

Enviro-News

February 2019

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

- Articles- including events, courses, local news, grants, jobs
- Upcoming Activities
- Tips for the Environment, "Going Green" by Lesley Haynes
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

SPCA Wildlife Department Needs Volunteers

Do you love animals and can commit to a schedule helping at the Erie County SPCA? The Wildlife Department has an open information session on **February 2** from 11am to noon to describe their opportunities. If interested in volunteering, you will need to attend a required orientation on **February 7** from 6 to 7:30pm OR **Saturday, February 16** from 1 to 2:30pm. You must RSVP for the orientation sessions by calling Barbara Haney at 875- 7360 ext. 220 or email barbh@yourspca.org. Volunteers must be 18 or older. Info [here](#).

WNY Climate Conversations

Learn about climate change in our region and how to prepare for it, create space for climate dialogue, and hear from youth that are making a difference. This free public event is on **Saturday, February 9** from 1 to 4pm at the Burchfield Penney Art Center, 1300 Elmwood Ave., Buffalo in the Peter and Elizabeth C. Tower Auditorium. The WNY Climate Conversations are an opportunity to discuss climate change and environmental justice with the people in our networks and communities. At the end of these presentations, we hope participants will walk away with some tools and information needed to take action for climate justice and resilience in our Western NY! Registration: <https://wnymasterteachers.wufoo.com/forms/wnyclimateconversations/>

Preservation Buffalo Niagara Docent Training

Do you love historic architecture? Are you passionate about historic preservation? Consider becoming a Preservation Buffalo Niagara Docent! Docents lead our regularly scheduled walking tours as well as special school and community group tours. While a teaching background is not required, a high level of interest and enthusiasm is! Now is your time to join the ranks as PBN will be offering new docent training beginning in February 2018! This year's training will focus on all three of PBN's public tours: Queen City Downtown, Guaranty Building, and City Hall. Trainees will be able choose which tours they're interested in giving, with the option of being trained for additional tours in the future. Our first session, which will focus on Queen City Downtown, will be on **February 5th**. All classes will be at 10 am in the Market Arcade Conference Room (617 Main Street, Buffalo). Sign up and register at <https://preservationbuffaloniagara.org/get-involved/docent-training/>.

WNY Farm Show

The WNY Farm Show is **January 31 - February 2, 2019** at Hamburg Fairgrounds (5600 McKinley Pkwy., Hamburg; the-fairgrounds.com or 649-3900). Admission is free. Vendors for this year's show include feed, seed, and equipment dealers, farm service providers, and various agriculture non-profits and agencies. Info on seminars and vendors can be found at <https://www.ecfair.org/p/event/342>

Winter Wonderland at Reinstein Woods

New York State Department of Environmental Conservation (DEC), in partnership with Friends of Reinstein Woods, invites the public to celebrate “Winter Wonderland in the Woods” on **Saturday, February 9** from 12 p.m. to 4 p.m. at [Reinstein Woods Nature Preserve](#). Visitors can discover a variety of outdoor pursuits during the event. Ice-fishing demonstrations will take place throughout the afternoon and visitors will be able to try cross-county skiing in a demonstration area (weather permitting). Snowshoe rentals will also be available for those who wish to explore the trails. The event will take place regardless of snow conditions, and additional activities featuring nature experiences will be added in case of warm weather. Registration is not required for this event. There is no entry fee, but donations to Friends of Reinstein Woods are always welcome. Reinstein Woods Nature Preserve is located at 93 Honorine Drive, off of Como Park Boulevard in Cheektowaga.

Tales of Mastodons (and Others) from the Hiscock Site

The public are invited to an illustrated presentation “Tales of the Mastodons from the Hiscock Site” by Dr. Richard Laub on **Wednesday, February 13** at 7pm in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. Admission \$4, or FREE to Penn Dixie members and their guests. No registration needed. Hiscock is a paleontological and archaeological site in northern Genesee County. It was excavated by the Buffalo Museum of Science from 1983 to 2011, revealing a rich record of changing faunas, floras, cultures and environments over the past 13,500 years. From the late Ice Age, through the period of the virgin forest, to the time of European settlement, we found confirmation of much that we had expected. However, there were also many surprises!

Land Conservancy Kicks Off International Design Competition

The Western New York Land Conservancy is excited to announce the start of new international Design Ideas Competition for the DL&W corridor. Professional and student designers, architects, landscape architects, urban planners, and artists are invited to submit their visionary concepts to transform the abandoned 1.5-mile elevated DL&W rail corridor connecting Buffalo’s downtown with its waterfront through three distinct and historic neighborhoods. The competition is the next step in reimagining this former industrial space as a multi-use urban nature trail and greenway. More detailed information about the Design Ideas Competition, including the Competition Brief with goals and intended outcomes can be found on the Land Conservancy’s website at www.wnyc.org/dlw-design. Those wishing to participate in the competition must register by emailing dlw@wnyc.org. There is no cost to participate. Submissions are due by **February 15, 2019**. Winners will be announced this spring.

Sponsorships Available for 2019 Canal-Related Events

Festivals and events draw millions of people to canal communities and the Canal System each year for fun, recreation, history, music, local food, and natural beauty. The Erie Canalway National Heritage Corridor, in partnership with NYS Canal Corporation, is offering sponsorships of up to \$500 for events or festivals taking place in the National Heritage Corridor from May through November 2019. Eligible applicants include municipalities and nonprofit 501(c)(3) organizations. Applications are due by **February 15, 2019**. Find instructions and an online application at www.eriecanalway.org/resources/grants.

Volunteer-Wildlife Rehabilitator Training

AWARE (Association for Wild Animal Rehabilitation and Education Inc.) will offer classes for wildlife rehabilitation on Saturdays from **February 9, 2019 to March 9, 2019** at Starpoint Central School, 4363 Mapleton Road, Lockport, NY 14094. Hours are from 10:00 until 1:00. The first session (February 9, 16) is designed to prepare future rehabilitators or volunteers for beginning rehabilitation of wildlife. The focus will be on mammals to obtain a NYS DEC wildlife rehabilitator license. The second session (February 23, March 9) focuses on the rehabilitation of wild birds. Following each session, all students are given a certificate of completion that can be used when applying for their NYS license application and US F&W application permit. The cost will be \$100.00. All money will go as a donation to support the animals, after we pay for the classroom and handouts. Please contact Jackie: email: awarejlt@roadrunner.com or phone 716-625-8189 for more information.

Show and Share for Environmental Educators

Environmental educators of the Western Region are invited to “show and share” one of their favorite program activities with colleagues during this fun and FREE casual professional development event on **February 26** from 9:30am to 3:30pm. Socialize with other educators (experienced, retired, and new to the field!) and swap strategies, stories, and your spirit for the outdoors and education! This event is sponsored by the New York State Outdoor Education Association www.NYSOEA.org. Please pre-register by **Wednesday, February 6** by contacting Kimberly at 716-825-6397 x200 or kadriaansen@sciencebuff.org and provide your name, title, organization, and phone number. It will be held at Genesee County Park & Forest, 11095 Bethany Center Rd., East Bethany, 14054. To register contact Kimberly at kadriaansen@sciencebuff.org

Plant Sale to Benefit Reinstein Woods Nature Preserve

Friends of Reinstein Woods is accepting orders for the annual plant sale featuring wildflowers and shrubs that are native to the region. Orders will be accepted through **Friday, February 15, 2019**. The sale will raise funds to support environmental education programs offered by Reinstein Woods Nature Preserve. Orders may be placed online at www.reinsteinwoods.org/plantsale/ or by downloading a mail-in order form. Plants will be available for pickup on Saturday, June 1, 2019 from 10:00 a.m. to 1:00 p.m. at Reinstein Woods Nature Preserve, 93 Honorine Dr. Depew, NY 14043. Purchases can also be picked up on Monday, June 3, 2019 from 5:00-7:00 p.m.

Excellence in Preservation: 2019 Call for Nominations!

The Preservation League of New York State is seeking nominations for its 2019 Excellence in Historic Preservation Awards, which recognize significant achievements in historic preservation throughout New York State. The nominations must be submitted online by **February 14, 2019** (early submissions appreciated). The awards will be presented on May 9, 2019. To review the guidelines and download a nomination form, please visit the Preservation League’s website at [2019 Excellence in Historic Preservation Awards](http://www.preservationleague.org/2019-Excellence-in-Historic-Preservation-Awards)

Great Backyard Bird Count

Participate in Citizen Science and observe and report the birds that you see in your backyard. The annual Great Backyard Bird Count is **February 15-18, 2019**. Create a free account at <http://gbbc.birdcount.org/get-started/>. Count birds for at least 15 minutes on one or more days of the GBBC in as many places and on as many days as you like. Submit a separate checklist online for each new day, for each new location, or for the same location if you counted at a different time of day. Still confused? Come to the Great Backyard Bird Count at Beaver Meadow on **Saturday, February 16** at 10 am. Naturalist Tom Kerr will go over everything you need to know to participate, including beginner birding tips, choosing the right binoculars, and submitting an eBird Checklist. Binoculars will be available. Call 585-457-3228 to register. Cost: \$5. Birders from all around the world participate in this program and you don’t want to miss the biggest weekend in birdwatching.

2019 Communities in Bloom Class

Cornell Cooperative Extension of Erie County is offering its popular spring class on **February 23** from 9am to 2:30pm. The one-day seminars will feature: Landscape Design Do's & Don'ts, Garden RX, Prescription for Healthy Plants and Vegetable Gardening, Grow Your Own. Cost is \$25 - General Public. Register by **February 19** [here](#). The class will be at Unitarian Universalist Church, 695 Elmwood Ave, Buffalo, NY 14222.

Educator Development Day for Agriculture-Based Education

An Educator Development Day in Agriculture-Based Education will be held from 8:30 a.m. to 2:30 p.m. on **March 1** in the Agriculture Discovery Center on The Fairgrounds, 5600 McKinley Parkway, Hamburg. Erie County Agricultural Society in cooperation Seeds of Living Education Organization is holding this day for community garden leaders, elementary through middle school educators and anyone working in youth development. The day will offer a workshop sessions that can be taken back to your classroom or program. Lunch and refreshments are provided. Cost is \$50 with registration due by February 18. [See details here.](#)

Environmental Excellence Award Applications

If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, the Erie County Environmental Management Council (EMC) invites you to nominate your project for consideration in the 2019 Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Applications are due by **March 15, 2019**. Applications are evaluated by a panel of reviewers from the EMC, with awards presented at an event in the beginning of May 2019. More information can be found at www.erie.gov/emc

Master Gardeners Education Day

The annual Master Gardeners Education Day is **Saturday March 16, 2019** at Classics V on Niagara Falls Blvd., 9-3. The cost is, \$45 for MG's out of county and \$55 for the public. Hot buffet lunch included. There will also be an excellent basket raffle. There are 3 excellent speakers who you won't want to miss. This day will help you with your major gardening issues, soil, insects and critter damage. Register on line at: <https://reg.cornell.edu> or call Jolie at CCE, 652-5400 ext: 176. We anticipate another sold out event so get your tickets soon.

Art of the Brick Exhibit

The Buffalo Science Museum has a visiting exhibit "The Art of the Brick" opening February 9. Named one of CNN's Top 10 "Global Must-See Exhibitions," you'll marvel at the 80+ sculptures created by artist Nathan Sawaya, including a 20-foot-long T-rex skeleton and a recreation of Michelangelo's Statue of David. Plus, experience the "The Science of the Brick," presented by AAA Western and Central New York, the hands-on LEGO brick activity area within the exhibition! The exhibit will be here until May 5. Tickets are required for this exhibit.

Spotted Lanternfly Webinars

In conjunction with the New York State IPM Program and the Department of Agriculture and Markets, the Northeastern IPM Center will host a collection of webinars, titled "Spotted Lanternfly Basics." Each webinar will focus on, and be tailored to, a specific commodity group: Hops, Berry, and Vegetable Growers (Feb. 26, 2019, 10:00 a.m.), Grape and Apple Industries (Feb. 26, 2019, 1:00 p.m.), Christmas Tree Growers (Mar. 4, 2019, 10:00 a.m.) and Nursery, Greenhouse, and Landscape Industries (Mar. 4, 2019, 1:00 p.m.). All webinars will follow a similar format that covers spotted lanternfly biology, identification, and hosts, monitoring and management strategies, and a regulatory update. While the content may be relevant for throughout the Northeast, management practices covered will be specific to New York. For more info and registration links, go to: <http://neipmc.org/go/mYey>

Webinar: Clean Energy Communities and Climate Smart Communities

A **February 27** webinar from 10 to 11:30am will demonstrate how communities can develop and utilize greenhouse gas inventories to undertake local climate action planning initiatives. It will also help clarify the relationship between New York's [Climate Smart Communities](#) Program and [NYSERDA's Clean Energy Communities](#) Program. **Registration is required to participate.** [Click here to register.](#) Achieving Climate Smart Communities (CSC) Certification is one of the High Impact Actions under NYSERDA's Clean Energy Communities (CEC) Program that local governments can pursue to save money, foster a vibrant economy, improve the environment, and demonstrate clean energy leadership. Greenhouse gas (GHG) emissions inventories and climate action plans are part of Pledge Element 2 under the CSC Program, and are key to establishing baselines and setting achievable goals. [info](#)

Hawk Creek Wildlife Rehabilitator Training

Develop a sense of appreciation for the importance of preserving native wildlife. Learn how to lend a helping hand to injured, orphaned, and distressed animals in your community. This course provides 8 hours of instruction from Hawk Creek's own licensed environmental educators and wildlife rehabilitators. Classes are hosted at 1963 Mill Rd. West Falls, NY. Register early – class size is limited! Cost includes 2 classes (a total of 8 hours) which are held **March 9 & 10, 2019** from 12pm-4pm, as well as study guides and practice exams for the state rehabilitation exam. \$100. Please note that tickets will not be mailed out for this class, upon your arrival to class we will check your name in our records. You will receive an e-mail with class materials prior to the class. Please bring writing utensil and paper for notes. <https://www.hawkcreek.org/shop/product/wildlife-rehabilitation-course>

Historic Window Rehabilitation Training and Certification Course

Preservation Buffalo Niagara is excited to announce a brand new initiative aimed at training the next generation of preservation tradespeople with our Historic Window Rehabilitation Training and Certification, which begins on **March 12**. The seven week session meets twice weekly through April 25 with two field hands-on opportunities in May. As sustainable building practices and historic preservation gain popularity, and as more and more Western New York homes are covered by significant preservation incentives, the number of older structures needing rehabilitation and restoration has skyrocketed. However, despite this clear upward trend, the number of skilled preservation trades craftspeople available for local projects has not kept pace with the market demand for these unique and highly technical services. PBN's new Traditional Building Trades Program is designed to address this critical need and is suitable for contractors, students, and professionals, as well as anyone interested in enhancing their training in the rehabilitation of historic properties. [Info and registration.](#)

Annual Tree Seedling and School Program Orders Due

Erie County residents can [order](#) select species of trees and shrubs until **March 15** with pick up on April 27. Niagara County residents can [order](#) trees until **March 9** with pick up April 26 or 27. Schools (K-12 and colleges) may receive bundles of trees to be planted on school property. Planting and caring for a tree seedling can help young people learn about the natural world and the value of trees in it. DEC's School Seedling Program provides New York State students with this experience. DEC's Saratoga Tree Nursery will have several different species available for participants in this program, [School Seedling Brochure and Order Form \(PDF\) \(100 KB\)](#) is available for downloading. Only one of the options below may be ordered by each school, each year.

Botanical Garden Volunteer Orientation

There are lots of opportunities for volunteers at the Buffalo & Erie County Botanical Gardens. If you want to learn more about the options, attend the next orientation on **March 14** from 10am to 2:30pm. Please register by **March 4** by contacting Karen at khammer@buffalogardens.com or 827-1584, ext. 207.

