Workshop-11am to 12:30pm. Join NCAT's Nina Prater and Matt Casteel of Wurmworks, a worm composting (vermicomposting) business in Mississippi, for a virtual Soil Health and Composting workshop May 5 from 10:00 to 11:30 a.m. CST. Nina will discuss the importance of soil health for all farms and how to build soil health. Matt will be presenting on the value of compost, vermicomposting, and how it can help the soil. There will be time for questions from participants, so bring all your soil and compost-related questions for Nina and Matt! The workshop is free, but pre-registration is required. Click [HERE](#) to register. After registering, you will receive a confirmation email containing information about joining the meeting. This workshop is supported by USDA's Natural Resources Conservation Service and The Piney Woods School.

Beekeeping Class: Hive Inspections- 6 to 7pm. [Register](#). Masterson's Garden Center, Inc. ([map](#)). We know we're supposed to "inspect" our bee colonies. But what in the world are we looking for and looking AT? We remember our first visits to the hive, and we remember feeling a bit overwhelmed. This class will cover the whys and the hows of hive inspections. We'll share with you our tips and tricks for ensuring a peaceful visit to your hive, as well as share our list of things that we are looking to discover when we open our hives up.

Thursday, May 6

Supporting Pollinators Over Time: How to Maintain Wildflower Diversity-1:00 PM - 2:30 PM EST, Webinar. Integrating habitat onto farms and other landscapes can support pollinators and the pollination services they provide. However, flower-rich plantings often require ongoing management to maintain wildflower diversity for pollinators over time. Come learn about a framework for selecting the most appropriate management techniques, and learn how landowners we work with are managing their pollinator plantings. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. [Click here](#) for more information and to register.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. [Register](#)

Make it Your Business: Harness the Power of the SDG's-The 2021 WNY Sustainable Business Roundtable Summit will introduce the framework of the United Nations Sustainable Development Goals (SDG's); what they are, why you should care and how the SDG's can create value when they are used as a strategic north star in guiding direction and sustainability work. The summit on May 5-6 **2 to 5pm** each day features keynote talks and smaller group sessions online. This isn't just another Zoom call. [Remo](#), the digital conference platform for the 2021 Summit, is about interaction. Join us to listen, learn and exchange ideas on sustainability trends and the changes your business faces. Registration, the keynote panels, summit program overview and confirmed speakers are available on the summit page: <https://www.wnysustainablebusiness.org/2021-summit>.

Raised Bed Basics-[Genesee County Master Gardeners](#) will hold another year of Garden Talk from noon to 12:30 p.m. Thursdays. [Register for this talk here](#). Check out [their YouTube page](#) for previously recorded gardening programs.

Sustainable Design through Daylighting-2pm. During this [webinar](#), we'll discuss daylighting strategies available through the integration of structural sandwich panels, energy conservation, enhancements, options, form and aesthetics. The many benefits to health, productivity, safety and sustainable design will be discussed, as well as specialty applications including explosion venting, blast resistance, OSHA fall through protection and hurricane resistance. [Register](#) and you can also receive the recording after it goes live.

Evening Birding Hike at Ellicott Creek Park-6:30 to 8:30pm. Spring migration is underway and the birds are returning to their summer nesting grounds! Join Audubon Naturalist Tom Kerr for an evening birding hike in Tonawanda's Ellicott Creek Park. Binoculars are available. Meet at parking lot near Creekside Drive entrance. Donations are gratefully accepted. [Click here](#) to register.

Saving our Trees: Preventing Foreign Pests-7pm. [register at EventBrite](#). Imported forest pests are one of the biggest threats facing our nation's trees. When we lose trees, we lose the services they provide, from filtering air pollution and reducing flooding to cooling neighborhoods, providing wildlife habitat, and storing carbon that would otherwise contribute to climate change. Destructive insects and diseases enter the US via international trade, either in wood packing material or among live plants. Recent arrivals include: the emerald ash borer, Asian longhorned beetle, and spotted lanternfly. The panel discussion will explore the history of the imported forest pest problem, recent challenges, the economics of the issue, the role of horticulture and international shipping, and policy and management solutions.

Climate Change and Community Forest Programs - 12 p.m. – 1:15 p.m. - Join NYS ReLeaf’s Hudson Valley committee for a webinar on Climate and Community Forest programs – ways to implement your vision. This lunch time webinar will introduce you to programs that can help your community get climate smart and prepare your community forest for the future. Angelica Patterson (master science educator, Black Rock Forest and PhD candidate Columbia University) will talk about how plants are responding to warming climate and the factors driving climate-induced tree migrations, while Andy Hillman (arborist, urban forestry consultant, NYS Urban Forestry Council) will present a selection of trees from other regions evaluated for the northeast and the importance of considering hardy cultivars for future climates, and Dazzle Ekblad (Climate Change Office, NYS DEC) will introduce the Climate Smart Communities program and how to get started with Climate Smart programs in your community. Registration is free but required. [Register on Webex](#).

Town Meeting on Amherst Agriculture and Farmland Protection Plan-7pm. Virtual. A brief presentation followed by questions and answers. <https://zoom.us/j/86119729697>

Forest Bathing Outdoor Workshop- 6:30 PM - 8:30 PM. Tiff Nature Preserve. Breathe in, breathe out... Enjoy a quiet evening unplugged as we explore the rising popularity of “forest bathing” and mindfulness through guided meditative activities on the trails and take-home resources. Ages: 18+, Cost: \$15 per participant (BMS Members save 10%). [Purchase Tickets](#)

Addressing the Climate Crisis with Green Housing for All- 1 to 2pm webinar. US cities are faced with compounding climate and housing crises. How can communities meet their housing needs while mitigating and adapting to the impacts of climate change? By creating green housing affordable for all, cities will contribute to the health and well-being of residents, their communities, and the planet. Considering both systemic questions and action-oriented strategies, the speakers will discuss green building processes and principles that can be incorporated into housing design, construction, rehabilitation, and operation. Dana Bourland, author of *Gray to Green Communities: A Call to Action on the Housing and Climate Crises* and Kimberly Vermeer, co-author with Walker Wells of *Blueprint for Greening Affordable Housing*, will illustrate that delivering on the human right to housing and combatting the climate crisis go hand-in-hand. Each will discuss the intersection between equity, housing, and sustainability. After the authors present key ideas from their books, the moderator, Dawn Phillips, will lead a discussion between the authors and the audience. Panel: • Dana Bourland, Vice President for the Environment at the JPB Foundation • Kim Vermeer, LEED AP Homes, President of Urban Habitat Initiatives Inc. Moderated by Dawn Phillips (He/Him) – Executive Director of Right To The City Alliance. [Register](#).

