

Enviro-News

January 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:

After the Holidays Recycling

City of Buffalo residents can recycle numerous items on **January 5** from 9am to 2pm at the After the Holidays Recycling at the City of Buffalo Engineering Garage, 1120 Seneca St. Electronics, Christmas trees, Styrofoam, clothing and textiles will be accepted. For specific info, visit <https://buffalorecycles.org/>

NOFA-NY Annual Organic Farming and Gardening Conference

NOFA-NY's 2019 Winter Conference will take place **January 18-20** in Saratoga Springs, NY and is themed "Climate of Change." We are excited to announce Leah Penniman of Soul Fire Farm as our Keynote and to host the Northeast Organic Seed Conference, with Ken Greene and Rowen White opening the conference on Friday evening! Registration is open. [Visit our conference website](#) to see the workshop schedule and learn more.

Best of Green Schools Accepting Nominations

The Center for Green Schools at USGBC is excited to partner again with the Green Schools National Network to co-present the Best of Green Schools 2019. The Best of Green Schools celebrates the hard work being done in multiple categories—by people, schools, campuses and organizations—to push the green school movement forward. If you or someone you know is making significant strides toward creating more sustainable schools, we want to hear from you. You are welcome to [submit nominations](#) both for yourself and others. The call for nominations closes on **Fri., January 18, 2019**.

2019 Erosion and Sediment Control Workshops

Erie County Soil and Water Conservation District and WNY Stormwater Coalition will host two DEC-Endorsed 4-hour Erosion and Sediment Control Workshops for Construction Site Contractors and Operators in Winter 2019. The same workshop will be offered **Thursday January 10th**, in Cheektowaga and **Thursday February 7th, 2019** in Blasdell. All contractors and subcontractors working under the NYS Department of Environmental Conservation's (NYSDEC) Permit GP-0-15-002 (SPDES General Permit for Stormwater Discharges from Construction Activity), must identify at least one Trained Contractor from their company that will be responsible for implementation of the Stormwater Pollution Prevention Plan (SWPPP), and have at least one Trained Contractor perform a daily site inspection when soil disturbance activities are being performed. Upon completion, each participant will receive a NYS DEC registration number that is valid for 3 years. Registration fee is \$95.00 per attendee and includes refreshments and all training materials. Attendees must pre-register. Please contact Don Stribick at (716) 652-8480 to register for either of the workshops. January details at <http://www.ecswcd.org/docs/Contractor011019.pdf> February details at <http://www.ecswcd.org/docs/Contractor020719.pdf>

Certified Arborist Preparatory Course

A Certified Arborist Prep course will be held **January 21 through January 25, 2019** at the Buffalo Parks Olmsted Conservancy, Parkside Lodge, 84 Parkside Ave., Buffalo, NY 14214. An ISA Certified Arborist exam is also scheduled for Saturday, February 2, 2019, at the same location, for qualified candidates. This course will train employees and managers to become productive and safe in the field of arboriculture. Municipal employees, tree climbers, bucket operators, grounds men and supervisors will all benefit from proper professional training and development. Many municipal contract specifications now require a Certified Arborist certification to bid on contracts. Cost is \$495 or \$60 for individual sessions. For further information please contact: Glenn D. Gentzke, Certified Arborist, Registered Consulting Arborist at glennndny@yahoo.com.

Explore Buffalo Winter Gala

Explore Buffalo's 2019 Winter Gala will be on **Saturday, January 26** at 7pm. will be at the Foundry Suites In 2018, more than 22,000 people took an Explore Buffalo tour or attended one of our education programs. To continue serving our community and promoting our history, architecture, and neighborhoods, purchase a ticket today in support of Explore Buffalo at the historic Foundry Suites on Elmwood Avenue, a former factory now converted to a glamorous event venue. Tickets include two drink tickets and an assortment of food stations throughout the evening. Enjoy live music by Saxman Slim throughout the evening. Location is 1738 Elmwood Avenue, Buffalo, NY 14207. Buy your tickets by January 13 and save \$10! <https://explorebuffalo.org/calendar/>