51st Annual Gem, Mineral and Fossil Show

Buffalo Geological Society's 51st Annual Gem, Mineral and Fossil Show will be **March 23-24, 2019**, at the Erie County Fairgrounds in the Grange, Market, and New York State Police Buildings in Hamburg, NY, from 10 am-6 pm on Saturday and Sunday, 10 am-5 pm. This annual show provides an instant museum of Buffalo Geological Society Members fossils, minerals, and jewelry; demonstrators; the famous Mini-Mine for young collectors; mineral and fossil identification; and a variety of non-profit exhibitors. This highly educational family event affords attendees the opportunity to interact with demonstrators who work with minerals and gems. This is a perfect family field trip to learn more about the geological sciences. Boy Scouts, Girl Scouts, students, teachers, the public, and rock hounds are welcome. Adults are \$6 each, scouts in uniform and children under 12 are FREE. A 2-day admission for \$9 each is also available. Door prizes are drawn hourly. FREE parking. Wheelchair and stroller accessible. For any additional information or questions, please contact Jerry Bastedo, Show Chairman, at jcbastedo@gmail.com.

NY Geothermal Renewable Heating and Cooling Conference

The 5th Annual NY-GEO Renewable Heating & Cooling Conference at the Rivers Casino & Resort in Schenectady, New York will be held on **April 10th & 11th**, 2019! [Register](#) before **January 15th** to get an early bird discount ! Join us for a [fantastic program](#) that will help policy makers, installers, organizers, architects, clean energy activists, contractors, building owners and managers, engineers and more to plug into the renewable heat momentum building in New York and across the northeast! There are [scholarship funds](#) for students and low income individuals, but those funds will run out soon. Email nygeoinfo@gmail.com if you will attend but need a scholarship to pay part of your registration.

Community Organizations: Do you have a Research Need?

Are you a community partner **with a research need**? We would love to help connect you to researchers or graduate students who are interested in working to help find local solutions to questions you have or trends you're looking to explore. If you are a researcher or graduate student looking for a project, we can connect you with meaningful research opportunities. Contact buffalocommons@cornell.edu for more info.

Lunenfeld Beautification Grant Applications Due

Beautification Grants are available to block clubs and community groups for garden-related projects within the Garden Walk Buffalo footprint (which now includes the Park Meadow and Parkside neighborhoods!). The deadline is **February 28**. [Apply Now >](#)

Matching Herbs to Body Type: 5 week series

In this five week class from **February 6 through March 6**, Community Herbalist Sarah Sorci will borrow from traditional western herbalism, Indian Ayurvedic medicine, and Chinese Medicine to teach how to match herbs to one's body "type" or tendencies. The classes will be held at EMPact America on Wednesdays from 6 to 7:30pm at 7615 Seneca St., East Aurora. [Click here to register.](#)

Pollinator House Competition

Gardens Buffalo Niagara and the Buffalo Architecture Foundation are holding a design build competition for pollinator houses – for bugs, bees, birds, butterflies, and bats – as a benefit for both organizations. All are welcome – students, designers, artists, clubs, groups, carpenters, cooks and bottle washers! Entries due by **May 15**. [Learn More](#)

Dig with the Experts

Tickets are on sale for Penn Dixie's signature event — Dig with the Experts! This is our very popular, once yearly opportunity to unearth the best, most complete, and most unexpected fossils at Penn Dixie. This often sells out. [Info](#) Tickets are available for **Saturday May 18 and Sunday May 19** with a weekend pass option.

2018 WAVE Data

The 2018 WAVE samples have been processed, tallied, summarized, and posted. Everyone who submitted a WAVE sample should have received a personalized email with their sample results. All the data are compiled in a google map for general consumption on the WAVE "Forms and Data" web page: <https://goo.gl/PgX2CM>

The Foundry Offers Hands-on Classes: Build your own Furnishings

Want a new skill? The Foundry, 298 Northampton St. in Buffalo, offers artisan classes including glass blowing, leatherworking, upholstery and woodworking. To check out the full list of classes, [click here](#).

Food Donation and Scrap Laws and Regulations

In partnership with Harvard Food Law & Policy and Center for EcoTechnology, four legal facts sheets have been created to address common legal questions about food donation and food scraps diversion in New York State. These fact sheets should dispel some concerns about liability related to food donations and encourage more businesses to share surplus goods. Food waste is a major environmental issue, so keeping it out of landfills is important. These fact sheets explain both federal and New York State laws and regulations including: [Tax incentives for food donation](#), [Liability protections for food donors](#), [Date labeling requirements for food packaging](#), [Feeding food scraps to animals](#).

Adopt-a-Horse: Support the Solar-Powered Heritage Carousel

A solar-powered historic carousel is planned for Canalside in 2018. The Buffalo Heritage Carousel, Inc. is currently restoring the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots, with most currently needing restoration. Consider adopting one of the animals or contributing to the efforts of the project. For info, visit <http://buffaloheritagecarousel.org/>

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 or their new location at East Aurora Flea Market on Big Tree Road, just west of the Village of East Aurora on Saturdays and Sundays. Profits from sales put people to work!

Hemlock Woolly Adelgid Educational Video

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State's hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit [here](#). View video at <https://www.youtube.com/watch?v=AupnMjYaIQQ>.

DEC Announces Fourth Round of E-Waste Recycling Grants for Municipalities

A fourth round of grant funding from the Environmental Protection Fund (EPF) is being made available to help municipalities across the State address costs associated with the collection and recycling of eligible electronic wastes (e-waste). DEC will accept applications for this funding opportunity **no later than February 28, 2019**. These grants will help mitigate financial pressures some local governments face in collecting and properly managing e-waste. Municipalities may receive reimbursement of up to 50 percent of eligible expenses incurred for recycling of e-waste between January 1, 2018, through December 31, 2018. Application materials, guidance documents, and [important information for Electronic Waste Assistance Grants](#) are available on DEC's website.

Citizen's Guide to Land Use and Zoning

Partnership for the Public Good just released Land Use and Zoning Law: a Citizen's Guide. This handbook was written by Arthur Giacalone, an attorney with many years' experience in land use law. It is a basic overview to help the public understand the zoning and land use development process. Zoning and land use decisions have major impacts on the well-being of a community. The purpose of this handbook is to help individuals and groups in Buffalo and Erie County understand land use and zoning law, terminology and procedures so they can more effectively express their concerns about proposed projects or changes in land use laws. Download [here](#).

MAP Farmhouse & Community Food Training Center Now Open

Massachusetts Avenue Project recently opened their new Farmhouse & Community Food Training Center at 387 Massachusetts Avenue on the city's West Side. The Farmhouse will be the main hub for MAP's urban farming efforts, including their aquaponics system and greenhouses, as well as 3,000 square feet of cold and dry storage for farm produce and stocking their Mobile Market truck. The center will also provide employment, training and leadership opportunities for youth participating in MAP's Growing Green youth entrepreneurship program. With a state-of-the-art commercial kitchen that includes teaching spaces for visitors and volunteers, MAP will provide West Side residents with increased access to healthy, locally grown food and class on cooking, nutrition, and cooperative food preparation.

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](#).

"The Story of Plastic"

The makers of "Story of Stuff" are finalizing a full-length film on the "Story of Plastic". To see a mini-documentary from the film, visit <https://www.youtube.com/watch?v=PBhkv9DQFQ&feature=youtu.be>

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>

Using CO2 Emissions

Researchers at MIT have created a new method of turning carbon dioxide emissions from power plants [into a useful product](#). The resulting substance could be used as fuel for cars, trucks, and planes, as well as chemical feedstock with a large variety of applications. The system uses a membrane made from a compound of lanthanum, calcium, and iron oxide. It works by allowing oxygen from carbon dioxide to pass through while leaving carbon monoxide on the other side. The scientists behind the project report that the membrane is 100 percent selective when it comes to oxygen. The separation process is driven by extremely high temperatures, with a high of 990 degrees Celsius. While high temperatures are needed, energy could be supplied by solar energy or waste heat. Visit <https://futurism.com/carbon-emissions-mit>

New *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.

NYSERDA Farm Energy Audits

NYSERDA offers free energy audits to identify energy efficiency measures for eligible farms and on-farm producers, including but not limited to: dairies, orchards, greenhouses, vegetable growers, vineyards, grain dryers, and poultry/egg. Farms must be customers of a New York State investor-owned utility and contribute to the System Benefits Charge (SBC). Please check your farm's current electricity bills to determine if you pay SBC. Farms can request an energy audit through the Agriculture Energy Audit Program. NYSERDA will assign a Flexible Technical Assistance (FlexTech) Consultant to perform an energy audit.

NYPSC and PSI Receive NY Sea Grant Funding to Reduce Plastic Pollution in the Buffalo Niagara Region

New York Public Service Commission (NYPSC) and Product Stewardship Institute (PSI) received funding from the NY Sea Grant to help restaurants, residents, and tourists in the Buffalo Niagara region make smart foodware choices by replacing disposable plastic products with alternatives that are compatible with existing city recycling/composting infrastructure. The project will result in an educational toolkit that will provide resources for other restaurants, governments, and tourism organizations across the United States. This project builds upon a previous NYPSC and PSI pilot project in Greenport, NY on the North Fork of Long Island. The impressive plastic reduction and cost savings achieved by local restaurants in Greenport are featured in the [Plastic Reduction Guide for Restaurants](#).

Van Valkenburgh to reimagine Buffalo's LaSalle Park

Michael Van Valkenburgh Associates has been selected to redesign LaSalle Park on Buffalo's Lake Erie waterfront. Announced earlier this week by the Ralph C. Wilson, Jr. Foundation, the decision advances a \$50 million investment in the 77-acre park as the new Ralph C. Wilson, Jr. Centennial Park. The UB Regional Institute along with Dean Robert Shibley and several faculty organized the engagement of more than 1,000 citizens and led a community stakeholder group tour of successful park projects in Cincinnati, New York, and Chicago. The firm will use the [institute's report](#) on community expectations as a guide during the initial design phase. Read coverage in the [Architect's Newspaper](#)

Plan Ahead for Nature Trips

Earth Spirit Education is offering summer wildlife adventures. In August, 2019, they have trips planned for Yellowstone National Park and the Adirondacks. Info and registration at <https://earthspiritedu.org/excursions/>.

DEC's Climate Smart Communities Grants

DEC's Climate Smart Communities Grants Program has awarded \$7.3 million to municipalities across the state as part of Regional Economic Development Council (REDC) Awards. Established in 2016, this 50/50 matching grant program for municipalities supports climate change adaptation and the local reduction of greenhouse gas emissions. The grants also provide support for communities seeking to become State-certified Climate Smart Communities, 245 municipalities have adopted the pledge to become registered [Climate Smart Communities](#) and engage in programs to increase energy efficiency, reduce greenhouse gas emissions, and promote renewable energy and a green economy. The 2018 Climate Smart Community Awards are listed on the Office of [Climate Change funding page](#). In Western New York, Erie County received \$79,968 for Climate Smart Communities Certification Actions which will be used to complete the following Climate Smart Community certification actions: community climate action plan, bicycle master plan, fleet inventory, and update/adopt policy's regarding fleet efficiency, complete streets, and construction waste. The village of Sherman received \$18,000 for its Climate Smart Comprehensive Plan which will incorporate policies and actions the village can undertake to mitigate the effects of extreme weather events, reduce greenhouse gas emissions, revitalize its business corridor, protect wastewater and stormwater infrastructure, and maintain its connection to nature, while stimulating sustainable economic development and improving quality of life.

"Give your Stuff Away Day" Seeking Host Communities

Got Stuff? Mike Morone is looking for municipalities within New York State to partner with and host pilot "Give Your Stuff Away Day" events in 2019. These are fun giveaway/recycling events. So far, a few communities nationwide and one in the UK have conducted "Give Your Stuff Away" type events, (<http://giveyourstuffaway.com>). If your area is interested in discussing a possible pilot, please contact Mike at (585) 749-5107 or mikemorone@gmail.com.

Batteries: What do I do with them when they no longer charge?

Different battery sizes and materials make recycling and/or recharging problematic. For batteries that are marked as rechargeable, they can be recycled at most retail locations that sell them, and retailers are required to provide signage and collection containers in easily accessible locations. Consumers are encouraged to utilize these take-back programs. Types of rechargeable batteries covered by the NYS Rechargeable Battery Law include Ni-Cd, sealed lead, Li-ion, Ni-MH, any other such dry cell battery capable of being recharged and battery packs containing any of the previously mentioned batteries. You can also check with your municipality or local recycling coordinator to see if any special programs are being offered in your area. Organizations and businesses can purchase a box to collect used batteries and then the box can be mailed back to the company for recycling. For non-rechargeable batteries, there is not currently a mandated take-back recycling program. Consumers can inquire with their local municipality or local recycling coordinator to see if any special programs are being offered in their area. Otherwise, non-rechargeable, single-use batteries may be put in your regular household trash and should **not** be taken to drop-off events.

Business Membership Program to Encourage Greener Commuting

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

DEC Seeks Assistance in Locating Black Bear Dens

This winter, DEC wildlife biologists are seeking the public's help to learn about new black bear dens throughout New York. As part of DEC's ongoing monitoring of black bears in New York, wildlife biologists periodically check on black bears during the winter den season. The bears may be fitted with a radio collar to help biologists track the bears' activities throughout the rest of the year and to relocate dens in subsequent years for monitoring cub production, condition and survival. [Read the full article](#) in this week's Hunting & Trapping Newsletter to learn how hikers and others can help DEC identify den locations. To read more stories like this, [sign up for the Hunting & Trapping Newsletter](#) now!

Electric Vehicle Charging

Want to learn more about electric vehicles and how you can recharge them at home? Have your questions answered so you can make informed choices for future vehicle purchases. Info at [Home charging for e-vehicles](#).

Water Quality Improvement Grants Awarded

The 2018 Regional Economic Development Council (REDC) annual competitive funding program awarded more than \$103 million in grants to 124 projects that will improve water quality, reduce the potential for harmful algal blooms (HABs), and protect drinking water across the state. The grants are administered by DEC. Local recipients include the Western New York Land Conservancy, Inc. for the Mossy Point Forest Land Acquisition for Source Water Protection Project, Town of West Seneca Town of West Seneca Sanitary Sewer Overflow Improvements Phase 5 & 6, Erie Wastewater Treatment Improvement, Buffalo Niagara Waterkeeper Niagara River Source Water Protection Land Acquisition for Source Water Protection, Erie Land Acquisition Projects for Source Water Protection, Village of Akron Village of Akron Wastewater Treatment Plant Disinfection, Erie Wastewater Treatment Improvement, Town of Tonawanda for Sewer Improvement, Town of Amherst Park Green Infrastructure areas, Sloan Sanitary Sewer Overflow Improvements, Town of Cheektowaga Sanitary Sewer Overflow Improvements, Erie Wastewater Treatment Improvement, Village of Lancaster Sanitary Sewer Overflow Improvements, and Buffalo Sewer Authority. WQIP grant recipients will receive up to 75 percent of the project costs for high priority wastewater treatment improvement, non-agricultural nonpoint source pollution abatement and control, land acquisition for source water protection, salt storage, aquatic habitat restoration, and municipal separate storm sewer system projects. EPG grant recipients will receive up to 80 percent of the eligible engineering planning costs.

Geothermal Heating and Cooling, Domestic Hot Water: No Money Down

GroundUp: Geothermal Alliance of Western New York is leading the charge to bring Geothermal Heating and Cooling into every home in Western New York with its new \$128/month and \$0 money down financing option. This offer is for any qualifying homeowner looking to build a new home or replace their existing heating and cooling system in their current home, and usually covers houses up to 4,000 sqf with good insulation. The New York State Energy Research and Development Authority (NYSERDA) has up to \$15 million available through June 2019 for the installation of ground source heat pump systems for residences, businesses and institutions. Rebates are available to qualified installers for two years or until all funds have been exhausted. The rebate will be deducted from the total cost of the system, thereby passing the savings along directly to consumers. To learn more contact <https://www.groundupgeo.org/contact>.