SCEPA's Economics of Climate Change project- 12:30pm. Directed by Professor Willi Semmler , will discuss what new climate policies must be part of the global Covid-19 recovery plans to ensure better pathways to a low carbon economy. Experts from the International Monetary Fund (IMF), the World Bank, and the Observatoire français des conjonctures économiques (OFCE), the French Economic Observatory, and a renowned economist of the London School of Economics will discuss topics like; to what extent current climate policies, such as a carbon tax, are insufficient for climate protection, whether the financial market is a roadblock or bridge to a greener economy, and which monetary and fiscal policies would further the green transition while keeping sovereign debt sustainable. [Register](#).

Friday, May 7

Jane’s Walk: The West Side, Buffalo’s Crossroads of America-Led by Russell Davidson, 12PM -1:30PM (lunchtime walk). [Click Here for More](#)

What’s Bugging You First Fridays: Rolling out the red carpet for good bugs in your garden. IPM Minute: Scouting for spotted lanternfly egg masses. - noon to 12:30pm, a new virtual series on practical solutions to pest problems, is being held by [Cornell Cooperative Extension Chautauqua County](#) in partnership with the [New York State integrated Pest Management Program](#). See [details and registration information here](#) or call CCE Chautauqua at 716-664-9502.

“Fry” Day Fishing-Kids (4-14 years old) can join an Erie County Park Ranger on Friday evenings to learn the basics of fishing. In addition to fishing, participants can learn about fish identification, fishing equipment and techniques, knot tying, angling ethics, and aquatic ecology. Fishing poles will be provided but this program is limited to 10 kids, due to equipment limitations. **Parents must stay on site and supervise their children.** Parents do not need a fishing license for this program. Time: 6:00pm, Park: Sprague Brook Park, Meet Location: Shelter #1, Address: 9674 Foote Road, Glenwood, NY 14069. [Register.](#)

Totally Toads- 7 to 8:30pm at [Evangola State Park](#). Take a chill pill and listen as some bodacious *Bufo Americanus* males utter gnarly trills! For sure, we’ll check out some tubular egg masses so don't miss this toad-ally tripendicular event! *For information and registration call (716) 549-1050.*

Saturday, May 8

Mother’s Day Walk -10am. Celebrate all caregivers on this guided walk as we search for new life and discover how young plants and animals survive. Reinstein Woods Nature Preserve, Depew. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Basic Tree Identification-1 to 3pm at 1815 Sharrick Rd., Darien at Drave’s Arboretum. Our Basic Tree Identification course is a two-hour program with William Snyder and Thomas Draves that includes classroom and field instruction. This course reviews the basic elements of woody identification including evaluating tree silhouette, leaf shape, and branching structure. Attendees will have hands-on instruction identifying woody tree species using terminal and lateral buds, leaf scars, bark, pith, and other features that can aid in the identification process throughout the seasons. **Seats are limited for this event. Registration required.**

Register and pay online: <https://www.dravesarboretum.org/event.../basictreed>

Field Trip: Tillman WMA-10101-10369 Tillman Road, Clarence, NY 14031 ([map.](#)) Leader: Alan Baczkiewicz (716) 633-9303, alanboos@roadrunner.com. Meet at 8:30am in the parking lot near the intersection of Tillman and Shisler Roads (see map link above). Join Alan for a half day walk through the Tillman Wildlife Management Area. This 239-acre preserve offers roadside access to marsh on both sides of Tillman Road, a 300 foot boardwalk, and approximately 2 1/2 miles of trails to walk. We will focus on seeing the locally rare Upland Sandpiper and Grasshopper Sparrow. These species nest in the grassland portion of the preserve. Other species of interest include Bobolink, American Kestrel and Eastern Meadowlark. We will also take a walk through the wooded portion of the preserve for neotropical migrants. The wetlands host Sora and Virginia Rail, both of which have nested here in previous years. Bring bug repellent for the mosquitoes! Our trip will commence from the parking lot as we explore the southern area of the preserve, including the marsh, and then the group will relocate to the northern end to finish our trip.

Birdathon-Join Buffalo Audubon for an all-day Birdathon! Register yourself or a team and take part in our annual fundraising event! Show off your love of birding with a Buffalo Audubon Birdathon T-Shirt! \$20 per person to register. [Click here](#) to learn more!

Fun Facts with Kelly: Wetlands & Wildflowers-4:30 to 6pm. [Wilson Tuscarora State Park](#). Join us as we adventure along the wetlands. Enjoy patches of wildflowers amidst the meandering marsh. *For information and registration call (716) 282-5154.*

Niagara Frontier Botanical Society field trip-9:30am to possibly see spring ephemerals at Como Park, 2220 Como Park Blvd., Lancaster. Years ago Como Park was renowned for its spring ephemerals, especially white trout lilies along the lake, but invasive lesser celandine has been overrunning the native plants. We will see if we can find any remaining native plants, and also explore sections of the park away from the lake. Those wishing to participate in a field trip MUST contact the trip leader to confirm whether field trip will occur as scheduled. Guests welcome. Contact J. Schlegel, leader, at 835-6042. Directions: Route 20 (Broadway) past Lancaster City Hall, right on Lake, left on Como Park Blvd, left on Quincy and into the park. Meet at first parking lot on right.

From Warblers to Wright- 9 to 11am. Delaware Park and the Martin House. Take a Delaware Park stroll during peak songbird migration and seek colorful warblers. Then enjoy an optional Martin Home tour for half price, \$10 a person! *For information and registration call (716) 549-1050.*

Volunteer with The Tool Library and partners-10am in the University and Masten Districts. Get more details and [sign up here](#).

Beehive Inspection Class- 11:00 AM – 1:00 PM or 2-4pm, Kin Loch Farmstead, 4299 Ridge Rd, Lockport, NY 14094, USA. Calling all beekeepers who are looking to advance their skills and learn how-to inspect their hive(s). Tara and Jeff Hahn of Hahn's Honeybee Haven will be teaching this hands-on class. \$35.
<https://www.kinlochfarmstead.com/event-details/beehive-inspection-class-more-classes-added>

Intro to Raising Backyard Chickens-noon to 2 p.m. Saturday, May 8 at [Buffalo Niagara Heritage Village](#), 3755 Tonawanda Creek Rd., Amherst. Chickens have a lot of personality and are extremely fun to raise. So whether you love the idea of a self-sufficient pet, want to opt-out of the factory-farming system, or just can't resist those adorable, fluffy chicks, there are a lot of reasons to raise chickens. The workshop will discuss chick care, housing, predator protection, and chicken quirks. The registration fee is \$20. [Click here to register](#).