Farm to School Lunch Funding Increased

Farm-to-School programs across New York have received \$1.5 million awards. The funding has been awarded to 18 projects and educational organizations that serve students in Kindergarten through Grade 12, and will benefit over 420,000 students. The award funding will be used to hire Farm-to-School coordinators; train food service staff; provide nutrition education in classrooms and cafeterias; purchase equipment to support food preparation; and support the purchase of more local farm products, such as fruits and vegetables, nuts, and herbs, used in school lunches. The program increases the volume and variety of locally grown and produced food in schools, improves student health and educates young people about agriculture, in addition to providing new markets for New York's farmers. The program also supports the expansion of the NY Thursdays Program, a school meal initiative that uses local, farm-fresh foods on Thursdays throughout the school year. A full list of project descriptions is available [here](#). In Western New York, funding was awarded to Cornell Cooperative Extension of Niagara County, Wellsville Central School District, Franklinville Central School District, Forestville Central School District and Cornell Cooperative Extension of Erie County.

Your Guide to Farmer Grants in the Northeast

Farm Credit East compiled a comprehensive report of farming grants offered in the northeast. The report is organized by first listing federal/regional grants, and then by state. However, federal resources are applicable to all farmers. Review [here](#).

Dissolvable Batteries?

Iowa State University researcher Reza Montazami has developed a technology that could someday make recyclers' jobs easier and more profitable. Using a solvent, he and his team have figured out how to fully dissolve a lithium-ion battery in minutes compared to the hours to days it takes to break them down with conventional heat or chemical practices. For more info on this research in progress, visit [here](#)

New Resources Available to Reduce Hazardous Waste & Save Money

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

The 2019 Erie County Rain Barrel Painting Contest is in full swing!

Open to schools and student-based community groups in Erie and Niagara counties, this painting contest is held annually in honor of Earth Day. Paint your rain barrel focusing on a theme of stormwater pollution prevention and/or recycling rainwater. All participating schools will retain their final painted rain barrels to use, donate or raffle as desired. We encourage teachers to incorporate environmental lessons in the classroom wherever possible on conserving resources, recycling rainwater, stormwater pollution prevention, and reusing materials for a sustainable planet. [Register](#).

Calling all NY State School Teachers and After School Program Leaders!

The New York Connect Kids to Parks Field Trip Grant Program will refund up to \$1,000 of field trip costs per classroom, per trip to DEC or State Parks land. Grants are available on a first come, first served basis. Grants refund field trip costs including transportation, program fees, entry fees, and/or pavilion fees, but cannot reimburse chaperones who travel separately.. Learn more at [Connect Kids to Parks Field Trip Grant Program](#) and [view the application online](#). If you have questions, please call (518) 474-6736.

Olive Pits Could Help Replace Plastic

Turkish scientists may have created a product that could replace disposable plastic, from a renewable source, olive pits. According to researchers, just one kilogram of this bioplastic, which is already being used in electronics and food packaging, reduces carbon dioxide emissions by six kilograms. If implemented on a larger scale, the innovation could significantly help in the fight against plastic pollution. [info](#)

Bendable Concrete: Pothole and Earthquake Solution?

Engineered Cementitious Composite, ECC for short, or simply "bendable concrete" was originally developed in the early 1990s by Dr. Victor Li, a civil and environmental engineering professor. While currently four times more expensive than regular concrete, ECC has 300 times more deformation capacity and more than two times the flexural strength. The increased cost is due to the micro silica sand used and polyvinyl alcohol (PVA) fiber. A team at Louisiana State University has found more reasonably priced and locally-sourced materials that can provide the same benefits at a fraction of the price by using fine sand from the Mississippi River rather than micro silica. They have also used PVA fiber that lacks the usual oil-based coating and locally available fly ash rather than conventional concrete, keeping costs 2.5 times what regular concrete would and only half the amount of concrete is needed for the same function. When reduced repair and replacement costs are factored in, the increased costs are reduced even further. The material is resistance to cracking and the chloride from road salt has a much tougher time penetrating and corroding the metal supports beneath it (ie on bridges and overpasses). Best of all, ECC can be used as a patch over existing concrete, improving its resilience without requiring the entire structure be torn down and rebuilt. Let's hope continued advances bring this to reality. Read more at <https://www.engadget.com/2019/01/16/lsus-bendable-concrete-could-fix-americas-crumbling-infrastruc/>.

Recycled and Biodegradable Fabric Aims to Reduce Microfiber Problem

Primaloft Bio insulation and fabric is made from 100% recyclable polyester, but also is 100% biodegradable. The company wanted to address the issue with microfibers in our landscape. Their proprietary process incorporating nutrients for microbes allows the material to break down in a landfill or the ocean in about a year. A number of major clothing companies are now using their fabric. Read more at <https://www.fastcompany.com/90297349/this-microplastic-biodegrades-instead-of-sitting-around-for-hundreds-of-years>

Unlocking Impact: Keys to Successful Partnerships

Unlocking Impact: Keys to Successful Partnerships is a learning conference designed to elevate thinking, ideas and practices that can create positive shifts in the work we do in our community. Hosted by the WNY Service-Learning Coalition on **Friday March 1, 2019**, the conference brings community champions, practitioners, faculty, staff and administration, and students together to share and explore the partnerships created and the positive impact they have made. Highly interactive sessions will provide many opportunities for participants at all levels of experience and interest to be engaged in both learning and discussion. Attending the conference is a great reward, a chance to refuel and a not-to-miss experience for anyone committed to the work they do in the community both today and in the future. [Registration is now open for attendees at the \\$35 member institution rate.](#)

Green Schools Digest-Free e-book

In this e-book you'll learn some of the leading sustainability strategies being employed by education facilities across the United States. From daylighting to onsite power generation to green cleaning, you'll glean new ways to make your school or university leaner, greener, and more attractive to environmentally-minded students and faculty, as well as your community. To download, visit https://eb.informabi.com/Green-Schools-Digest?code=UM_Email091318ACTIVE

Regional Science Fair Registration Open

The Western New York Regional Science and Engineering Fair (WNYRSEF) will be held on **March 23, 2019** at D'Youville College (Porter Ave, Buffalo). Online registration closes **February 15**. The student and sponsor will find the WNYRSEF [FAIR GUIDE](#) useful in preparing for the [online registration](#) process.

National Survey of Science and Mathematics Education (NSSME+) Released

A must read for educators, administrators, and all STEM education stakeholders. The [2018 National Survey of Science and Mathematics Education](#), first conducted in 1977, identifies trends in science and mathematics and provides key data about the characteristics of the mathematics, science, and (starting this year) computer science teaching force; commonly used textbooks and programs and how they are used; influences on teachers' decisions about content and pedagogy; formal and informal professional learning opportunities; and how resources are distributed among schools.

Case Studies in Science Workshop

This summer's Case Studies in Science Workshop will be held **May 20-24, 2019** on the campus of the University at Buffalo, State University of New York. Our five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. In addition, workshop participants are expected to produce a case study within six months of the workshop for our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy, computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines. The registration fee for the workshop is \$975.00. Detailed information including online registration is at <http://sciencecases.lib.buffalo.edu/cs/training/workshops/>

Earth Day 2019 Campaign

We invite you to join our [Earth Day 2019 campaign](#) to respond to the threats that are affecting the survival of all species, including our own. If you are ready to take the lead in educating and activating others or take direct action, here are some suggestions for you: Climate Education Week will start on Monday, April 15th ([Climate Education Week Toolkit](#)), Earth Day is April 22 ([Earth Day Organizers Toolkit](#) and the [Protect Our Species Primer and Action Toolkit](#)), and mobilize your college campus ([MobilizeU Toolkit](#)).

Teacher's Resources

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

[The Wild Classroom](#) curriculum from World Wildlife Fund (WWF) explores global environmental issues for a better future by building off the inherent concern for animals that humans possess. Each lesson in the curriculum teaches students an essential conservation concept through a fun and captivating activity linked to a particular wild animal.

[Communicating Climate Change](#) is a free resource to help educators engage with individuals on climate change.

[Invasive Species Curriculum](#) released by DEC and partners for middle school students (grades 6-8) is aligned to the New York State P-12 Learning Standards. The two-week curriculum was designed to have students gain a better understanding of invasive species and their impacts through research and hands-on projects.

[STEM Teaching tools](#)-free tools from site maintained by US government.

[Free Water Curriculum by UgMO](#)- water conservation curriculum for K-12 students and sponsors the students implementing those initiatives. Available to any interested student, class, club or school who wants to explore water conservation at their school.

[An Incredible Journey](#) children's book introduces elementary schoolers to the salmon life cycle and concepts such as ecosystems, keystone species, salmon culture, and stewardship. The book concludes with six case studies about kids who are making a difference on salmon-related issues.

[World Climate Simulation](#) is a NSF-funded, research-based program gives educators a way to provide learners with an enjoyable meaningful experience and to make a difference in the real world.

[Orangutan Gang](#)-Lesson includes an introductory video, PowerPoint presentation, discussion, informative article and corresponding short-answer questions, and homework including online research and an activity with the goal of helping students realize just how much palm oil they use in their everyday lives.

[New GPS-STEM Lessons](#)-Engage formal and informal students in real-world applications of STEM concepts inspired by GPS.

[Soil Story Curriculum](#)-Kiss the Ground's middle school curriculum aims to foster a deeper understanding of the vital role soil plays for the planet and to inspire a new generation of people to better engage with the environment and their communities.

[The Blossoms, the Birds and the Bees: a pollination investigation for Pre-K - Grade 2](#)-This playful lesson plan includes three hands-on activities designed to grow young learners' understanding of the relationships between plants and pollinators, and spark their interest in these important living things. Students will play a matching game to discover why hummingbirds, bees, and butterflies choose the flowers they do, "fly" pollinators around the classroom in search of nectar, and use their senses to explore diversity in nature. This lesson plan is made to be adapted, and includes suggestions for extensions and additions to fit the needs of every classroom.

[Animals and Plants Can Live in a City](#) for Grades K-2. Students learn that animals need air, food, water, and shelter, while plants need air, sunlight, and water. Students watch videos and engage with drawing and sorting activities to reinforce their learning.

[How Disruptions Affect Animal Populations](#) for Grades 6-9. Students explore the effects that ecosystem disruptions can have on animal populations and the impacts that a shift in the population of one animal can have on others in an ecosystem.

[Deciding Your City's Energy Future](#) for Grades 9-12. Students watch videos adapted from NOVA: Treasures of the Earth: Power and analyze data provided in graphs and maps concerning the availability, cost, reliability, and environmental impact of different energy sources.

[The Frogs of Panama](#)- Engage students in authentic science research or explore biodiversity and conservation issues in the classroom with outreach materials developed by scientists/educators studying frogs at the Smithsonian Tropical Research Institute in Panama.

[Climate Change Timeline](#) describe early science leading up to the discovery of climate change.

[Climate Change Interactives](#) allows users to enter their location and see some of the direct local effects likely with climate change.

[Educator's Guide to Marine Debris](#)- also available in Spanish, easy-to-use guide is designed to provide maximum flexibility for educators in both formal and informal settings.

[Educational apps for Middle and High School Students](#)

[Education apps for Elementary Students](#)

[DEC's I Fish NY Program's K-12 lesson plans about fishing, including specific ones for outside the classroom](#)

[DEC's Environmental Education K-12 lesson plans](#)

[Educational Resources on Black Bears](#) contains 29 lessons for students in kindergarten through 8th grade. The self-contained computer program is full of puzzles, computer games, special bear movies, quizzes, and interactive learning activities.

[The Northern Forest Atlas](#) is a free, online resource cataloging the plant diversity of the Northern Forest (NY, ME, NH, VT, MI, MN, MA). Includes stunning photos, charts, and videos.

[Five Gyres Curriculum](#) -Next Generation Science Standards (NGSS) Educational Curriculum, piloting on Lonely Whale's Catch the Wave platform.

[LearnHowToBecome.org](#) is a comprehensive website for students and other young professionals to find and explore resources related to a variety of careers. It includes sections on career types and paths, colleges, online education, and a resource center.

[KoiKiwi](#) is an educational website with fun environmentally friendly games. Play puzzle games, action games, shooting games (shooting GHG molecules for instance!), rubbish cleaning games, recycling games and others.

[Using Environmental Issues Forums \(EIF\) to Enhance Deliberation: Case Studies](#)-This publication documents, through a series of case studies how educators have developed locally relevant EIF materials, reflect on their experiences holding forums for a variety of audiences, and report assessment results.

[EPA Activity Book for Elementary Age Students](#)-How do you describe to students what the EPA does? This newest activity book for elementary age students to help introduce them to EPA. Kids can learn about the different ways the EPA works to protect our environment and our health. It's a simple, straightforward guide suitable for children of all ages.

[Botany Primer: Understanding Botany for Nature's Notebook](#)- designed to help observers make reliable plant observations for submission to the Nature's Notebook citizen and professional science program. It covers basic botany, phenology vocabulary and the USA-NPN's plant phenophases. It is also very appropriate for those interested in simply learning more about botanical terms and concepts, separate from participation in Nature's Notebook.

[Solar Ovens & Design Critiques](#)-In this unit, students design, build, and test solar ovens.

[Conservation Connect](#) is a web-based video series produced by the U.S. Fish and Wildlife Service, National Conservation Training Center (NCTC). Our goal is to connect a new generation of conservationists, ages 8-16, with the great outdoors, wildlife species, and conservation careers. Conservation Connect is available to youth groups, schools, homeschoolers, nature centers, and other educational programs throughout the country, free of charge.

[Humpback whale activity books](#)- Learn about whales and their migration.

[How can teachers get students to learn science from each other](#)-By communicating science, students can reinforce and help others learn.

[Sky, Water, Earth: self-paced online science activities for youth](#)- collection of free, online, self-paced activities that are designed for youth between the ages of 16-22 who are interested in the field of science.

[High School Teacher's Guide for Climate Choices: How should we meet the challenges of a warming planet?](#)

[Middle School Teacher's Guide for Climate Choices : How should we meet the challenges of a warming planet?](#)

[Project GRACE](#)- To prepare youth in economically disadvantaged communities for the prospect of careers in science, technology, engineering, or mathematics (STEM) through Geographic Information Systems (GIS).

[FoodSpan](#) is a free, downloadable curriculum that provides high school students with a deep understanding of critical food system issues, empowers them to make healthy and responsible food choices, and encourages them to become advocates for food system change.

[Climate Change and the Water Cycle: Four Big Questions Answered](#)-Free e-book. Dramatic changes to our planet like glaciers calving into the sea and record-setting temperatures make front page headlines around the world. But while other disruptions caused by the climate crisis – such as the transformation of our planet’s water cycle – are a little less immediately striking, they can be even more profound and far-reaching. The consequences can also seem confusing and contradictory. How is it even possible that climate change increases our risk of both heavy rains and extreme droughts?

[PollinatorLIVE: A Distance Learning Adventure](#)- resource that aims to meet national science education standards and promoting conservation action through education. PollinatorLIVE has lesson plans, web seminars, and information to increase the understanding of pollinators and their importance.

[Nature's Lights](#) explores how light is essential in the natural world, and how and why animals that live in the dark produce light via bioluminescence so that they can find food and communicate with others.

[Guess the Pollinator](#) is a fun creative activity which teaches students that certain animals have preferences for a flower type, color, shape or smell. Using the Coloring Sheets, students will colour in a chosen flower, then use the facts written underneath to match their flower up with its pollinator.

[Design a Flower](#) teaches students about what pollination is and how it happens. Using what they learned, students will then receive a card with a specific pollinator on it and will be asked to design the perfect flower for them.

[Seeing Red](#) teaches students about frequencies of light and how different colored light is absorbed or transmitted by colored filters. They will also discover how some animals use bioluminescence and color perception to outsmart prey.

[Materials Science and the Problem of Garbage](#)-Equip students to make informed choices about materials use and disposal with a series of lessons in which they investigate the technological and engineering ingenuity involved in making materials—and also the environmental ramifications.

[Water Agriculture Sustainability](#)-InTeGrate provides this three to five-week module that provides a framework for students to learn about how people interact with water, peer into our water future, and consider ways we might foster more sustainability in water management. After assessing our major water challenges, the module has students learn about the concepts of water sustainability, virtual water trade, and water footprints. The focus then turns to the interplay between agriculture and water resources, as agriculture has the greatest impact on freshwater consumption and quality.

[Remember the Rainforest](#)-free resources for K-12 with images of rainforest ecosystems for awareness.