Jane's Walk Buffalo-10am to noon. Join us for a tour of Hamlin Park. A beautiful neighborhood, filled with tree-lined streets and large number of architecturally interesting and significant homes. Learn more about its history as a Carriage Driving Park which was transformed into a residential neighborhood in the late 19th century. In 1999 Hamlin Park was designated an "Historic District," the largest African-American community in the nation to be so cited. The tour will begin at 60 Hedley Place, home to the Hamlin Park Taxpayers Community Association, a vibrant community group that advocates for neighborhood preservation. Led by: Dr. Mary Rockwell, Director, New Buffalo Institute, Canisius College. 60 Hedley Place in Hamlin Park. [Register](#).

Jane's Walk Buffalo- 1 to 3pm. This walk will provide an introduction to the resurgence that has been taking place on historic Grant Street in the past 10 years. Led by:Carolynn Welch and Bonnie Smith of WEDI Meeting place: Jacqueline Vito LoRusso Alumni & Visitor Center; 667 Grant Street, Buffalo, NY, 14213. Scope: We will walk from south of Buffalo State College to the West Side Bazaar at West Ferry Street. [Register](#).

She Walked Here with the Buffalo-Niagara LBGTQ History Project: Jane's Walk- 4 to 6pm. Based on the groundbreaking history *Boots of Leather, Slippers of Gold*, this 3-mile walking tour will examine the ways lesbians shaped Buffalo's public spaces from the 1930s through the early 1960s. We will also explore how urban renewal policies affected lesbian space in the 1960s, laying the groundwork for a more confrontational gay rights movement in the 1970s. **Meeting Place:** In front of Central Library (1 Lafayette Square, Buffalo). [Register](#).

Birding at Eshelman-8:30 am- Program length: 2 hrs. If the sweet melodious trills of songbirds is music to your ear, you will not want to miss this bird walk through the wetland and scrub areas of Pfeiffer Nature Center's Eshelman Preserve. A well-known location for regional birders, the preserve hosts a multitude of migratory and resident birds. Visitors may see and/or hear dozens of species that frequent the area as they walk along grassy, gentle trails. The guided walk starts in the parking lot and will be led by Tim Baird, President of the Cattaraugus County Bird Study Club. The group will slowly walk through the property noting what they see and or hear. Please bring binoculars if you have them. This activity is free and open to the public. Minors must be accompanied by an adult. Location: Pfeiffer Nature Center, Eshelman Preserve, 1420 Yubadam Rd, Portville NY. Because of COVID safety measures, social distancing and masks covering your mouth and nose are required. Reservations are appreciated by e-mailing: naturalist@pfeiffernaturecenter.org or calling the office 716-933-0187. Pfeiffer Nature Center is supported by United Way Funding. Pfeiffer Nature Center where science, art & nature come together.

Household Hazardous Waste (HHW) Collection Event -free, by timed appointment from 8am to 1pm in the Southtowns. [Register](#)

Fancy Feathers: Buffalo Zoo- 1:00 pm – 2:30 pm, virtual program. Help us celebrate World Migratory Bird Day with a workshop focused on our feathered friends. We will learn about the wonders of flight, how to identify local birds, and ways we can help birds in our own backyards. [Register](#).

Breeding and Migrating Birds of the College Lodge Forest-9:00-11:00 A.M. Join us for a delightful walk through the College Lodge Forest in search of the rich diversity of bird species that raise their young on this property, or pause here to feed and rest on their marathon spring migrations. [LEARN MORE & REGISTER](#)

Spring Wildflower Walk at the College Lodge Forest-11:00-1:00. Explore nature and learn all about spring wildflowers at the wonderful, diverse College Lodge Forest with ecologist Priscilla Titus and SUNY Fredonia biologist Jon Titus. [LEARN MORE & REGISTER](#)

Sunday, May 9

Sunday Stroll in the Park-1 to 3pm. [Niagara Falls State Park](#). Start your week with a walk at Niagara Falls! Experience spring's beauty and hear stories of the oldest state park! *For information and registration call (716) 282-5154.*

Save our Scajaquada with Buffalo Niagara Waterkeeper-10am to noon. Scajaquada Creek is a significant waterway in Buffalo History, but today it is one of the most degraded in the region. It has been abused by generations of urban development – stripped of its wetlands, polluted by heavy contaminants, sewage, plastic and other household chemicals, channelized and rerouted, covered by a highway, and buried underground. Join Buffalo Niagara Waterkeeper for a walk along the Scajaquada Creek path to discuss this history, current health, and explore what the future could hold for the creek and surrounding communities. We will begin at the Peter Street Park and walk along the Jesse Kregal Trail to the mouth of Scajaquada Creek at Niagara Street. **Led by:** Lauren Darcy, Ecological Planner, **Meeting Place:** Peter Street Park (1 Peter St, Buffalo, NY 14207 – approx. 42.937990, -78.886764), **End Place:** 1660 Niagara St. [Register](#).

Peace Walk Discovery Trail-4 to 6pm. Experience the *Peace Walk Discovery Trail*, a mosaic art project on Unity Island along Buffalo's Shoreline Trail. Only a few minutes west of and parallel to Niagara Street runs the newly improved shoreline trail north, along the Niagara River. This mosaic art project won the City of Buffalo's competition in 2016 and was realized in 2017. Learn about some of the local history of that stretch between Broderick Park and Unity Island Park, how it was a last stop of the Underground Railroad (UGRR), how Native Americans interacted with the island. Hear about artist Cornelia Dohse-Peck's vision for *Peace Walk Discovery Trail*, the symbols used and how this public art project came to be. **Led by:** Walk will be led by artist Cornelia Dohse-Peck (Visual Artist) and by Will Peck, collaborator and husband, who worked together on this public art commission. **Meeting place:** at the north end of Broderick Park near the fish consumption signage; near the Riverwalk connection. How to get there: go west on West Ferry and continue over the bridge onto Unity Island, turn right and find parking. [Register](#).