[Cornell Webinars](#) -Our free webinar series covers topics like bird-friendly gardens and bird communication.

[Book Guide for On Bird Hill](#)- Our free guide for grades K–2 turn [this charming book](#) into lessons in science, art, math, and literacy.

[Edible Learning Lab](#)-curriculum allow kids (K-12) to manage the food production process from "Lab to Table".

[PLT Online Professional Development for GreenSchools](#)-6 learning hours of professional development for formal and informal educators.

[Green Schools Membership](#)- Free for Teachers, educators, students, and administrators. Access to lots of resources.

[Greening STEM](#) -infographics, toolkits, activity guides, and video resources contain free educational material in popular environmental topic areas that incorporate elements of STEM. Many of the activities and resources include project-based learning, service-learning, and citizen science components.

[Flipside Science](#) is a youth-powered series that tackles complex environmental topics and empowers viewers to make a difference. This engaging and upbeat collection of videos, hosted by California Academy of Sciences youth, explores how local communities are addressing environmental problems.

[Sustainability in Schools Simulation Game](#)- The Education for Sustainability program has designed a simulation game to show how to identify sustainability related projects that make financial sense and weave them together into a coherent strategy that takes advantage of synergies. It also shows how to use those projects in curriculum.

[Cool Science Jobs](#) provides real stories about “cool” jobs using science to help inspire the next generation. They also include vocabulary and can be used as mini-lessons in the classroom.

[Keep Wild Animals Wild](#) lesson plans, videos and worksheets provide everything educators need to introduce students to what makes wild animals wild, why wildlife trade is a big threat not just to animals and ecosystems, but to people too, and how to help keep wild animals wild.

[Black bear curriculum](#) - provides of free multimedia resources on black bears for educators and students.

[12 Pathways to Greening Your School](#) is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a [FREE MEMBER NOW!](#)

[Project Localize](#) is a customizable curriculum to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

[Raptors in the City](#) is a real-time, inquiry-based science program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the Endangered Species list in 1999. The program guides children through nesting season as they watch the still rare falcons live via cameras mounted on a skyscraper.

[Getting the Picture: Our Changing Climate](#)-The adventures of scientist-photographer James Balog and the Chasing Ice team come to life in a newly released climate science education resource which provides a unique, interactive, multimedia experience for students and educators to learn about the latest climate science and witness real-world changes occurring around the world.

[SMILE: New STEM Activities for Educators](#) is an award-winning, free access collection of nearly 4,000 STEM education activities. Many activities are grouped by topics with environmental themes including energy, climate, life sciences, and ocean literacy. Activities are also aligned with standards and principles such as the Climate Literacy Principles, Ocean Literacy Principles, and U.S. DOE Energy Literacy framework.

The [CLEAN](#) (Climate Literacy and Energy Awareness Network) collection is a searchable database for teachers to find online activities, videos, and graphics on climate and energy education. Teachers may sign up for the newsletter with updates on educational policies, discussions with experts, events, and weekly telecons.

["Appetite for Adventure: Exploring Global Food Sustainability"](#)- This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

[Architecture 2030](#) is appropriate for Grades 9-12. Learn about this architect's efforts to protect the environment by changing the way buildings are planned, designed, and constructed.

[Bird Sleuth](#) for K-12. Kits and resources for learning more about birds.

Contests and Awards

[President's Environmental Youth Award](#) recognizes outstanding environmental stewardship projects by K-12 youth, promoting awareness of our nation's natural resources and encouraging positive community involvement. Winners of this year's awards will be invited to a ceremony in Washington, D.C. in mid-2019, and have their project mentioned on EPA's website. EPA will select up to two winners in each of EPA's 10 Regions – one regional winner for Grades K-5 and one regional winner for Grades 6-12. All student projects must be sponsored by at least one adult over the age of 21. Applications are due **February 1, 2019**.

The [Shell Science Lab Challenge](#) recognizes outstanding **middle and high school programs** for their exemplary approaches to science lab instruction utilizing limited school and laboratory resources.

Teachers of grades 6–12 in the US and Canada are asked to submit innovative, replicable strategies that deliver quality lab experiences with limited equipment and resources. In turn, participating teachers can receive additional tools, resources, and rich professional development opportunities needed to support high-quality science teaching and strengthen their existing capabilities. Deadline: **February 4, 2019**.

[Toshiba/NSTA ExploraVision Science Competition](#) encourages K-12 students to imagine what technology might be like in the future while experiencing scientific process and discovery in an engaging, hands-on way. Let's empower the next generation of inventors, scientists and leaders. Deadline: **February 8, 2019**.

[Transforming our Tomorrow: a New Clean Energy Vision](#)-Prizes \$3000-\$1500. UB Sustainability is searching for students from across New York State to present their revolutionary ideas that will create a more sustainable world through clean energy. Students that have completed a project or program, or have an idea for a new policy or invention, can apply to compete for a cash prize at University at Buffalo's Transforming our Tomorrow. Initial submission doesn't need to be a polished idea. Deadline: **February 8, 2019**.

[Eco-Hero Awards](#) - Action For Nature will honor the work of young people between the ages of 8 and 16 all over the globe who are taking action to solve the world's tough environmental problems with a cash prize, certificate of achievement, and public recognition. Deadline: **February 28**

[Environmental Excellence Award Applications](#)-If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, the Erie County Environmental Management Council (EMC) invites you to nominate your project for consideration in the 2019 Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Applications are due by **March 15, 2019**.

[UL Innovative Education Award](#) Eligible 501(c)(3) organizations in the United States and Canada can apply to win up to \$100,000 for using innovative Science, Technology, Engineering, Mathematics (STEM) curricula to help K-12 students solve real-world environmental problems. Applicants for the ULIEA should offer programs that promote learning through STEM priorities, engage all people in civic and social responsibility, and find solutions to environmental challenges. ULIEA's mission is to invest in and support youth engagement in local environmental issues and their communities and encourages youth interest in engineering, technology, science, and mathematics. Deadline: **March 12, 2019**.

[Con X Tech Prize](#) provides \$3,500 to create your first prototype, helping you bring your bold conservation idea to life. And, with 20 of these prizes awarded, yours has a great chance to win. Even better – one of these 20 finalists will win \$20,000 to catapult their idea to the next level. The only question is: What will you build? Deadline: **March 13, 2019**.

[The Gloria Barron Prize for Young Heroes](#) - celebrates inspiring, public-spirited young people from across the U.S. and Canada. Each year, the Prize honors 25 young leaders ages 8 to 18. Fifteen top winners receive \$10,000 to support their service work or higher education. Deadline: **April 15**.

Grant and Scholarship Opportunities

[Capacity Building Grants](#) from the state Environmental Protection Fund to implement and administer a capacity building grants program. This new grant opportunity is designed to assist environmental justice focused community-based organizations to develop administrative, technical and programmatic capacity and expand services protecting public health and the environment. Deadline: **February 1, 2019, 3 p.m. EST.**

[Healthy Watersheds Consortium](#)-The goal of the Healthy Watersheds Consortium Grant Program is to accelerate strategic protection of healthy, freshwater ecosystems and their watersheds. The primary focus for applicants should be protection and stewardship of land in the watershed, not restoration of degraded habitats or projects with a strictly water-quality improvement outcome. Deadline: **February 4, 2019.**

[Sustain Our Great Lakes program](#) has announced that grants are available to restore and enhance stream and riparian habitat, restore and enhance coastal wetland habitat, expand green stormwater infrastructure, and maintain and enhance benefits of habitat restoration through invasive species control. Pre-proposals due **February 12, 2019.**

[The Environmental Justice Small Grants \(EJSG\)](#) program awards grants that support community-driven projects designed to engage, educate, and empower communities to better understand local environmental and public health issues and develop strategies for addressing those issues, building consensus in the community, and setting community priorities. The EJSG program will award approximately \$1.5 million nationwide for this competitive opportunity. EPA anticipates awarding approximately 50 grants (5 per EPA region) of up to \$30,000 each. These grants are for one-year projects. Deadline: **February 15, 2019.**

[2019 Wetlands Research Grant](#) to financially support candidates in producing and sharing independent research focusing on wetlands. Applicants must be currently enrolled as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university participating in an independent research project with a focus on wetland science/issues relevant to New York. The candidate must have at least a cumulative 3.0 grade point average. Preference given to students with focused research in New York. Deadline: **February 15.**

[Invasive Species Grant Program](#) supports projects that target both aquatic and terrestrial invasive species in categories: Lake Management Planning and Aquatic and Terrestrial Invasive Species Research. Approximately \$3,000,000 in grant funding from the New York State Environmental Protection Fund (EPF) is available for eligible projects. Minimum grant amount is \$11,000. Maximum grant amount is \$100,000, with a 25% match requirement. Eligible applicants include Municipalities, Academic Institutions, and 501(c)(3) not-for-profits whose projects are located within NY State. Other groups such as unincorporated lake associations must apply through a municipality, not-for-profit, or academic institution as the designated lead. Deadline: **Friday, February 15, 2019.**

[Resilient Communities Program](#) supports the health and resilience of communities across the United States facing sea level rise, droughts, floods, and fires. The program helps communities take advantage of natural features such as wetlands, resilient shorelines, urban tree canopies, natural forests, and healthy upstream watersheds to be better prepared for foreseeable resilience challenges, fortify fish and wildlife resources and habitat, and accrue quality-of-life benefits for all residents. **Pre-proposals are due February 19, 2019.**

[2019 Great Lakes Summer Fellows Program](#) provides an exciting opportunity for students to conduct research in the Great Lakes region under the mentorship of a CIGLR or GLERL scientist. We are offering nine (9) full-time, twelve-week positions. There is a stipend of \$6,500 for the twelve-week period. Limited to currently enrolled undergraduate (juniors and seniors preferred), recent graduates and graduate students; must be either a U.S. citizen or a foreign national who is residing in the U.S. on a current Student Visa. Deadline: **22 February 2019.**

[GLRI Cooperative Weed Management Areas](#)-The U.S. Forest Service announces that approximately \$640,000 in new funds are expected to be available for Cooperative Weed Management Areas (CWMAs) in the Great Lakes Basin. For this work, the minimum requested Federal share is \$15,000 and the maximum is \$40,000. A minimum 20% match of the total project cost is required. The goal of this program area is to detect, prevent, eradicate, and/or control invasive plant species to promote resiliency, watershed stability, and biological diversity on Federal, State, or private land. Deadline: **February 22.**

[NY Sea Grant's Biennial Research Call for 2020-2021](#) invites Pre-Proposals for Research to generate and provide valid scientific information that will further the sustainable development, use, protection, conservation, and management of our coastal resources. The research must clearly be driven by stakeholder identified research needs and must provide enhanced opportunities for NYSG to 'make a difference' and have an impact on addressing important coastal issues. Deadline: **Monday, February 25, 2019.**

[The New York Water Environment Association Scholarships](#) include a \$10,000 (Major) Environmental Career Scholarship, \$5,000 (Major) Nicholas J. Bartilucci Environmental Scholarship, \$2,500 Scholarship and the N.G. Kaul Memorial Scholarship. Deadline for all: **February 28, 2019.**

[Buffalo Niagara Medical Campus Spark funding](#) invites community members and organizations to apply for grant funding for projects that help strengthen neighborhoods adjacent to Campus. Deadline is **February 28.**

[Funding for Municipal Food Scraps Reduction, Food Donation, and Food Scraps Recycling](#) - to support municipal projects to reduce wasted food, donate wholesome food and recycle food scraps. Deadline: **March 1, 2019.**

[Annie's Sustainable Agriculture Scholarships](#) supports students working to shape the future of the food system through the lens of three regenerative agriculture principles: Building soil health, fostering aboveground biodiversity, and promoting resilient farm communities. Deadline: **March 15, 2019.**

[NYSAR³ College Council grants](#), co-sponsored by the NYS Pollution Prevention Institute and NYSAR³, provide up to \$10,000 for projects that focus on source reduction, reuse, or recycling at New York universities and colleges. Each College Council member institution can apply for project funding up to \$5,000. Deadline: **March 15.**

[Learning to Give Mini-Grants for Service-Learning](#) - The Learning to Give mini-grants range from \$250 to \$500 with a simple application process and priority given to those who use social media to share their plans, discuss ideas, and reflect! Applications will be reviewed on the 22nd of each month until **March 22, 2019.**

[Preserve New York](#) makes grants for reports on historic structures, building condition, cultural landscape, and cultural resource surveys. Applicants must be a unit of local government or a registered 501c3 not-for-profit. The program provides support up to 80% of the project cost. Deadline: **March 25.**

[2019 Earth Day Grants](#) offered by Air & Waste Management Association – Niagara Frontier Section (A&WMA-NFS) worth up to \$500 each in honor of Earth Day 2019. The program promotes environmental awareness through creative and impactful educational activities and community engagement efforts. Deadline: **March 29.**

[Davis-Putter Scholarship Fund](#) up to \$15,000 is available for student activists who are organizing for social change and building progressive movements on campus and in community. Deadline: **April 1.**

[2019 Air & Waste Management College Scholarship](#) for Full-time undergraduate students attending a college or university located within the New York State counties of Allegany, Cattaraugus, Chautauqua, Erie, Niagara, and Wyoming during the 2018 - 2019 academic year. Deadline: **April 12, 2019**

[Len Assante Scholarship Program](#) was developed to nurture and support those who wish to pursue and advance careers involving the protection, distribution, remediation, and responsible utilization of groundwater resources. Scholarships are for fulltime students only (including high school seniors who are applying) enrolled in a program that is groundwater industry-related. Deadline: **April 15, 2019.**

[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.**

[Food Waste Grants](#) - The New York State [Pollution Prevention Institute](#) (P2I) will operate the funding program, which will provide reimbursement to businesses that generate over one ton of food waste per week to offset the 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 from this program 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.**

[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).

[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.

[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.**

[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. The NIEHS Conference grant program is considered an integral part of the overall mission of the Institute; thus it is critical that all 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.**

[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.

[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.**

[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. We maximize our effectiveness by providing grants for the purchase and restoration of land that connects existing habitat fragments, or that prevents isolation of habitat that would otherwise continue due to habitat loss. **Deadline: Rolling.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[The Pollination Project](#) seeks to unleash goodness and expand compassion all over the world. We make daily seed grants to inspiring social change-makers who are committed to a world that works for all. We support passionate, committed people with an early-stage social change vision.

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

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

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

[Patagonia Environmental Grants](#)- We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. Deadlines: **April 30 and August 31**.

Employment and Internship Opportunities

[Summer Nature Education Internship](#)-Jamestown Audubon Center. Apply by **March 1**. Paid.

[Invasive Species Management Assistants](#) will work closely with the WNY PRISM Terrestrial Projects Manager and partners to implement invasive species prevention, early detection, management, and habitat restoration projects within the 8-county WNY PRISM region. The selected candidates will conduct invasive species surveys and assessments using iMapInvasives, assist with priority invasive species removal and restoration projects, provide project reports, and assist with outreach events such as tabling at farmers' markets and festivals. Invasive species removal efforts will include use of both manual and chemical (herbicide) methods. Deadline: **March 8**.

[Education and Outreach Assistant](#) will work closely with WNY PRISM staff and partners to implement and expand our education and outreach programs and will report directly to the WNY PRISM Education and Outreach Programs Manager. Education efforts are essential to the success of the partnership and are integrated into nearly all aspects of WNY PRISM work. The selected candidate will help maintain WNY PRISM Listserv and social media accounts, prepare e-newsletters, organize, attend, and lead education and outreach events, assist with materials development, represent WNY PRISM at meetings and events, and communicate with partners. The Education and Outreach Assistant will also assist with some invasive species removal efforts. Deadline: **March 8**.

[Director of Museum Programs](#) - Buffalo Science Museum. Responsible for the strategic management, oversight and implementation of all public-, community-, and school-based programs offered by the Buffalo Museum of Science.

[Adirondacks Job Board](#)-includes seasonal opportunities.

[Invasive Species Management Coordinator and Work Crew Positions](#)-Jamestown Audubon Center, temporary, summer.

[SCA Excelsior Conservation Corps](#)-Seeking applicants between the ages of 18 and 25 to work on infrastructure and sustainability, invasive species removal, trail construction, and other environmental conservation-related projects.

[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. The Clean Air Coalition's internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility. Some positions are summer only, so apply now.

[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.

Citizen Science

[Project Acari](#)- Help tick researchers by sending samples for analysis. Register and you can receive a free kit with a postage-paid mailer.

[FrogWatch USA™](#) is a citizen science program of the Association of Zoos and Aquariums that invites individuals and families to learn about the wetlands in their communities and help conserve amphibians by reporting data on the calls of local frogs and toads.

[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.

Upcoming Community Activities:

Friday, February 1

Hemlock Woolly Adelgid Survey-1pm. We will meet in the RTPI parking lot promptly at 12:30 to carpool and meet on-site in the Hatch Run parking lot (located off of Hatch Run Road in Warren PA) around 1:00pm. Visit <http://chatauquawatershed.org/index.php/preserves/our-preserves> for directions to the preserve. Individuals interested in participating in surveys should be prepared for the weather with warm clothing and boots. Snow pants and snow shoes or cross country skis are highly recommended when snow pack is deep. Questions? Contact Elyse Henshaw RTPI Conservation Technician at ehenshaw@rtpi.org or by calling 716-665-2473 ext. 231 or Jonathan Townsend at jonathan@chatauquawatershed.org or by calling 716-664-2166.

PLANT WNY Horticulture 101 and Trade Show & Education Conference 2019 - Location : Salvatore's Italian Gardens Restaurant 6461 Transit Rd Depew, NY 14043. [Click here if you want to view/print only the registration form](#)

Buffalo Geological Society Meeting- 7:00pm at the Heritage Discovery Center, 100 Lee Street, Buffalo, NY 14210. Our February monthly meeting will be a working meeting to prepare baggies for the Sluice at the upcoming Show. February's meeting will be canceled or rescheduled if Buffalo Public Schools are closed due to inclement weather.

Saturday, February 2

Habitat for Native Pollinators-10:00am to 11:00am at Iroquois National Wildlife Refuge Visitor Center. Register at 585-948-5445. http://www.friendsofiroquoisnwr.org/documents/2018_IO_Fall-Winter.pdf

Horticulture V Classes-The Buffalo and Erie County Botanical Gardens will hold a series of [Horticulture V classes](#) from 11 a.m. to 1 p.m. on five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The cost for Botanical Gardens members is \$100 for the entire series or \$20 per class. For the general public, the cost is \$125 for the series or \$25 per class. The classes are taught by Horticulturist David Clark. These classes are intended for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. More information and registration is available [online](#).

SPCA Wildlife Dept. Volunteer Session-11am to noon. Come learn about opportunities in the Wildlife Dept. and see if it is right for you. <https://yoursPCA.org/events-calendar/wildlife-department-2019-information-session/>

Reinstein Woods: Learn to Cross-Country Ski-10am. Learn the basics of cross-country skiing before going on a short guided ski tour. Ski rental: \$8/\$5 for Friends members Registration required; call 716-683-5959. <http://www.dec.ny.gov/education/1837.html>

WNY Hosta Society Breakfast- 10 a.m. at the Forestview Restaurant, 4781 Transit Rd., Depew. You must RSVP before 5 p.m. Friday, Feb. 1 so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or H8staman@aol.com The is a social get-together. You pay for your own breakfast. Attendees are asked to bring to the table something that they can pass around and talk about. It can be a plant, seedling, catalog, magazine, book, favorite garden tool, new deer repellent or anything to get folks talking.

Why Does the Groundhog Sleep?-10am at Sprague Brook Park| 9674 Foote Rd, Glenwood, NY 14069. Join Ranger Chuck on Groundhog Day to learn all about groundhogs and why they hibernate. We will check to see if the groundhog sees his shadow. Registration is required and is limited to the first 30 people who sign up. You must register individually and not as a group/family. Meet at the warming hut. [Registration](#)

Superb Owl Saturday – 1 to 4pm. Join us for a live owl presentation with Messinger Wood Wildlife Care and Education Center, crafts, owl pellet dissection, story time, face painting, snack making and more during our afternoon celebration of Owls! Vote throughout the day to determine this year's Superb Owl Champion! Pre-registration is required. \$7 Non-members/\$5 Members. Please call 585-457-3228 to register.

2019 Communities in Bloom-9am to 2:30pm, one day seminar by Cornell Cooperative Extension. Cost \$25 for general public, registration required. Location: Buffalo Niagara Heritage Museum, 3755 Tonawanda Creek Rd, Amherst, NY 14228. https://reg.cce.cornell.edu/InBloom_214

Free Workshop: Vegetable Gardening-2pm at MAP Farmhouse, 387 Massachusetts Ave. A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. To register or for any questions please email info@urbanroots.org or call 716-362-8982.

Old Time Community Snowshoe Hike-6:00pm-8:30pm. The Park School of Buffalo. A special evening that seeks to recreate the community snowshoe hikes in New England in the late 19th century. Participants will learn of the history and skills of snowshoeing, the wonders of Winter ecology and the warmth of outdoor campfires complete with hot beverages and delicious snacks. Join us as we experience the simple pleasures of the past on the beautiful Park School Campus. Register at <https://earthspiritedu.org/events/> *Registration is limited, snowshoes are provided.*

Eco-Kids Series-10 to 11am at [Niagara Falls State Park](#). Calling all pre-school & elementary kids! Each month we'll explore a new topic, take a walk, and make a craft. Join us with your little one. *For more information & registration call (716) 282-5154.*

Woods Walk: Nature Guide's Choice-1pm. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, Depew.

Exploring Winter!-10am to 11:30am. Shake off the winter blues by spending some time out in nature! Blue skies and snow covered trails are the perfect setting for a hike about Lillibridge. Bring your own snowshoes or borrow a pair of traditional, wooden bear paw snowshoes from us when you visit Pfeiffer Nature Center's winter wonderland. This walk is for both the novice and advanced alike. If there is no snow, join us for a winter stroll among the trees in the old growth forest. The program will be canceled if we are experiencing extreme weather conditions. This event will be held at: Lillibridge Preserve, 1974 Lillibridge Road, Portville, NY 14770. This program is FREE to the public. There is no fee to borrow traditional snowshoes but they are in limited supply so contact Pfeiffer Nature Center to reserve your pair by **Thursday, January 31st**. The traditional snowshoes are one size fits all and are recommended for ages 13 and up. Minors must be accompanied by an adult. To reserve snow shoes [Register Here](#)

Snowshoe Hike-11am to 3pm at Erie County Forest, Sardinia. Come out and join Paths, Peaks and Paddles for a snowshoe hike at one of our favorite spots! If you have your own snowshoes & poles cost is \$15.00pp – this covers the snacks and hot beverages. If you do not have snowshoes contact us for rentals. Snowshoe rental with poles plus your snacks is \$25.00 pp. Reservations are a must for everyone. If you have never snowshoed this is the time to come out and try it. Trails are easy to hike. Instructors and NYS Licensed Guides will accompany you on this hike. For info or directions call 716-213-0350 [contact us](#) or christine@pathspeakpaddles.com

Why Does the Groundhog Sleep?-10am at Sprague Brook Park| 9674 Foote Rd, Glenwood, NY 14069. Join Ranger Chuck on Groundhog Day to learn all about groundhogs and why they hibernate. We will check to see if the groundhog sees his shadow. Registration is required and is limited to the first 30 people who sign up. You must register individually and not as a group/family. Meet at the warming hut. [Register](#)

Sunday, February 3

Snowshoe Walk at Knox Farm State Park – 1 to 3pm. Join us for a healthy walk around Knox Farm State Park. Bring your own snowshoes or rent them from us! This is a snow dependent program. Pre-registration required by Saturday, February 2nd so that we can have snowshoes at the park for you. Please wear sturdy winter boots. Space is limited. Meet at the Knox Farm Visitor Center parking lot located on Buffalo Road by the red barns. Donations gratefully accepted. \$3 for snowshoe rental. Please call 585-457-3228 to register.

Sunday Snowshoes-10am at Chestnut Ridge Park| 6121 Chestnut Ridge Rd, Orchard Park, NY 14127. Join an Erie County Park Ranger for a snowshoe hike (snow shoes are weather permitting) through Chestnut Ridge each Sunday through the winter. Even if we can't snowshoe, we will lead a hike through the park. Wear boots, dress appropriately for the weather, and carry your 10 Essentials (water, compass, etc.). This will be a strenuous walk. Snowshoes are available to rent in the Casino. No reservations are required at this time.

GObike Buffalo Community Workshop: Wrap Your Bars-Bring your bike to this class and learn how to install new bar tape. We have several colors of foam tape to choose from starting at \$10 or bring your own. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Western NY Iris Society- meets at 1:30 p.m. on the first Sunday of the month at the Lancaster Library, 5466 Broadway, Lancaster. The territory that the Western New York Iris Society covers has expanded to include all of Western New York and Ontario. A 45-minute presentation will be given on various classes of irises that grow in our area. There will also be general gardening tips and a social time following the presentations. For this meeting, Joanne will speak on Japanese and Louisiana Iris.

Monday, February 4

GObike Volunteer Night-6 pm at 640 Ellicott Street. Check out the great video above on how fun it is to be a volunteer! [RSVP here.](#)

Tuesday, February 5

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/category/lecture-series/library/>

Film: Get Me Roger Stone-7pm. A special double-header. First, a screening of the award-winning Netflix documentary on [Roger Stone](#), the notorious political operative and dirty trickster linked with everyone from Richard Nixon to Donald Trump. Following the film, Jim Heaney of Investigate Post will conduct a live interview with Morgan Pehme, a producer and director of the film and former editor of City & State. Check out our [Facebook event page](#). Burchfield Penney Art Center, 1300 Elmwood Ave., Buffalo. [Get Tickets »](#) \$10 for general public; free to iPost members.

Tuesday Evening Snowshoe Hike-6-8pm, hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

Wednesday, February 6

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at City Hall., Buffalo. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Buffalo Talks: Proposing a New Linear "Rail" Park-Noon to 1pm at Buffalo Central Library. In Buffalo, wildlife is reclaiming an unused rail corridor. For a mile and a half, through the First Ward, the Valley, and the Perry Neighborhood, this land connects the DL&W Terminal in downtown Buffalo near Canalside to the Buffalo River across from Solar City. Since the fall of 2017, the Western New York Land Conservancy has been meeting with neighbors and community leaders to start a conversation about creating an inspiring and environmentally-friendly linear park and multi-use trail along this rail corridor. Come listen to Alicia Fahrner from the Land Conservancy fill us in on where this initiative is currently. Reserve your spot at <http://www.workingfordowntown.org/events/buffalo-talks-proposing-a-new-linear-rail-park-feb-6th-2019/>

In Practice: Alumni Symposium and Sydney Gross Symposium-2 pm - 6 pm at Hayes 403, UB South Campus. The event brings together alumni from architecture, urban planning and real estate development, to discuss different forms of practice that they are engaging in. The speakers have all graduated from one of the programs offered at the School of Architecture and Planning in the past 10 years, and each has taken a distinctive path since. The symposium offers current students and other members of the School and community an opportunity to consider modes of practice within the realms of architecture and planning and at the intersection with other disciplines.

Climate Smart Communities Webinar: Advancing Food Scraps Recycling in NYS-10:30 AM - 12:00 PM. This webinar will provide an overview of two state grant programs that are available to local governments to support the recycling of wasted food. If you plan to attend, please provide your name, email, and community affiliation to the DEC Office at climatechange@dec.ny.gov or 518-402-8448. In the event that we postpone the webinar, respondents will be notified. Registration is recommended but not required. Join the webinar at [here](#) and use the password NYSDEC1.

Thursday, February 7

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Adventures in Buffalo History-This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: \$10. [Explorer Pass](#) Holders: Free. Topic: The Library in Erie County: A Short History & Overview of the Current Library System, The Village of Depew: Chauncey Depew, Railroads, and F.L. Olmsted. [Register.](#)

Making Elderberry Syrup- 6:30 - 8:30pm, Community Education Program at Buffalo Seminary, 205 Bidwell Pkwy, Buffalo. Cost: \$24 includes 4 oz bottle of elderberry syrup, recipe, samples and emailed powerpoint presentation. Optional Lab fee: \$8.50 elderberry syrup kit (makes approximately 2.5 cups syrup). Elderberry is a locally abundant herb that has traditionally been used for its immune boosting properties. Research has confirmed its antiviral nature, and its potential support in avoiding cold and flu. In this workshop, Community Herbalist Sarah Sorci of Sweet Flag Herbs will discuss identification and harvest, properties, and uses of elderberry syrup. Participants will learn about a few of Sarah's favorite ingredient additions, like rosehips and astragalus root. Sarah will demonstrate the preparation of elderberry syrup, and each participant will take home a 4 oz bottle made with local raw honey. Elderberry syrup is safe for adults and children over the age of 1 year. To register, contact Elizabeth Coffey at lcoffey@buffaloseminary.org or (716) 885-6780 Ext. 202.

Genesee County Master Gardeners Talk-free from 12:15 to 12:45 p.m. on the first Thursday of the month at the Cornell Cooperative Extension office, 420 E. Main St, Batavia. Take your lunch. Registration is not required. ["Seed Starting Basics"](#) Starting your own seeds is a great way to get a jump on the growing season. It also gives you access to hundreds of specialty varieties that you won't find at your local nursery. The presentation will demystify seed starting at home with easy-to-follow instructions and insightful tips for both novice and experienced gardeners.

Orchard Park Garden Club- 1 p.m. at the Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 1 p.m. with refreshments at 1:30 p.m. and the program at 2 p.m. Mark Carra, Naturalist in Residence at Beaver Meadow Nature Center, will present a talk on pollinators.

SPCA Wildlife Dept. Volunteer Orientation-RSVP mandatory. 6 to 7:30pm. To reserve a spot, call Barbara Haney at 875- 7360 ext. 220 or email barbh@yourspca.org. Volunteers must be 18 or older. Info at <https://yourspca.org/events-calendar/wildlife-department-2019-new-volunteer-orientation/>

Friday, February 8

Cocktail Bitters and Beyond: Reconnecting with a Lost Flavor-beHealthy Institute from 6:00 – 8:00 pm. Cost: \$29 includes recipes, many samples, and herb seed packet. Whether splashed into a cocktail or used medicinally before meals, bitters have an array of health benefits for the human body. Throughout our history, the human gastrointestinal tract (and several other body systems) developed a complex relationship with bitterness—including special bitter receptors—and our bodies require this flavor for healthy functioning. As we sample bitter tinctures and cocktail recipes, Community Herbalist Sarah Sorci will explore the range of effects that bitterness has on the body, including stimulation of digestive secretions, improved absorption of nutrients and fats, support of healthy blood glucose levels and weight, stress management, and more. Sarah will describe the specific properties of some of her favorite herbs, focusing on those that can be cultivated or sustainably wild-harvested in New York State. Participants will take home a seed packet for cultivating your own bitters at home. [Click here to register.](#) 40 Main Street, Hamburg, NY 14075, 716-648-3400. info@behealthyinstitute.com

Buffalo Astronomical Association Meeting-7:30 to 10:30 pm at Buffalo State College, C122 Classroom Building. <https://buffaloastronomy.com/events>

Saturday, February 9

Beekeeping 2-9am to pm. The information we'll discuss in this class is designed for new beekeepers who have either taken the first class in the series (Beekeeping 101 on 1/26) or beekeepers who have a basic knowledge but want to dig a little deeper. [Register.](#) Masterson's Nursery-725 Olean Road, East Aurora NY 14052.