Sunday Morning Hike-9am. The Ranger led Sunday Hikes are an opportunity for you to get out and explore the extensive trail networks available in many of our parks. Each week a Ranger will lead a 2-3 hour exploration with the intent of getting off the main trails and exploring some new trails. During these hikes you can expect to get out and moving, to learn some new trails & hiking safety tips, and although these aren't intended to be a traditional nature hike, the Rangers can't stop talking about the natural world, communities, species, and features they come across. Park: Emery Park, Fieldhouse, 2084 Emery Road, South Wales, NY 14139. [Register](#).

Walk with Mother Nature- 2:00 PM - 3:30 PM. Celebrate Mother Nature with a guided afternoon stroll on our beautiful nature trails in search of the budding signs of Spring! Ages: All Ages, Cost: \$7 per participant (BMS Members save 10%). [Purchase Tickets](#)

Monday, May 10

Slow Roll Buffalo- 6:30 pm EDT, [Slow Roll at The Terrace at Delaware Park](#), RSVP online. The Terrace at Delaware Park 199 Lincoln Pkwy, Buffalo

NOAA Great Lakes Webinar: Climate and Water Levels in the Great Lakes - 1pm. As a follow up to quarterly webinars last year, NOAA in the Great Lakes will be providing a spring update to its Great Lakes Climate and Water Levels Outlook webinar. Register

at: <https://attendee.gotowebinar.com/register/1599800828132162573>

To learn more and view past recordings, visit: <https://www.regions.noaa.gov/great-lakes/index.php/2020-great-lakes-water-levels-webinar/>

Tuesday, May 11

Spring 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [spring-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

Reaching Youth's Full Potential – Youth Development & Nature Workshop-1 to 3:30pm, free. Intentional integration of youth development with nature experiences amplifies the benefits of each and produces new outcomes for youth to reach their full potential. Join the Children & Nature Network to explore effective practices to map your organization's progress toward achieving positive youth development outcomes through quality nature engagement. The Youth Development & Nature Workshop and Cohort made possible by the National Recreation Foundation. [REGISTER](#)

Intro to Food Preservation & Dehydrating-5:30pm. There are many reasons to preserve food at home including to preserve local seasonal flavors, support the local food system, eliminating food waste, and to be self-reliant. Learn about the different ways to preserve food at home and try your hand at preparing foods for dehydration and freezing.

Ecological Approach to Forest Stewardship: Threats to Northeast Forests- 6 to 7:30pm. Free webinar. [Register](#).

Sustainable Brewery Summit -Rochester Institute of Technology's New York State Pollution Prevention Institute (NYSP2I) is hosting from 1 p.m. – 3:30 p.m. (EDT). The two-part virtual event (second part on May 4) will discuss sustainability and pollution prevention best practices for the brewing industry and others interested in microbrewing. [Register now!](#)

"Is Spring Out of Sync? Changing Seasons in our Changing Forests." - 7:30 p.m. Niagara Frontier Botanical Society. Mason Heberling will talk about his research on forest wildflowers and climate change. Mr. Heberling is Assistant Curator of Botany at the Carnegie Museum of Natural History in Pittsburgh, and also Adjunct Assistant Professor at the University of Pittsburgh. Link will be posted [here](#).

Annual Tuesday Evening Stress Reducer Paddle-6:00 pm - 8:30 pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Little Tykes on the Trails- 9:30 AM - 11:00 AM. Enjoy a morning of early childhood fun with an outdoor storytime, guided trail walk, and playful games to help foster the nature explorer in your child. Bring your own small snack to enjoy outdoors during a short snack break. Ages: Ages 3-5 with one adult, Cost: \$7 per child with adult(BMS Members save 10%). [Purchase Tickets](#)

Wednesday, May 12

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Webinar: The Journey of Edible Landscapes-12 to 1pm. Edible landscaping is the use of food-producing plants in the residential landscape. It can combine fruit and nut trees, berrying shrubs, vegetables, herbs, edible flowers, along with ornamental plants into aesthetically pleasing designs. These designs can adopt any garden style and may include anywhere from 1 to 100 percent edible specimens. [Read more and register](#)

NYS Food Donation & Food Scraps Recycling Law Webinar- 10 a.m. - 11:30 a.m., DEC is hosting a webinar providing updates on the NYS Food Donation and Food Scraps Recycling law. DEC will provide an overview of the businesses required to comply with the law, review the resources that will be made available June 1, 2021, and identify next steps for businesses. [Register now for the May 12th webinar.](#) Learn more about the [NYS Food Donation & Food Scraps Recycling law.](#)

Hamburg Garden Club- 10 a.m. at the VFW Post 1419, 2985 Lakeview Rd., Hamburg. Mary Brummer, a National Garden Club floral design instructor and flower show judge, will give a presentation and update on new floral design styles since 2017. Guests are welcome. If you are interested in attending the meeting as a guest, please make your reservation at lonabutler4@gmail.com

Financing Green Infrastructure: Best Practices from the Clean Water State Revolving Fund-1:00 - 2:30 PM, EDT, [Click here to register.](#) As one of the largest sources of public water quality financing in the United States, the EPA's Clean Water State Revolving Fund (CWSRF) program has the national reach and resources to expand the use of green infrastructure across the water sector. Since 2009, state CWSRF programs have provided nearly \$2 billion for green infrastructure. Virtually any project that manages, reduces, captures, or treats stormwater is eligible for funding. This webcast will feature speakers from EPA Headquarters, PENNVEST, and Capital Region Water in Harrisburg, PA. Attendees will learn how the CWSRF program is supporting green infrastructure at the national, state, and local levels by creating incentives for implementation and providing a permanent source of low-cost financing.

Offshore Wind Transmission-1 to 2pm webinar. Part of NYSERDA's *Learning from the Experts* series. Johannes "Hannes" Pfeifenberger with The Brattle Group will provide an overview of offshore wind transmission systems. Hannes is an economist with a background in electrical engineering and over twenty-five years of experience in wholesale power market design, renewable energy, electricity storage, and transmission. [Register.](#)

How We Can Protect Our Oceans, Livelihoods and Favorite Atlantic Seafoods-12 to 1pm webinar. From the northeastern United States along the Atlantic coast to the islands of the Caribbean, shellfish like Maryland oysters and Bahamian queen conch are delicacies on our dinner plates and mainstays of our ocean. These iconic species are symbols of the local way of life in marine regions where they are vital to supporting local communities, livelihoods and economies. Due to the pandemic-related decline in tourism and dining out, the Atlantic shellfish sector has suffered a dramatic downturn. Learn how The Nature Conservancy is working with fishers and local businesses to counter these impacts. We'll explore innovative solutions for ensuring that communities can continue to rely on the shellfish that sustains livelihoods and that people love to eat, knowing they are managed sustainably and harvested responsibly. [Register.](#)

Thursday, May 13

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. [Register](#)

Citizens Regional Transit Meeting- Public Meeting from 5:30 – 7:00pm. Zoom link: To Be Provided. "The Case for Transit: If not just for equity and economic growth? For the Planet!" <http://www.citizenstransit.org/>

Electrical Hazard Awareness Training - 9 a.m. - 12 p.m. - Join NYS ReLeaf's Finger Lakes Region committee for a virtual electrical hazard awareness training with Dr. John Ball. This virtual training program will be interactive and cover a range of safety-related topics essential for arborists working near energized overhead power lines. This workshop will provide a certificate of attendance in partial fulfillment of the OSHA and Z133 training requirements for arborists working 10 feet or closer to energized conductors. Registration is free thanks to the Finger Lakes Region ReLeaf committee. If you are a supervisor with staff attending the training who will need certificates but plan to do a group-viewing of the webinar, you must contact us in advance to coordinate certifying attendance. Registration is free but required. [Register on Webex.](#)

Evening Birding Hike at Amherst State Park-6:30 to 8:30pm. Spring migration is underway and the birds are returning to their summer nesting grounds! Join Audubon Naturalist Tom Kerr for an evening birding hike along Ellicott Creek in Amherst State Park. Meet at main parking lot. Donations are gratefully accepted. [Click here](#) to register.

Intro to Beekeeping-Buffalo Niagara Heritage Village from 6:30 pm to 8:00 pm. \$20. [Register.](#)

Friday, May 14

Insects of the Night -7:30pm. Some insects are much more active at night. We will discover the moths and other insects are attracted to UV lights and baited trees. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Moving Forward: Resiliency Through COVID - 9 a.m. - 12 p.m. - Join NYS ReLeaf's NYC Committee for presentations and break out room discussions on urban forestry in NYC through the last year, and how we can apply lessons learned to moving forward. This workshop will include two break out room sessions in which attendees will be grouped with 10-15 other attendees and a facilitator to discuss between presentations. Speakers include Susan M. Donoghue (president, Prospect Park Alliance and Prospect Park administrator), Adrian Benepe (president, Brooklyn Botanic Garden), and Sam Bishop (director of Urban Forestry and Education, Arborist, Trees New York). Registration is free but required. [Register on Zoom](#) (thanks to NYC Parks for hosting).

"Fry" Day Fishing-Kids (4-14 years old) can join an Erie County Park Ranger on Friday evenings to learn the basics of fishing. In addition to fishing, participants can learn about fish identification, fishing equipment and techniques, knot tying, angling ethics, and aquatic ecology. Fishing poles will be provided but this program is limited to 10 kids, due to equipment limitations. **Parents must stay on site and supervise their children.** Parents do not need a fishing license for this program. 6:00pm at Seneca Bluffs Natural Habitat Park, Meet Location: Main Parking Lot, 1670 Seneca Street, Buffalo, NY 14210. [Register.](#)

Saturday, May 15

Online Horticulture Classes - 11am-1pm, General Public - \$25 per class or \$125 per series, Members - \$22.50 per class or \$112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class.

<https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes>

Honorable Harvest- 2 to 3:30pm at [Earl W. Brydges Artpark State Park](#). Explore and experience local plant species through their origin stories and traditional uses. *For information and registration call (716) 282-5154.*

Flowers n' Feathers- 2 to 4pm at [Knox Farm State Park](#). With spring bird migration at its peak, and flowers at your feet, take in the wonderment of spring as we walk. *For information and registration call (716) 549-1050.*

Early Morning Birding Hike-8 to 11am. Join Audubon Naturalist Tom Kerr for an early morning hike at Beaver Meadow. Spring has arrived and dozens of songbird species are beginning to arrive on their summer nesting grounds. We'll find as many as we can in the different habitats of Beaver Meadow! \$10 Non-Members/\$8 BAS Members. [Click here](#) to register.

Volunteer with The Tool Library and partners-10am in the University and Masten Districts. Get more details and [sign up here](#).

Niagara Frontier Botanical Society field trip-9:30 a.m. in Village Green Park, 3007 Bowen Rd., Elma. This site has a historic sawmill and a nice variety of spring flora in wooded and creekside habitats. This is an easy walk—almost everything is close to the trail. The group hopes to find abundant white trout lilies and bladder nut in bloom. Meet at the Rite Aid parking lot on Union Road, West Seneca, just south of the exit from Rte. 400. Picnic tables are available—bring an optional lunch. Please call leader M. Siuta, 822-2544 to register.

Warbler Walk-9am. Search through Reinstein Woods during the warbler migration to find these colorful birds. Bring binoculars if you have them. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Field Trip: Amherst State Park-Location: 400 Mill St Buffalo, NY 14221 United States ([map](#)). Leader: Christina Rockwell Rockwell.christina@gmail.com (302) 530-9480. Meet at 7:30am in the parking lot located on the south side of St. Mary's Apartments. This will be a 1/2 day trip wrapping up around 11am. Please join Chris as she guides us through one of the premier migration hotspots in WNY. This easily walkable park is a pleasure to stroll through and can be very birdy. Last spring, gems like Worm-eating Warbler and Sedge Wren were recorded here. The eBird checklist for this location currently stands at 199 species and wouldn't it be fun to hit the 200 species milestone on Chris's trip?! The list of rarities found here over the years include Western and Summer Tanagers, Nelson's Sparrow, Worm-eating and Connecticut Warblers...even Long-eared Owls nested here one year! Late spring flights of Broad-winged Hawks occur when the winds are out of the SW.