Cabin Fever Series: Ice Bridge of Niagara-10:00 a.m. – 12:00 p.m. at [Niagara Falls State Park.](#) This month's presentation is Ice Bridges of Niagara. Winter brings people to Niagara to enjoy the beauty of the ice and snow and see if the "bridge" of ice has formed. Come listen and see photos from yesteryear when people were allowed on the ice! *For information & registration call (716) 282-5154.*

The History of Ellicott Creek Park-10am at Ellicott Creek Park| 1 Ellicott Creek Dr, Tonawanda, NY 14150. Join Ranger Jerry as we explore Ellicott Creek Park and learn about the history of one of Erie County's Heritage Parks. We will talk about what a heritage park is, how it came to be and what the future may hold. This will be an outdoor presentation, please dress accordingly. Registration is required and is limited to the first 25 people who sign up. You must register as individuals and not as a group/family. Meet at the Casino. [Registration](#)

Woo at the Zoo-2:00 p.m. – 4:00 p.m. for Adults (ages 18+). Did you know that zoo animals have their own dating service, similar to Tinder or Match? In this adults-only workshop, we will learn about how they celebrate Valentine's Day in the animal kingdom, see how we find mates for zoo animals, and even make and deliver a special treat for one of our famous animal couples here at the zoo. Registration info at <https://buffalozoo.org/single-experience/wild-workshops/>

Dare to Repair Café- 9:30am to 12:30pm at Hamlin Park #74, 126 Donaldson Rd., Buffalo. Community event where you can bring broken items that may be able to be repaired by volunteers. Free. www.thetoolibrary.org/daretorepair

Forest to Lake Snowshoe Hike-10am to noon at [Evangola State Park.](#) Explore nature's outdoor wonders snowshoeing the park's forested trails and ending with a look at Lake Erie's famous Ice Volcanoes! Snowshoes will be provided. *For information & registration call (716) 549-1050.*

Winter Wonderland in the Woods-noon to 4pm. Discover the woods in winter! Try snowshoes or cross-country skis for free and make snow art. Enjoy ice-fishing demonstrations, winter crafts for kids, and more! Refreshments for sale. For more information, visit www.reinsteinwoods.org or call 716-683-5959. No registration required. Reinstein Woods Nature Preserve, Depew.

Backyard Birds and Birdfeeders – 1 to 3pm. Join Buffalo Audubon Naturalist Tom Kerr at Beaver Meadow for a birdfeeder demonstration and learn about the common birds that frequent our backyards. All participants will receive a coupon good for 30% off a birdfeeder or bag of birdseed in the Beaver Meadow Gift Shop. Pre-registration is required. \$5. Please call 585-457-3228 to register.

Signs of Life – 3 to 4:30pm. Buffalo Audubon Naturalist Mark Carra will take you on a hike around Beaver Meadow to search for tracks and other signs of the wild creatures that live here. Which direction were they travelling, did they climb or jump, and what are they telling us with what signs they leave behind? Pre-registration is required. 5. All ages. Younger children must be accompanied by an adult. Please call 585-457-3228 to register.

WNY Climate Conversations- 1-4PM at the Burchfield Penney Art Center, 1300 Elmwood Ave., Buffalo. Free and open to the public. Join others for a discourse on creating a sustainable future in WNY Learn about climate change in our region and how to prepare for it, create space for climate dialogue, and hear from youth that are making a difference. The WNY Climate Conversations are an opportunity to discuss climate change and environmental justice with the people in our networks and communities. Participants will walk away with some tools and information needed to take action for climate justice and resilience in our Western NY! Registration: <https://wnymasterteachers.wufoo.com/forms/wnyclimateconversations/>

Growing your Own Produce: Planning, Designing and Framework for our Climate Zone- 11:30 a.m. at the [Massachusetts Avenue Project](#) (MAP), 387 Massachusetts Ave., Buffalo. You will learn what to do in your garden, month by month, to successfully grow your own produce. From small container gardens to larger backyards, This class is catered to you and the group of beginning gardeners who will join you in learning how to grow your own produce. [Register here](#) per class or the whole series.

Snowshoe & Yoga at the Stella Niagara Preserve-10 am-1 pm. Please join WNY Land Conservancy at the Stella Niagara Preserve for a fun event with Spencer Jones. Enjoy a snowshoe walk on paths around Stella's wintry meadow and listen to the sounds of the mighty Niagara River as it flows along the shore. The walk will be followed by a grounding and invigorating vinyasa yoga class inside the cozy Stella Niagara Center for Renewal. No yoga experience is required—yogis of all levels are invited to participate. Tea and snacks will be served. Please register in advance. The [registration](#) fee is \$35 and a portion will benefit the Land Conservancy.

Snowshoe Tour: Headwaters Fundraiser-10am to noon at Hunter's Creek with Buffalo Niagara Waterkeeper. Join us to enjoy the snow while exploring the forests of Hunters Creek County Park, located in the headwaters of the Niagara River Watershed. By purchasing a \$15 ticket to this tour you are helping us protect water at the source. Physical Intensity: moderate. [REG](#)

Cages/Logging Exhibition Opening and Reception-6 pm - 8 pm, UB Anderson Gallery, 1 Martha Jackson Place, Buffalo, NY 14214. The exhibition runs Feb. 10 - May 12, 2019. Presenting the work of a graduate research studio and research seminar in architecture, Cages / Logging composes two parallel narratives that explore the processes by which nature becomes a material space charged with intellectual emotion and tactility.

Citizens Lobbying Workshop: How to make elected officials hear your voice-10am to noon. Letters to the editor, phone calls, petitions, personal visits ... what are the best ways to make your voice heard? Come and find out from our experienced community activist. You'll learn how a bill becomes a law, how to track its progress, how to conduct a lobbying visit, how to follow up and much more. Training conducted by Ann Converso, LWVBN Legislative Advocacy Chair. Free and open to the public! Reservations required. Refreshments will be served. RSVP by **Tuesday, February 5** [online here](#), by email to lwvbn@lwvbn.org, or by calling the League office at (716) 986-4898. Harlem Road Community Center, 4255 Harlem Rd, Amherst, NY 14226.

Free Snowshoe Demo-Come out and try snowshoeing with the instructors and guides from Paths, Peaks and Paddles who can assist you with putting on your snowshoes, the use of poles and walking on the snow. You will then have the opportunity to take a short tour in the park so you can experience how to walk with snowshoes. Join us at Ellicott Creek Park off Niagara Falls Blvd Tonawanda, NY. We will be located next to the sledding hill in the park from 10:00 am to 2:00 pm. We will have available for sale hot drinks to include hot chocolate and the introduction to Russian Tea. Dress for the weather! If you have any questions [contact us](#) 716-213-0350 or christine@pathspeakspaddles.com

Sunday, February 10

Frozen Swamp Walk-10am to noon at [Evangola State Park](#). Venture out for a unique chance to explore a forested swamp frozen in time. *For information & registration call (716) 549-1050.*

Gardening Workshop: Native Plants - 3pm. Urban Roots, 482 Rhode Island, Buffalo. Required pre-registration-716-783-9653 or heather@grassrootsgardens.org

Sunday Snowshoes- 10am. Join an Erie County Park Ranger for a snowshoe hike (snow shoes are weather permitting) through Chestnut Ridge each Sunday through the winter. Even if we can't snowshoe, we will lead a hike through the park. Wear boots, dress appropriately for the weather, and carry your 10 Essentials (water, compass, etc.). This will be a strenuous walk. Snowshoes are available to rent in the Casino. No reservations are required at this time.

Monday, February 11

Concord Garden Club Meeting- 10:30 a.m. at the Concord Senior Center, 40 Commerce Dr., Springville. Linda Sipiga will talk about home greenhouses and starting seedlings.

Tuesday, February 12

Toddler Time: Nature's Valentine – 10 to 11:15am at Beaver Meadow Audubon Center. Bring your little ones and join us in an outdoor excursion to look for heart shapes in nature! Afterwards, we'll make a simple craft and warm up indoors with a snack! If the weather is not cooperative, we'll work inside the Nature Center! Pre-registration is required. \$3 per child. Ages 2-4. * Please note change in date from 3rd Tuesday to the 2nd Tuesday of the month. Please call 585-457-3228 to register.

Kenmore Garden Club- 10am in Kenmore United Methodist Church, 32 Landers Rd., Kenmore. John Ruck, owner of Earth Steward, will present a lecture demonstration on how to save our trees and keep them healthy.

GreenNY Sustainability Series of Webinars- [webinar link](#)- 12 to 1pm. give you simple tips and tricks on ways to help the environment and save money. Webinars take place at noon on the second Tuesday of the month.

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/category/lecture-series/library/>

ADK General Membership Meeting- 6:30pm – 9:00pm at Amherst Community Church, 77 Washington Hwy, Buffalo, NY 14226. Topic-education talk on backcountry stoves.. 7:30: Presentation–by educator/photographer Mary Lou Frost. She will open our eyes to the extraordinary underwater ocean beauty through her years of oceanic photography. Looking forward to her sharing her aquatic adventures and experiences and educating us on the delicate nature and importance of preserving our coral reefs.

Niagara Frontier Botanical Society Meeting: "Unique Sedges of New York."-Speaker Scott Ward will discuss this often overlooked and under-appreciated group of plants, with special notes on their subgroups and habitats. Mr. Ward is a graduate student at SUNY-Brockport. In 2015 he was awarded a grant to begin a long-term tree study in Bergen Swamp, and has also undertaken projects studying plant cover in a section of 12-Mile Creek and invasive swallowwort in various habitats. All General Meetings and Field trips are open to the public and free of charge 7:30 p.m. at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder.

Tiftt Adult Workshop: Wild Love Trivia- Adults 18+, \$12, 7 to 8:30pm. Sign-up for a special evening of ADULT-ONLY fun, food and science! Meet local nature-enthusiasts, share your interest and learn something new! Refreshments provided. The birds and the bees know what they're doing, but do you? Bring a mate and guess how wildlife express their love during this hilarious, interactive trivia game. Chocolates and strawberries included. *Advance registration required by February 11.* Snowshoe rentals are additional \$2 per person, weather permitting. [register](#)

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeaksaddles.com or call us at 716-213-0350 for the evening adventure.

Wednesday, February 13

Wild Wednesday-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

Senior Stroll-10am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Educator Workshop: Growing up Wild-4 to 7pm. This program provides early childhood educators with an activity guide featuring 27 field-tested, hands-on, nature-based activities for indoor and outdoor fun. Activities incorporate art, music, reading, math and more. For educators of students ages 3 to 7. Three CTLE hours provided. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Historic Homeowner Tax Credit Drop-In Workshop-PBN offers monthly workshops on the second Wednesday of every month in our offices at 617 Main Street, Suite 201, Buffalo 14203. The Drop-In Workshop is a chance to get information about the NYS Historic Homeowner Tax Credit program and to even bring in your own application with any questions! 6:00 pm-6:30 pm— NYS Historic Homeowner Tax Credit Program Info Session, 6:30 pm-8:00 pm— Questions & Individual Application Reviews. The Drop-In Workshop is \$10 for the general public and free for PBN members.

Buffalo Ornithological Society Meeting-Buffalo Science Museum @ 7pm, Cummings Room. Topic: Rarities from last year.

Tales of Mastodons (and Others) from the Hiscock Site- 7:00 pm An illustrated presentation in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. Dr. Richard S. Laub will present on the Hiscock site which is a paleontological and archaeological site in northern Genesee County. It was excavated by the Buffalo Museum of Science from 1983 to 2011, revealing a rich record of changing faunas, floras, cultures and environments over the past 13,500 years. Admission \$4, or FREE to Penn Dixie members and their guests. No registration needed.

Zhu Pei UB Confucius Institute Distinguished Architecture Lecture- 6 pm - 7:30 pm at Hayes 403, UB South Campus. The work of the notable Chinese architect Zhu Pei, founder of Studio Zhu Pei, reflects a deep understanding and particular awareness of societal traditions, history and the tectonics of building in China. His recent design for the new Museum at the Imperial Kiln in Jingdezhen presents a sensitive addition on a site of national significance yet one that simultaneously explores materiality and constructional innovation. In his lecture at UB's School of Architecture and Planning the architect Zhu Pei will trace the roots of his work and that inspiration through examinations of current design proposals.

Hamburg Garden Club- annual membership tea at noon Wednesday, Feb. 13 at the Hamburg Community Center, 107 Prospect Ave., Hamburg. Take your own place setting and a plate of tea sandwiches or desserts to share. Guests are welcome. If you are interested in attending the party as a guest, please make your reservation at lonabutler4@gmail.com.

Behind the Sciences Tours: Cabinets of Curiosities- Buffalo Science Museum, 5 to 7pm for 18+, \$25 per participant which includes museum entry. Register online or by phone at least one week in advance. Take a peek into the Vertebrate Zoology Collection's spine tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! [Register](#)

Thursday, February 14

Valentine's Day Candle Lantern Walk-6:30 p.m. – 8:00 p.m. at DeVeaux Woods State Park. Bring your family, friends, significant other or just yourself out for a fun-filled night. Sip some hot chocolate while making your own lantern then enjoy a walk through the old growth woods. ***For information & registration call (716)282-5154.***

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

WNY Stormwater Coalition Meeting-2 to 3:30pm at Julia Boyer Reinstein Library, 1030 Losson Rd., Cheektowaga.

Western NY Forest Pest Taskforce (WEABTF) -9:00 am at Erie County Emergency Service Training Center, 3359 Broadway, Cheektowaga, NY 14227. The conference call number is 1-866-742-8060. Enter 8507436#

Friday, February 15

Hemlock Woolly Adelgid Survey- 1:00pm. Join us as we explore our backyard and survey the Jamestown Community College and Roger Tory Peterson Institute's preserves. We will meet in the RTPI parking lot at 1pm to provide instruction and work our way through the preserves. Questions? Contact Elyse Henshaw RTPI Conservation Technician at ehenshaw@rtpi.org or by calling 716-665-2473 ext. 231 or Jonathan Townsend CWC Lands Manager at jonathan@chautauquawatershed.org or by calling 716-664-2166.

Chemistry of Love-6 to 9pm at the Science Museum. \$21. [Register](#). We've got chemistry! Explore the Museum and the scents of attraction. Discover the power of pheromones in courtship and predator-prey relationships. Beer and wine available for purchase. **Includes admission to THE ART OF THE BRICK, presented by M&T Bank**

Saturday, February 16

Winter Wonderland Ski Tour!-10am to noon at [Evangola State Park](#). Cross-country skiing is a wonderful way to enjoy winter at nearby parks without a long drive! Learn from the Buffalo Nordic Ski Club experts how, or improve your technique, on a cooperative ski tour program with NYS Parks. *For information & registration call (716) 549-1050.*

Free Workshop: Fruit Trees, Pruning, Five Points Ornaments -2pm at Urban Roots, 428 Rhode Island St. A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. To register or for any questions please email info@urbanroots.org or call 716-362-8982.

Olmsted Winter Blast: MLK Jr. Park Basin-11am to 1pm. Celebrate the opening for the skating season, presented by [BlueCross BlueShield of Western New York](#), the [Buffalo Olmsted Parks Conservancy](#) and the City of Buffalo. There will be indoor and outdoor activities planned for that afternoon. This event is FREE and open to the public. MLK Jr. Park Casino and Basin, free parking at (1) West Parade Circle and Humboldt Parkway South, and (2) North Parade Avenue and Northampton Street. [Click here to view the Facebook event!](#)

Birding Snowshoe Walk-10am. Look for winter birds on a snowshoe walk and learn about the Great Backyard Bird Count. We will walk even if there is no snow. Snowshoe rental: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Great Backyard Bird Count at Beaver Meadow – 10am to noon. Join Birders from all around the world on the biggest weekend in birdwatching! Buffalo Audubon Naturalist Tom Kerr will go over everything you need to know to participate, including beginner birding tips, choosing the right binoculars, and submitting an eBird Checklist. Binoculars are available. Pre-registration is required. \$5. Please call 585-457-3228 to register.

Horticulture V Classes-The Buffalo and Erie County Botanical Gardens will hold a series of [Horticulture V classes](#) from 11 a.m. to 1 p.m. on five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The cost for Botanical Gardens members is \$100 for the entire series or \$20 per class. For the general public, the cost is \$125 for the series or \$25 per class. The classes are taught by Horticulturist David Clark. These classes are intended for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. More information and registration is available [online](#).

Wildlife Ecology and Surveys- 10:00am-12:30pm at Chaffee Preserve. A challenging hike through mature forests with a focus on wildlife adaptations, behaviors and general ecology. As part of the experience, participants will assist in an ongoing wildlife survey for the Preserve. Free of charge - Sponsored by Waste Management of Chaffee. Info at <https://earthspiritedu.org/>

Woods Walk: Nature Guide's Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, Depew.