Monday, May 17

The Climate Crisis and Invasive Species- 2pm webinar. Register and info at [The Climate Crisis and Invasive Species](#)

Slow Roll Buffalo- 6:30 pm EDT, Zone 1, RSVP online. <https://slowrollbuffalo.org/schedule/?v=7516fd43adaa>

Tuesday, May 18

Spring 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [spring-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

Lithium Battery Webinar Series: Overview of Lithium Batteries, Their Uses, & Recycling-1 to 2:30pm. Registration: <https://attendee.gotowebinar.com/register/2502539456157498637>

Virtual Gardening 101-7 to 8:30pm. Love the idea of growing your own fruits and veggies to eat and preserve, but don't know how to get started? A green thumb and acres of land aren't necessary to make that experience a reality. Patio pots and hanging baskets, raised beds, or in-ground gardens can all bring you a bountiful harvest, it just takes a little planning. Join RIT professor Sandi Connelly to discuss the space you have available to garden in, how you can maximize that space, and how the results can put canned goods on your shelves for the winter. This class will take place online through Zoom. All registrants will be sent a meeting link the night before the event. The fee is \$15 general admission and \$12 for museum members. [Register here](#).

Toddler Time: What is a Nest-10am at Beaver Meadow Audubon Center. Bird nests are so interesting to learn about. We'll read a story about nesting, examine some nests up close, and build nests of our own out of natural materials. Of course, a snack is also included! Ages 2-4 as a guideline. [Register](#).

Furthering Urban Forestry Programs through Grants and Partnerships - 10 a.m to 12 p.m. webinar. Join NYS ReLeaf's Leatherstocking Region Committee for a workshop on the power of grants and partnerships in furthering municipal urban forestry programs. Presenters will provide information on DEC's Urban and Community Forestry (UCF) Grant Program and the importance of engaging other interested organizations to help fund and foster a successful program in your neck of the (urban) woods. Urban Forestry Partnership Coordinator Christina McLaughlin will provide an overview of state and federal funding, along with advice and tips for improving your grant applications. City of Watertown Planner Mike DeMarco will discuss Watertown's experiences with DEC's UCF Grant Program and other local groups involved in helping to further Watertown's urban forestry program. Alana Tucker from the Arbor Day Foundation will talk about the importance of partnerships, and how to find and build connections. Registration is free but required. [Register on Webex.](#)

Container and Raised Bed Gardening- 7pm. The Master Gardeners of Cornell Cooperative Extension in Cattaraugus County is continuing its 2021 virtual [Gardening Series](#) .with two clases in May. The same content will be held on both dates. [Registration link](#) .Discover different methods to enjoy gardening in small spaces, including containers and raised beds. Discuss different techniques for building and managing these styles of gardens.

Ecological Approach to Forest Stewardship: Goals, Inventories, Planning- 6 to 7:30pm. Free webinar. [Register.](#)

Annual Tuesday Evening Stress Reducer Paddle-6:00 pm - 8:30 pm. This is Path, Peaks and Paddles 17th year enjoying our Tuesday Evening STRESS Reducer Paddle on Ellicott Creek! Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Wednesday, May 19

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Beekeeping Class-Swarms, Splits & Queens- [Register.](#) 6:00 PM 7:00 PM virtual by Masterson's Nature Center. Swarming is part of being a bee. Dealing with swarms is part of being a beekeeper! Knowing what to do and when to do it can be tricky, even for experienced beekeepers.

Protecting Your Child from Common Toxics-4pm webinar. We don't want to scare you, but we think you deserve to know: There are harmful substances lurking in many hidden places in your home – including in your mattress and closet! In this webcast, you'll learn about common household chemical risks, green alternatives you can utilize to keep your home child-safe (or grandchild-safe!), and other actions you can take to reduce your family's, as well as garment workers', exposure to toxics in textiles and other household items. Join Naturepedic Founder and Technical Director Barry Cik and our Labor Campaigns Director, Charlotte Tate, for this one-hour webinar about how to avoid common toxics proven dangerous to both human and environmental health. [Register.](#)

Thursday, May 20

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session.

Evening Birding Hike at Amherst Bike Path-6:30 to 8:30pm. Spring migration is underway and the birds are returning to their summer nesting grounds! Join Audubon Naturalist Tom Kerr for an evening birding hike. Meet Northtown Center. Donations are gratefully accepted. [Click here](#) to register.

Container and Raised Bed Gardening- 10am. The Master Gardeners of Cornell Cooperative Extension in Cattaraugus County is continuing its 2021 virtual [Gardening Series](#) .with two classes in May. The same content will be held on both dates. [Registration link](#) _Discover different methods to enjoy gardening in small spaces, including containers and raised beds. Discuss different techniques for building and managing these styles of gardens.

Reinventing Food Banks- 1 to 2pm webinar. [Register.](#)

Saturday, May 22

Online Horticulture Classes - 11am-1pm, General Public - \$25 per class or \$125 per series, Members - \$22.50 per class or \$112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class.

<https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes>

Volunteer with The Tool Library and partners-10am in the University and Masten Districts. Get more details and [sign up here.](#)

Rabbit, Slither, Croak! -10am. Discover snakes, turtles, frogs and salamanders as we explore the ponds and forests at Reinstein Woods. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Birding at Rose Acres-9am. Join Buffalo Audubon at Rose Acres Audubon Preserve. Spring Migration is underway and we'll be looking for the many species that are arriving for the summer or just passing through on their way north. Meet on Torry Hill Road where it meets Java Lake Rd. [Register.](#)

Scenic Ride Along the Niagara Gorge-10am to 12:30pm at [Earl W. Brydges Artpark State Park](#). Join a leisurely bicycle ride and see some gorgeous views along the way! Experience the Lower Niagara Gorge Shoreline Trails. *For information and registration call (716) 282-5154.*

Field Trip: Letchworth SP for Nesting Warblers-6773 Trailside Road, Castile, NY 14427 ([map](#)), Leader - Matt Nusstein (Matthew.Nusstein@parks.ny.gov; (716) 446-3376). Meet at 8am at the Humphrey Nature Center, 6773 Trailside Road, Castile, NY 14427. Scenic Letchworth State Park, embracing the Genesee River, boasts incredible numbers of migratory birds in May and June. In addition, more than twenty species of warblers nest in the park annually making for an exciting birding destination. We will be birding along the gorge making various stops with short hikes as we go. The trip could last 4-5 hours and we will have lunch overlooking the river. Carpooling is suggested. Bring a lunch, snacks and beverages.

Field Trip to Upper Canadaway Creek in Chautauqua County-9:30am. Niagara Frontier Botanical Society will return to a magnificent wooded site we visited under the guidance of Eric Danielsen on Sept. 14, 2019. It was filled with magnolias, slippery elm, towering sycamores and glorious ferns, and we commented at the time that we should come again in the spring. Meet at Bob Evans parking lot in on Route 60 in Fredonia, adjacent to I-90 Fredonia exit. Bring lunch. Trail is steep. Leader: J. Schlegel, 835-6042. Open to public.

Beekeeping Class-Hands on Hive Inspection- [Register.](#) 4:00 PM 5:00 PM at Masterson's Garden Center, Inc. ([map](#)). We all know that we're supposed to inspect our hives. But what the heck are we looking for in there? Join us in the apiary for a hand-on experience. We'll open up a hive together and see what the bees can teach us. From suiting up and lighting a smoker to proper hive etiquette to locating the queen, we'll share what we've picked up over the years.

Sunday, May 23

Slow Roll Buffalo Spring Roll- [Spring Roll](#), TBD Buffalo Limited Capacity! First in our new Ticket to Roll series of monthly fundraiser rides, the Spring Roll is a guided ride focused on Buffalo's Asian-American communities past and present, concluding with food and drinks. Purchase of a ticket includes the roundtrip ride, dinner and refreshments courtesy of Sun Cuisine, a commemorative "Ticket To Roll" T-Shirt and more. All proceeds go to keeping Slow Roll Buffalo free for all. [Get Tickets](#).

Monday, May 24

Slow Roll Buffalo- 6:30 pm EDT, Central Park Grill, RSVP [online](#).

Tuesday, May 25

Sierra Club Niagara Meeting-7 to 9pm via zoom. If you are interested in joining us please send us an email at niagarasierra@gmail.com. All meetings are open to the public.

Spring 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [spring-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

Intro to Organic Farm Planning-12:00 pm – 1:30 pm. Join NOFA-NY for one of our virtual 2021 Field Days! In this webinar, we'll provide an overview of what beginning farmers need to know when establishing an organic farm, including startup costs, equipment, and planting plans, hosted by Farmer-to-Farmer Mentor, Don Cimato, of Homecoming Farm. For more information on the Long Island Organic Transition Program, [visit our program page](#). [Register](#).

Annual Tuesday Evening Stress Reducer Paddle-6:00 pm - 8:30 pm. This is Path, Peaks and Paddles 17th year enjoying our Tuesday Evening STRESS Reducer Paddle on Ellicott Creek! Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Wednesday, May 26

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Virtual Program: Pond Exploration -1pm. Sit back and enjoy watching the insects, amphibians and fish we've caught from the pond in this virtual program. Reinstein Woods Nature Preserve, Depew. Pre-registration required; register online at www.reinsteinwoods.org/events.

Full Flower Moon Walk-8pm. Join us for an evening walk through the woods as we look for nocturnal critters. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Reducing Community Food Waste: Keys to Developing Impactful Municipal Programs-10am webinar. Local communities across New York State are partnering with businesses and residents to help decrease environmental footprints and reduce waste-to-landfill. Starting with an effective food waste strategy can be invaluable. Join food waste experts from New York State Pollution Prevention Institute on May 26, 2021 at 10AM (EDT) for *Reducing Community Food Waste: Keys to Developing Impactful Municipal Programs*. The virtual event will breakdown key aspects of building and maintaining a successful food waste management plan. [Register](#).

Let's Talk Birds – 7pm. Secrets of an award-winning field guide author and digital illustrator via Zoom, <https://rtpi.org/events/>

Thursday, May 27

PUSH Buffalo for Clean Heat-6 to 7pm. Meet the Clean Heating and Cooling Team and learn about ground and air source heating and cooling, and what programs can help you upgrade your home with renewable energy. Join the meetings [here](#). Workshop details can be found at <https://www.facebook.com/PUSHGreenWNY>

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session.

Intersectional Justice-2 p.m. - 3 p.m. ET. What's possible when we advocate both for people and the planet? Join Rev. Lennox Yearwood, Jr., Leah Thomas, and Diandra Marizet for a conversation about challenging the status quo, connecting the injustices disproportionately affecting frontline communities with environmental harms, and building an inclusive version of environmentalism. [Register](#).

Friday, May 28

Fun Facts with Kelly: Wildflower Edition-10am to noon at [Earl W. Brydges Artpark State Park](#). Spring is here and so are wildflowers! Hike the trail to see what flowers we can find and learn about what these natural beauties offer! *For information and registration call (716) 282-5154.*

Saturday, May 29

Online Horticulture Classes - 11am-1pm, General Public - \$25 per class or \$125 per series, Members - \$22.50 per class or \$112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom. All adult classes and workshops are recorded and are available for one week after the class.

<https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes>

Kickoff Summer Walk-10am. Enjoy a guided walk in the woods to celebrate Memorial Day weekend, the unofficial "kick off" of the summer season. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Bike the Buffalo Waterfront!-10am to noon at [Buffalo Harbor State Park](#). Starting at Buffalo Harbor State Park, we will explore our waterfront's historic and natural treasures including a rolling salute past Buffalo Naval Park! *For information and registration call (716) 549-1050.*

A Dose of Nature: Pet Friendly Walk-10 to 11:30am at [Earl W. Brydges Artpark State Park](#). Escape the stress of life while reconnecting with nature. Join us on a walk with your furry friend. *For information and registration call (716) 282-5154.*

Monday, May 31

Slow Roll Buffalo- 6:30 pm EDT, Liberty Hound, RSVP [online](#).

Tuesday, June 1

Spring 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [spring-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

Annual Tuesday Evening Stress Reducer Paddle-6:00 pm - 8:30 pm. This is Path, Peaks and Paddles 17th year enjoying our Tuesday Evening STRESS Reducer Paddle on Ellicott Creek! Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Civic Engagement and Activism:

****This section will share ways to engage and follow policy at the federal and state level. Voting is one action, but civic engagement requires us to share our views and desires with our elected officials.**

April 7 State Level Lobby Training for Climate and Community Investment Act- 7:00pm – 8:30pm. Join this lobby training for People-of-Faith in preparation for the [Climate and Community Investment Act](#), the CCIA. The state senate bill S4264A was presented in committee last week and we have a lot of work to do. We will be called on to lobby our senators and assembly-people. [RSVP Here](#)

April 9 Federal Level Action on Climate Change-6:30pm – 8:00pm. Join Senate Majority Leader Chuck Schumer (D-NY) and other elected officials on how they plan to fight for climate, jobs and justice in our communities. Questions can be submitted when you RSVP. [RSVP Here](#)

Contact elected representatives today! You don't have to be an energy or climate expert to make a difference. [Get their contact info.](#) Then weigh in on the below! For sample emails to send to policy makers, check out Step 1 at <https://www.aashe.org/Climate-Solutions/>. Sign up for up to date policy alerts [here](#).