Western NY Tick Awareness Forum- 1:00 p.m. to 3:00 p.m. Frank W Bratt Agricultural Center; 3542 Turner Road; Jamestown, NY Learn about tick-borne diseases and how to reduce risk of encounters. Cost is \$5. Free tick removal kit for attendees who [pre-register](#). West Seneca Community Center; 1300 Union Road; West Seneca. Lyme disease and several other devastating tick-borne diseases are on the rise in New York due to an increase in the prevalence of ticks and human-tick encounters. The Governor and State Legislature have deemed Lyme and other tick-borne diseases a public health priority and are working to raise awareness about ticks, tick avoidance and management. Featuring a presentation from Lynn Braband of NYSIPM, health department officials, and a panel of community leaders. This event is brought to you by the New York State IPM Program and Cornell Cooperative Extension of Chautauqua, Erie, Orleans, Genesee, Wyoming, and Cattaraugus Counties. Online viewing is available by [Register Online](#).

Bluebird Nest Box and Bug Hotel Building- Start Time: 10 am-11 am OR 11 am-12noon, Program length: 1 hour per time slot. Spring is just around the corner which means our wild animal friends will soon be looking to start new families. If you would like to attract wildlife to your yard join us in building a bluebird box or a bug hotel or BOTH! If you love birds, you should also love bugs! Insects are the diet plan for all baby birds. Build a bug hotel to provide a food source for your feathered friends. Nature enthusiasts Tim Baird and Mike Ermer will be on hand to answer questions about these amazing animals. Craftsmen Joe Leo and Craig Myers will lead the construction activities. This program will take place at the Home Depot, Olean. Preregistration is required and can be done through Pfeiffer Nature Center by **4 pm, Thursday, February 14th**. Reservations are limited and are on a "first come first serve basis". Program fee: \$10 per bird nest box or bug hotel and group of builders (1-3 participants per group). Children must be accompanied by adults. [Register here](#) or contact the office at 716-933-0187. Pfeiffer Nature Center is supported by United Way funding. Pfeiffer Nature Center where science, art & nature come together.

SPCA Wildlife Dept. Volunteer Orientation-RSVP mandatory. 1 to 2:30pm. To reserve a spot, call Barbara Haney at 875- 7360 ext. 220 or email barbh@yourspca.org. Volunteers must be 18 or older. Info at <https://yourspca.org/events-calendar/wildlife-department-2019-new-volunteer-orientation/>

Winter Tree ID-10am at Como Lake Park| 2220 Como Park Blvd, Lancaster, NY 14086. Join Park Ranger Roy for an introduction to identifying trees when the leaves have fallen. We will use clues other than leaves to begin learning about which tree is what. Wear boots, dress for the weather and bring your curiosity. Registration is required and limited to the first 25 participants who sign up. You must register as an individual and not as a group/family. Meet at the Casino. [Register](#)

Sunday, February 17

The Great Backyard Bird Count-10am to noon at [Knox Farm State Park](#). Get your binoculars ready and join us! This annual citizen science project invites birders of all ages to count birds to create a real-time snapshot of bird populations. *For information & registration call (716) 549-1050.*

Sunday Snowshoes-10am at Chestnut Ridge Park| 6121 Chestnut Ridge Rd, Orchard Park, NY 14127. Join an Erie County Park Ranger for a snowshoe hike (snow shoes are weather permitting) through Chestnut Ridge each Sunday through the winter. Even if we can't snowshoe, we will lead a hike through the park. Wear boots, dress appropriately for the weather, and carry your 10 Essentials (water, compass, etc.). This will be a strenuous walk. Snowshoes are available to rent in the Casino. No reservations are required at this time.

Fix a Bike Flat-Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss different types of punctures as well as flat prevention. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Winter Tree I.D.- 1:30 p.m. – 3:30 p.m. at [Knox Farm State Park](#). Identifying tree species in winter can be an exciting challenge. Hone your skills and learn to identify trees based on shape, bark, and twigs. *For information & registration call (716) 549-1050.*

Gardening Workshop: Seed Starting - 2pm. Urban Roots, 482 Rhode Island, Buffalo. Required pre-registration-716-783-9653 or heather@grassrootsgardens.org

Valentine Snowshoe Brunch at Bond Lake-11:00 am - 2:30 pm. This has been a much talked about favorite winter activity for everyone. If you haven't attended our brunch and hike you must this year! This exciting Sunday morning/afternoon adventure is a new twist to a normal "restaurant" Sunday morning brunch. Come and join us out at Bond Lake for a Dutch Oven Brunch. We plan to serve hot fresh baked goodies, mountain main breakfast (vegetarian mountain man breakfast will also be served), tea, coffee and hot chocolate. After you have had plenty to eat come and join us for an early afternoon snowshoe adventure through the park. If mother nature does not provide us with snow we will spend the afternoon hiking. Brunch will be served at 11:00 AM. If you have snowshoes the cost will be \$25.00 (this includes your brunch and guided hike). If you do not have snowshoes and need to rent [contact us](#) (direct link). Snowshoe rental with poles is \$10.00pp. Reservations are a must. If you have never snowshoed this is the time to come out and try it. Trails are easy to hike. Instructors and NYS Licensed Guides will accompany you on this hike. For further information [contact us](#).

Monday, February 18

National Battery Day-Recycle batteries responsibly. See the Tips for Environment below events for links.

Tuesday, February 19

Full Moon Snowshoe Walk-7pm. Join a guided snowshoe walk along the trails by the light of the full moon. Snowshoe rental: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Copernicus Hike – 6:30 to 8pm. Join Buffalo Audubon Naturalist Mark Carra for a Full Moon hike to celebrate the birthday of Nicolas Copernicus, the Polish born astronomer / mathematician that came up with a model of the solar system with the sun at its center. Pre-registration required. \$5. Please call 585-457-3228 to register.

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/category/lecture-series/library/>

Happy Birthday to Us-5:30 to 7pm. Investigative Post celebrates its seventh anniversary at Community Beer Works, 520 7th St, Buffalo. Join founder and editor Jim Heaney and his board and reporting staff as they celebrate seven years of award-winning journalism. Happy hour event is free to all. The first beer is on us! And maybe some cake, too. No pre-registration required. Check out our [Facebook event page](#). Tickets available at the door only. \$10 for general public; free to iPost members

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

2019 Greenhouse School-9:30 AM - 4:00 PM at CCE-Erie at 21 South Grove Street • East Aurora, NY 14052 (located in the Print Shop Building on the Roycroft campus). Workshop registration includes coffee, snacks and lunch. Sponsorship of program breaks and lunch has been provided by Syngenta and Ball Horticultural. Learn what is new in management of pests in commercial greenhouses from NYS IDM specialists, Cornell industry personnel and regional pesticide specialists. [View & print full agenda here.](#) [Registration](#)

Wednesday, February 20

Learn to Cross-Country Ski-10am. Learn the basics of cross-country skiing before going on a short guided ski tour. Ski rental: \$8/\$5 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Digiscoping Birds – 1:30 to 3pm. Join Buffalo Audubon Naturalist Tom Kerr at Beaver Meadow for a demonstration on how to use your binoculars or spotting scope for photographing birds with your smart phone. Bring a spotting scope if you have one! Binoculars and spotting scopes are available. Pre-registration is required. \$5. Please call 585-457-3228 to register.

Table Talks: “Architecture as a Tool for Community Transformation”-5 to 8pm at University at Buffalo, Hayes Hall, Rm 403, 3435 Main St., Buffalo and will feature a professional networking session in conjunction with an AIA continuing education credited panel discussion. The networking portion of the evening is set up career fair style and will feature a series of Tables decked out by our many sponsoring firms. Attendees are encouraged to mingle about and converse with the participants about their ongoing work, including opportunities for employment and partnerships. The panel discussion will be about the community transformation taking place through the Northland Beltline Redevelopment Project: Northland Central and the Northland Workforce Training Center. Panelists representing the architect, owner, construction manager, and end user will share their experiences throughout the project and their roll in transforming a community. The purpose of this event is to foster relationships within the A&E community between students and industry leaders working locally in the profession. Our goal is to give students a better idea of what opportunities are available to them here in Western New York, and to build up our city and our workforce. This event is free and open to the public. There is one (1) AIA learning unit available for those who attend. Online registration is required and may be done by clicking [here](#). A buffet of light refreshments and a cash bar will be available throughout the evening.

Behind the Scenes: Knox your Average Piggy Bank-6 to 8pm at the Buffalo Science Museum for adults 18+. Cost \$25 which includes museum entry. Go behind the scenes to see what few have seen and explore the Museum’s Collection. Tours are approximately two hours in length. Register online or by phone at least one week in advance. Come behind the scenes and learn about the Knox Money Collection and the evolution of money. [register](#)

Preservation Funding for Nonprofits-6pm. 617 Main St., Buffalo. Are you a community group or non-profit looking for some help for a preservation project? Join us as we review a variety of different funding sources and organizations that can help. Questions? Contact Christiana at (716) 852-3300, or climmiatis@pbnsaves.org. [Click here to register \(suggested donation of \\$10\).](#)

Thursday, February 21

Under the Ice-10:30am. Come explore the winter world of our ponds. Children will participate in hands-on activities and games to discover how turtles, frogs, beavers, and more survive under the ice. For children in grades K through 5. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Snowshoe Social – 10am to noon. Join Buffalo Audubon Naturalist Mark Carra for a leisurely snowshoe hike around Beaver Meadow to marvel at the winter beauty that will surround us and enjoy hot chocolate, coffee, or tea and good conversation about nature. Family friendly event Pre-registration is required. \$5. Please call 585-457-3228 to register.

Adventures in Buffalo History-This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: \$10. [Explorer Pass](#) Holders: Free. Topic: **Antislavery Conventions in Buffalo and Banking in Buffalo.** [Register.](#)

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

"How I Built It" Buffalo River Small Business Panel- 6 to 7:30pm at Lakeward Spirits at The Barrel Factory – 65 Vandalia Street, Buffalo, NY 14204. Join Buffalo Niagara Waterkeeper, Erie County, and Buffalo River RAP for the Buffalo River Speaker Series. Get to know the Buffalo River Small Business Community at this event. Speakers include representatives from Elevator Alley Kayak, Undergrounds Cafe, and other local businesses! [REGISTER FOR FREE](#)

2019 Midwinter Celebration-Join Working For Downtown from 5:30pm to 7:30pm at the new Aloft Hotel at 500 Pearl street for our Midwinter Celebration. This new mixed use development is on the corner of Pearl and W. Tupper with the parking ramp entrance on Franklin street. Tour of the 12 – story new build Aloft Hotel and the adjacent fully renovated Buffalo Christian Center, Complimentary parking in the Aloft Hotel parking ramp (entrance on Franklin street), Complimentary welcome glass of bubbly (or preferred drink) followed by a cash bar, Generous spread of appetizers, Learn about WFD's upcoming events and happenings in the first half of 2019. [Tickets and info.](#)

Beakers & Beer-5 to 7pm. Buffalo Niagara Medical Campus's signature networking event, at Hauptman-Woodward Institute. These free socials are open to employees on the BNMC and members of the community, but registration is required. [Register](#)

Friday, February 22

Family Nature Quest: Snowshoe Walk-10:30am. Join us for a morning snowshoe walk along the trails as we look for signs of wildlife. Snowshoe rental: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Deafness and Architecture-1 pm - 4 pm | 403 Hayes Hall | UB South Campus. This symposium will explore the intersection of architecture and deafness including the architecture of schools for the deaf (the past), "Deaf Space" (the present) and the impact of evolving technology and cultural attitudes toward deafness (the future). "Deafness and Architecture" is organized by Edward Steinfeld, UB architecture professor and director of the Center for Inclusive Design and Environmental Access at the School of Architecture and Planning; and Michael Rembis, UB associate professor of history and director of UB's Center for Disability Studies.

Saturday, February 23

Building A Legacy Conference- student conference on professional development, social justice, and leadership. It aims to guide students in the resources needed to be an active member in their communities along a variety of career paths. The conference fee for attendees is \$10. Daemen College. Pre-registered participants only. <https://www.eventbrite.com/e/building-a-legacy-conference-2019-registration-50972840137>

Birding on the River-10am to 12:30pm at [Beaver Island State Park](#). Join us as we search for migratory waterfowl and other wintering birds found along the Niagara River. We will visit several viewing areas found in our state parks. *For information & registration call (716) 282-5154.*

Stories in the Woods-10am. Enjoy hearing a nature story, followed by a guided walk in the woods. For children ages 3 to 7. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Birding 101: CLASS #2-2:30pm. Join us for a bird identification adventure. This is a continuation of class #1 in January, but new participants are welcome. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Buckhorn Island Birding – 10am to 1pm. Join Buffalo Audubon Naturalist Tom Kerr for a Birdwatching Hike through Buckhorn Island State Park. The Niagara River hosts one of the biggest congregations of migrating waterfowl in North America. Meet at Woods Creek lot on East-West Park Drive. Binoculars available. Pre-registration required. Donations gratefully accepted. Call 585-457-3228 to register.

Free Workshop: Seed Starting (Culinary Herbs)-2pm at MAP Farmhouse, 387 Massachusetts Ave. A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. To register or for any questions please email info@urbanroots.org or call 716-362-8982.

2019 Communities in Bloom-9am to 2:30pm, one day seminar by Cornell Cooperative Extension. Cost \$25 for general public, registration required. Location: Unitarian Universalist Church, 695 Elmwood, Buffalo, NY. https://reg.cce.cornell.edu/InBloom_214

Ice Age Trek – 10 to 11:30am. Join Buffalo Audubon Naturalist Mark Carra on a walking journey back in time to when the glacial ice was a mile thick at Beaver Meadow. We'll learn about the mega-fauna that called this area their home, from the enormous ice age beaver to the giant flying Teratorns! Pre-registration is required. \$5. Family friendly event. Please call 585-457-3228 to register.

Horticulture VI: Great Grasses and Lawn Care-The Buffalo and Erie County Botanical Gardens will hold a series of [Horticulture VI classes](#) from 11 a.m. to 1 p.m. on five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. Cost for Botanical Gardens members is \$100 for the entire series or \$20 per class. For the general public, the cost is \$125 for the series or \$25 per class. These classes are intended for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. More information and registration is available [online](#).

Pajamas in the Wild- 6:30 - 9:30 p.m. at Tiff Nature Preserve. \$15 per participant* | Ages 5+. Come in the comfort of your PJ's for a leisurely family night hike, hot cocoa bar and snacks, children's storytime by candlelight, and nature crafts and activities in our cozy cabin setting. *Advance registration required by February 21.* [register](#)

Sunday, February 24

Snow Rolls!- All bike rides meet at noon, ride at 1230pm, party at 130pm. Location- Macky's Shamrock Room (1634 Bailey Avenue)

Cables and Housing for Bikes- Bring your bike to this class and we will help you install new cables and housing for your brakes and shifters. We have cables for \$3 and housing starting at \$1 a foot. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

WNY Hosta Society- 2 p.m. meeting at the Aurora Senior Citizens Center, 101 King St., East Aurora. Doors open at 1:30 p.m. Open to all.

Sunday Snowshoes-10am. Join an Erie County Park Ranger for a snowshoe hike (snow shoes are weather permitting) through Chestnut Ridge each Sunday through the winter. Even if we can't snowshoe, we will lead a hike through the park. Wear boots, dress appropriately for the weather, and carry your 10 Essentials (water, compass, etc.). This will be a strenuous walk. Snowshoes are available to rent in the Casino. No reservations are required at this time.

Monday, February 25

Japanese Stiltgrass Update-6:00 – 7:30pm at 101 King St, East Aurora, NY 14052. Japanese stiltgrass, an early detection priority invasive species, was found in the Village of East Aurora and reported to WNY PRISM in 2017. In response, WNY PRISM partnered with the Village of East Aurora and Town of Aurora to start and education campaign to raise awareness of this species and the threat it poses. In 2018, WNY PRISM mailed over 2500 post cards to residents surrounding the known infestation and conducted site surveys looking for Japanese stiltgrass. This presentation will provide background on Japanese stiltgrass, an update on outreach and survey efforts, information on best management practices, and include a discussion about next steps. Please join us!