1. **Reinvigorated efforts for a Federal Green Bank:** US House and Senate members [reintroduced a measure](#) to create a clean energy and sustainability accelerator to fund sustainability projects over the long term. The proposed legislation is currently in committee for review. Call and email your federal representatives to share your views on this effort that will facilitate loans and investment for access to green energy to meet necessary decarbonization goals.
2. **Heads up for action by Biden and the Congress:** President Biden's \$1.8 trillion infrastructure plan centered on fixing roads and bridges, expanding broadband internet access and boosting funding for research and development, while proposing an expansive increase in corporate taxes to pay for the package. Watch for upcoming infrastructure bills in Congress. The bill(s) will include items related to the energy transition. Check out the [Biden Plan for Climate Change](#). The [BUILD GREEN Infrastructure and Jobs Act](#), addresses the climate crisis and our crumbling infrastructure by providing \$500 billion in grant funding for roads, bridges, and rail, while electrifying our public transportation systems (including school buses!) over the next ten years.
3. **State energy efficiency -** Check out ACEEE's [state energy efficiency scorecard](#). NY is # 5. Contact your state legislators and governor to let them know you support their efforts to make our state more energy efficient for a healthier environment and economy.
4. **NY Proposed legislation** related to [climate change, renewable energy and fossil fuels](#). Share your comments regarding the legislation with elected officials.
5. **On a Campus?** Universities and colleges must be ambitious when it comes to tackling the climate crisis. One of the most important steps is to commit to the Global Climate Letter – find out more [here](#).
6. **Change the Chamber: Lobby for Climate -** Check out the @ChangeUSChamber campaign to hold corporations and the US Chamber accountable to stop obstructing climate solutions and actively lobby for science-based climate legislation – find out more [here](#).
7. **Current NY Environmental Legislation-** A listing of legislation of all environmental topics with a summary and status is available at <https://eany.org/our-work/bill-memos/> . Educate yourself and reach out to get support for the issues important to you.

Tips for the Environment:

Shower Curtain Liner Need Replacing?- While you can't recycle it with your plastic bags, you can repurpose or recycle it in other ways. Terracycle sells their [Bathroom Accessories Zero Waste Box](#) that allows you to mail back (postpaid shipping) along with soap dishes, showerheads, bath mats and other items. Choose your replacement curtain as polyester cloth which may be recycled with fabric in the future or cotton or hemp which can be cut up and composted. Repurposing-so that plastic liner could be a painting drop cloth, table cover for messy craft projects, liner under the litter box or kitchen sink, or cut into pieces to make waterproof bags for wet swimsuits.

Integrated Pest Management for the Garden- As you plan out your garden, there are some steps you can take to avoid pest problems in efforts to reduce the use of [pesticides](#). Any chemical applied to prevent, mitigate, or repel pests (herbaceous, rodent, or insect), is considered a pesticide. Please use these products carefully and only as part of an integrated pest management plan. Combining mulching, weeding, improved drainage with encouraging beneficial insects can save your garden and reduce your chemical use. Your children and pets will be healthier. [Cornell IPM](#) has some resources to help you.

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.citybration.com>

<http://www.buffalospree.com>

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

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

Re-Energize Buffalo Blog- <http://renewnrg.blogspot.com/>

<http://buffalorising.com>

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

<https://boredommd.com/>

Wildlife Rehabilitator Search- https://www.dec.ny.gov/cfm/xtapps/sls_searches/index.cfm?p=live_rehab

B-WELL Videos-<https://cityofbuffalo.viebit.com/index.php?folder=Be+Well+Buffalo>

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>

Recycle Right NY- <https://recyclerrightny.org/>

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

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.buffaloudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

www.yourspca.org

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-

Backyard Bounty-podcasts on homesteading, beekeeping etc. <https://heritageacresmarket.com/backyard-bounty-podcast/>

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>
Happy Shacks Oils-free seed library <https://happyshackoils.com/>
Healthy Living Farm- <https://www.healthylivingfarm.com>
Kindred Kreek Farms- <https://www.kindredkreek.com/>
Kubed Root-<http://www.kubedroot.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://promisedlandesa.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>
WNY Food Hub for Farmers-<https://www.edenvalleygrowers.com/wny-foodhub>

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/>
<http://growitsaveituseit.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, Resources 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

[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](#)

On Demand Webinars:

[Extended Producer Responsibility](#) (other videos on same youtube channel).

[Plan-It GEO](#)

<https://www.ceres.org/events/ceres-climate-week-nyc-2020>- CERES from NYC program in Climate Week

EarthEcho [Youtube channel](#) Water Challenge [playlist](#).

STEMExplore Virtual Career Connections [Virtual Events](#) page

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

<http://adk-nfc.org/>

Meetings 7:30, second Tues. from Sept.-June

AIA Buffalo Western NY

<https://www.aiabuffalowny.org/>

Air and Waste Management Association

<https://awmanfs.wildapricot.org/>

Allegany Nature Pilgrimage	http://alleganynaturepilgrimage.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/
Birds on the Niagara	http://www.birdsontheniagara.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://buffalofarmentoschool.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 Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Buffalo Women of Env. Learning/Leadership (BWell)	https://www.bwell.community/
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/
Clarence Bluebird Trail	https://lambbluebirdtrail.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 Foundation for Greater Buffalo	http://www.cfgb.org/

Cooperation Buffalo	https://www.cooperationbuffalo.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 Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
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
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.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
Lake Erie Watershed Protection Alliance	http://www.erie.gov/lewpa
Leadership Buffalo	https://www.leadershipbuffalo.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Let There Be Light International	www.lettherebelightinternational.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.nylcv.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	https://nysacc.org/
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.seagrantsunysb.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/index.html
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	Niagara Frontier Botanical Society
Niagara Outfitters	https://niagaraoutfitters.com/
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-Buffero-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	https://www.facebook.com/21stCenturyParkOnTheOuterHarbor/
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	https://creatinghealthycommunities.org/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Climate Action	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 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	https://wnyservicelearningcoalition.org
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY Raptor Center	Wnyraptor.com
WNY STEM	http://wnystem.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/