Tuesday, February 26

Show and Share for Environmental Educators-9:30am to 3:30pm. Demonstrate your hands-on environmental/ outdoor education (EE/OE) activity, resources, and written lesson plan with workshop participants. Each "share time" is up to 15 minutes in length. Genesee County Park & Forest, 11095 Bethany Center Rd., East Bethany, 14054. To register contact Kimberly at kadriaansesn@sciencebuff.org. Register by Feb. 6. Free event. Sponsored by the New York State Outdoor Education Association www.NYSOEA.org. To share an activity, please submit to kadriaansen@sciencebuff.org your activity lesson plan and resource files to be shared, BEFORE Wednesday, February 20. Be sure to specify if any particular materials are needed the day of, if you have a time preference, and whether the activity will be shared inside or outside. Each activity will be shared within a 15 minute time frame (think "speed-dating"/ or a delicious "flight" of multiple activities). After the workshop, lesson plan PDF's will be posted on NYSOEA.org under "Member Resources". Although it is preferred that participants share an activity and attend the whole workshop, neither are required. Please bring your own bag lunch if attending the whole event. Light refreshments will be offered; please feel free to bring something to share!

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/category/lecture-series/library/>

Sierra Club Monthly Meeting-7:00-9:00 PM, Daemen College, 4380 Main Street Amherst, Research and Information Commons (Library) Room 101. All are welcome.

Little Tykes Mini Nature Camp-Tiff Nature Preserve, 9:30-11:30am, \$7 per child with adult* | Ages 3-5 [register](#). Enjoy a morning of fun and exploration in our early childhood classroom. Storytime, crafts, outdoor investigation and more help to foster the nature explorer in your child. A different theme each month. Kid-friendly snacks provided! *Advance registration required.*

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

Wednesday, February 27

Wednesday Winter Walk-10am to noon at [Evangola State Park](#). Head out for a scenic walk through Evangola as we decipher animal tracks and enjoy the winter snow. *For information & registration call (716) 549-1050.*

Buffalo History Museum Lecture: Nikola Tesla, The Man and His Legacy-6pm talk. Through a dynamic visual presentation, we will take a trip to discover where we are, how we got here, and where we may be going in the future. We will see how Nikola Tesla changed our civilization over 125 years ago and how he could possibly help to change it yet again in the future. Members free; museum admission.

Architecture Talk: Mustafa Faruki-6 pm - 7:30 pm at Hayes 403, UB South Campus. "IF". Mustafa will speak about some of the projects currently installed in the lobby of Hayes Hall. This exhibition also includes UB architecture student work that has emerged from his seminar in connection with the 2018-19 Reyner Banham Fellowship.

Gyotaku and Other Nature Prints: Adult Workshop-Buffalo Science Museum from 6 to 7:30pm. Experiment with different nature print-making processes, including a version of gyotaku, printing fish. In this workshop, participants learn the history behind various printing processes and can try a few of their own. \$15. [Register](#)

Thursday, February 28

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Friday, March 1

Unlocking Impact: Keys to Successful Partnerships- 8am to 4pm at Hilbert College. A learning conference designed to elevate thinking, ideas and practices that can create positive shifts in the work we do in our community. Hosted by the WNY Service-Learning Coalition, the conference brings community champions, practitioners, faculty, staff and administration, and students together to share and explore the partnerships created and the positive impact they have made. Highly interactive sessions will provide many opportunities for participants at all levels of experience and interest to be engaged in both learning and discussion. [Registration is now open for attendees at the \\$35 member institution rate.](#)

Educator Development Day in Agriculture-Based Education-8:30 a.m. to 2:30 p.m. in the Agriculture Discovery Center on The Fairgrounds, 5600 McKinley Parkway, Hamburg. Erie County Agricultural Society in cooperation Seeds of Living Education Organization is holding this day for community garden leaders, elementary through middle school educators and anyone working in youth development. The day will offer workshop sessions with experienced and fun instructors sharing lessons that can be taken back to your classroom or program. Lunch and refreshments are provided. Fee is \$50. Registration deadline is **Feb. 18**. [See details here.](#)

Saturday, March 2

Eco-Kids Series-10am to 11am at [Niagara Falls State Park](#). Calling all pre-school & elementary kids! Each month we'll explore a new topic, take a walk, and make a craft. Join us with your little one. *For more information & registration call (716) 282-5154*

Seed to Supper Garden Educator Prep Session- Cornell Cooperative Extension of Erie County will hold a preparation session for garden educators for Seed to Supper from 9 a.m. to 4:30 p.m. at True Bethel Baptist Church, 907 East Ferry St., Buffalo. Seed to Supper is a comprehensive beginner's guide to low-cost adult vegetable gardening. Garden educators share practical, low-cost techniques for building, planning, planting, maintaining and harvesting a successful vegetable garden. [Register here.](#) For more information, contact Sharon Bachman at sin2@cornell.edu or (716) 652-5400 x150.

Disease & Pest Management Workshop- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982. Urban Roots, 428 Rhode Island St., Buffalo.

WNY Hosta Society Breakfast- 10 a.m. at the Forestview Restaurant, 4781 Transit Rd., Depew. You must RSVP before 5 p.m. Friday, March 1 so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or H8staman@aol.com The is a social get-together. You pay for your own breakfast. Attendees are asked to bring to the table something that they can pass around and talk about. It can be a plant, seedling, catalog, magazine, book, favorite garden tool, new deer repellent or anything to get folks talking.

Sunday, March 3

Western NY Iris Society- meets at 1:30 p.m. at the Lancaster Library, 5466 Broadway, Lancaster. The territory that the Western New York Iris Society covers has expanded to include all of Western New York and Ontario. A 45-minute presentation will be given on various classes of irises that grow in our area. There will also be general gardening tips and a social time following the presentations. For this meeting, Annette will speak on Miniature Dwarf Bearded (MDB) and Standard Dwarf Bearded (SDB) Iris. Everyone is welcome to attend. For more information, call Marilee Farry, president, at 716-668-1789.

Bowl-a-Rama: Massachusetts Avenue Project Fundraiser- We need your help raising \$10K to support urban agriculture and youth development. So, gather a team of five and join us for an afternoon of bowling for MAP! [CLICK HERE FOR TICKETS](#), [Kenmore Lanes](#) from 1:30-4pm (bowling begins at 2pm). [Tickets can be purchased at this link](#). The cost of the event is \$25 per bowler or \$100 for a team of up to 5 people.

Tips for the Environment:

1. **Get Charged Up for National Battery Day which is February 18-** Visit [batteries](#) to learn about different types. Rechargeable batteries (including those in power tools and cell phones) can be dropped off at a number of stores (find a site [here](#)). There are currently no drop-off sites for single use batteries, but you can [purchase](#) a collection box or support a [store](#) or organization that has purchased one to ship these batteries.
2. **Repurposing bed sheets-**of course you can use them as rags, but here are a few other options depending on their condition. [Reusing bedsheets](#)

Remember the 4 R's: Reduce, Reuse, Recycle, Repair

By Lesley Haynes

Did you know that you can save your money and the environment by being vigilant when using your small electrical appliances? Here are some minor changes you can make:

Put Your Computer to Sleep: If you do not want to keep rebooting your PC, you can reduce the electricity consumption by putting both the monitor and the computer itself in sleep mode when they're not in use. Computers operating on snooze control use about 95% less electricity than those running on full power. A stroke of the key will wake up your computer right away.

Remove the screen saver from your computer. When those pictures are activated on your screen, the computer is still running on full power.

Workplace: Make sure you and your co-workers aren't leaving their computers on all night long. Make it a corporate policy to have all computers shut down at the end of the workday

Unplug electrical cords when they are not in use: Did you realize that your TV uses electricity even when turned off? The same goes for your stereo, coffee maker, garage-door opener, microwave oven, clock radio and other electronics. Yes, even chargers for cell phones and MP3 players siphon energy when plugged in— even if they're not charging a thing! Included are inkjet printers and iPod chargers. Unplug power adapters or battery chargers when equipment is fully charged or disconnected from the charger. These **'energy vampires'** add about \$200 to your annual energy bill. That's because the "off" button doesn't really mean "off" these days; instead, it means "standby." In fact, your TV, VCR, DVD player with remote control uses more energy during the 20 hours a day that it is turned off and in a "standby power" state than it does during the hours you watch the tube.

Take the time: In the evening when it is dark, turn off all lights and take a walk around your house as if you were a detective finding clues. Make note of all those little red (sometimes comes in other colors) dots that are innocently glowing in the dark. Plug all components of a computer or home entertainment system into a **power strip**. Turn off the power strip with a single switch when electronics and appliances are not in use. Anything plugged into the strip is truly turned off.

Do you really need everything that is plugged in? In my kitchen there was a clock on the stove, on the microwave, the coffee maker and another one on the wall. Four clocks in all! Just how many did I need to tell me the time in one room? I kept the one on the stove top connected and now I disconnect the others when not in use. I moved the wall clock to another room.

Let's talk about saving energy and money: The average U.S. household spends more than \$200 annually to power devices while they are "off". Microwave ovens, computers and TVs even when turned off continue to use energy. Like a leaky faucet, they are responsible for a tremendous amount of waste. In fact, 40% of the energy used to power consumer electronics is consumed when the devices are not in use. The typical American household has 27 appliances that are always on.

Make it a **routine** to shut off lights and electrical appliances whenever you leave a room. Put timers on lamps that will turn off lamps at the same time on a daily basis. Timers like these can be found in hardware stores and they can be plugged into your lamp.

Bottom line is: switch off anything that uses electricity when it is not in use.

"Together we can make a difference"

Lesley Haynes – lesleyhaynes14@yahoo.com

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 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.

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.

Queen City Farms- Contact Meghan at meghmccallum@gmail.com. Remember that families with children are always welcome with parental supervision.

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](#)!

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

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com>

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

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

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

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

<http://buffalorising.com>

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

Additional local blogs and websites-

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.ecattrail.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/>

Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>

Reuse Action-<http://reuseaction.com/blog/>

Rochester Environment- <http://www.rochesterenvironment.com/>

WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>

Outdoors Niagara- <http://www.outdoorsniagara.com/>

Environmental Tips- <http://www.globalstewards.org/ecotips.htm>

Buffalo Architecture and History- <http://www.buffaloah.com/>

Richardson-Olmsted <http://www.richardson-olmsted.com/>

Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029

Black Dog Rescue- www.blackdogsecondchance.org

Peace Weavers- <http://peaceweavers.org/>

Eco-Island Nature Center- <https://www.grandislandschools.org/domain/49>

NY Sport Fishing- <http://www.fishny.com/>
Erie Canal Trailway- www.ptny.org/bikecanal
Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>
Rochester Roots-<http://www.rochesterroots.org/>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
We Love Outdoors-<http://www.weloveoutdoors.com/>
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>
Citizen Science Opportunities- [listing](#)

County/New York State Resources

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

Green Jobs, Internships and Opportunities

Green Jobs- <http://www.greatgreencareers.com>
UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org
www.buffaloudubon.org
www.buffalogardens.com
www.buffscience.org
www.tiff.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

Education Resources

[Green Education Foundation](#)
[Facing the Future](#)
[Cloud Institute for Sustainable Education](#)
[Sustainable Futures Institute](#)
[Nature Generation.](#)
[The Center for Ecoliteracy](#)
[Hamline's Center for Global Environmental Education \(CGEE\)](#)
[The National Science Teachers Association Learning Centers](#)
[The US Partnership for Education for Sustainable Development](#)

Grant Opportunities/Tools

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>
<http://assembly.state.ny.us/gan/>
www.grantstation.com
www.grantwatch.com
www.grantsalert.com
<https://attra.ncat.org/index.php>
<https://grantsreform.ny.gov/>

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

Arden Farm- <http://theardenfarm.com/>
Becker Farms- <http://www.beckerfarms.com/csa>
Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>
Canticle Farms-<http://www.canticlefarm.org>
Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>

Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>
Dispenzas Meat Market and CSA- <https://dispenzas.com/>
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/>
Good Food Farm- www.goodfoodfarm.blogspot.com
Gormley Farms- <https://www.facebook.com/gormleyfarms>
Green Heron Growers- <http://www.greenherongrowers.com/>
Green Shoots- www.jersbuffalo.org/index.php/programs/category/Green_Shoots_for_New_Americans
Gregs U-Pick- <http://gregsupick.com/>
Groundwork Market Garden- <http://www.groundworkmg.com>
Harvest Patch- <http://www.harvestpatch.com/>
Kindred Kreek Farms- <https://www.kindredkreek.com/>
Little Bear Farm- <http://www.littlebearfarm.com/>
McCollum Orchards/Wildwood CSA- <http://www.oldfarmnewlife.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/>
The Promised Land- <http://promisedlandcsa.com/>
Providence Creek Farm- <http://www.providencecreekfarm.com/>
Richardson Farms/Grace's Garden- <https://www.facebook.com/groups/RichardsonFarmsAkronNY/>
Roots & Wings Family Farm- <https://www.facebook.com/rootsandwingsfarm/>
Root Down- www.therootdownfarm.com
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
Westside Tilth Farm- <http://westsidetilth.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>
Local Meats- <http://meatsuite.com/>
NY State Fruit and Vegetable Harvest Calendar- <https://www.agriculture.ny.gov/HarvestCalendar.html>

Local 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/>
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](http://realsimple.com)
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- <http://www.world.org/weo/recycle>
Water filters-Brita partners with preserveproducts.com/recycling
Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

Eco-volunteering with Travel:

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

Education Courses or Certificates:

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

Miscellaneous:

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](#)

Videos/Websites

[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.

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

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://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	http://www.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/
Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
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 Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloonithologicalsociety.org/
	http://buffalorecycles.org/

Buffalo Recycles

Buffalo ReUse

www.buffaloreuse.org/

Buffalo Urban Development Corp

<http://budc.ecidany.com/>

Buffalo Zoo

www.buffalozoo.org

Burchfield Nature and Art Center

<http://www.burchfieldnac.org/>

Center for Environmental Information (Rochester)

<http://ceinfo.org/>

Center for the Study of Art, Architecture, History and Nature

<http://buffaloah.com/h/center/index.html>

Chautauqua Watershed Conservancy

<http://www.chautauquawatershed.org/>

Chestnut Ridge Conservancy

<http://chestnutridgeconservancy.org/>

Citizens Campaign for the Environment

www.citizenscampaign.org

Citizens Coalition for Wildlife and Environment

<http://citizencoalitionwe.com/>

Citizens for Regional Transit

www.citizenstransit.org/

City Action Corps

www.cityactioncorps.org

Clarence Bluebird Trail

www.clarencebluebirdtrail.org

Clean Air Coalition of Western New York

www.cityactioncorps.org

Clean Communities of Western New York

<http://www.ccofwny.org/>

Coalition of Positively Charged People

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

Community Action Organization of Erie County

<http://www.caoec.org/>

Community Foundation for Greater Buffalo

<http://www.cfgb.org/>

Cornell Cooperative Extension for Cattaraugus County

<http://chautauqua.cce.cornell.edu/>

Cornell Cooperative Extension for Erie County

<http://counties.cce.cornell.edu/erie/>

Cornell Cooperative Extension for Niagara County

<http://counties.cce.cornell.edu/niagara/>

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/
Earth Spirit Educational Services	www.earthspiritedu.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	http://www.eriecanalharbor.com/
Erie County Community College Going Green	http://eccgoinggreen.ecc.edu/index.html
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
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.org
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org

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

Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://auduboncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Local Initiatives Support Corporation	http://www.lisc.org/buffalo/
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/centralwestern
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	http://www.nysaccny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/

New York State Parks	www.nysparks.com
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 State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafrontierbotanicalsociety.org/niagar
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
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
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	https://levesqueinstitute.niagara.edu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Buffalo-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/

Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
Urban Land Institute	http://newyork.uli.org
Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	https://voicebuffalo.org/
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Food Hub	http://wnyfoodhub.com

Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	http://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/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.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	https://wnyouthclimatesummit.org/