Beekeeping Classes

The Western New York Honey Producers Association 2019 Beekeeping Classes will offer a five-session class on skills every beekeeper needs throughout the year. Classes are 6:00 PM - 8:45 PM at Dard-Hunter Hall, 21 South Grove Street, East Aurora NY 14052. Cost is \$80 with several required texts. Even if you have been keeping bees for years, this class can give you new ideas and new enthusiasm for the art and science of beekeeping. This series is for people who range from just starting out, to those who have had bees for years but are not confident with the bees, or are in a cycle of annual hive death. Class Dates are: **1/29, 2/5, 2/12, 2/19, 2/26** (In addition, there will be a daytime bee yard class in the Spring. Class is limited to 30 participants. [Register Here](#)

Horticulture Trade Show and Education

PLANT WNY will host their annual trade show and education conference on **January 31 and February 1** at Salvatore's Italian Gardens. Maria Zampini, keynote speaker will give two seminars: New Introductions Trees and Shrubs Seminar and Garden Trends. Maria is a freelance writer for both green industry trade journals and consumer gardening magazines. In 2015 she released her first book with co-author Pam Bennett titled Garden-pedia: An A-Z Guide to Gardening Terms. Maria is a fourth-generation nurseryman and proud of it! An event brochure is available [here](#). Registration available [here](#).

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 to 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 the link below. Questions? Please contact Olivia at (716) 852-3300, or ocammisa-frost@pbnsaves.org. <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>

2019 Communities in Bloom Classes

Cornell Cooperative Extension of Erie County is offering its popular spring classes on **February 2 and 23** from 9am to 2:30pm each day. These 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 \$15 - Current CCE Erie Master Gardeners, \$25 - General Public. Register by January 29 at https://reg.cce.cornell.edu/InBloom_214. The Feb. 2 class will be at the Buffalo Niagara Heritage Museum, 3755 Tonawanda Creek Rd, Amherst, NY 14228 and the Feb. 23 class will be at Unitarian Universalist Church, 695 Elmwood Ave, Buffalo, NY 14222.

Buffalo Groundhog Day Celebration: Fundraiser for Animal Groups

Come to the sixth annual Buffalo Groundhog Day Celebration presented by Hall, Ricketts, Schuller & Gurbacki, P.C, on **Saturday, Jan. 26, 2019**, at Flying Bison Brewing Company for the premier winter festival in all of Western New York. Live music in a heated tent presented by Rosina Food Products, delicious cold beer, fantastic food trucks, and an afternoon with friends to beat those winter blues. And who can forget a special winter weather prediction from Buffalo's best weatherhog duo, Buffalo Mack and Buffalo Bert! Proceeds from Buffalo Groundhog Day will be donated to Hawk Creek Wildlife Center, Buffalo C.A.R.E.S Animal Rescue, The Buffalo Zoo and other animal-related organizations throughout Western NY. <https://www.buffalogroundhogday.com/tickets.html>.

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.wnylc.org/dlw-design. Those wishing to participate in the competition must register by emailing dlw@wnylc.org. There is no cost to participate. Submissions are due by **February 15, 2019**. Winners will be announced this spring.

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 swop 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 - THE professional membership organization supporting outdoor and environmental education and interpretive services in New York State since 1968. 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 kadriaansesn@sciencebuff.org

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](#)

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>

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.

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/>

Audubon Cooperative Sanctuary Program

Audubon Cooperative Sanctuary Program is an education and certification program that helps campuses protect our environment while enhancing their bottom line. The "plan-do-check-act" approach of the program offers information and guidance to implement an environmental management plan that improves efficiency, conserves resources, and promotes conservation efforts. Audubon International awards certification to publicly recognize and reward the environmental achievements and leadership of program members. We look forward to seeing more higher education institutions in New York join the program as our efforts will combine to create an even greater positive impact on our environment. [Info](#)
If interested in joining please contact Jessica Latus, Director of Sustainable Community Programs, at jessica@auduboninternational.org or by phone at 518-767-9051 x. 142.

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=AupnMjYaI0Q>.

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 beginning **January 1, 2019, and 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, the energy could be supplied by solar energy or waste heat. For more, visit <https://futurism.com/carbon-emissions-mit>

Recyclables Art

Want to be inspired by artists who upcycle or recycle materials into their masterpieces? Check out the jewelry, sculptures and more at [Recycleart](#).

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.

Tonawanda Coke Neighborhood Air Monitoring Shows Drop in Benzene

The DEC's analysis of air monitoring data for benzene and air samples collected by community residents from the neighborhood around the former Tonawanda Coke Corporation show an immediate drop in benzene following the shutdown of this facility in October 2018. Overall, DEC's assessment of the data found no chemical concentrations that would be of concern for short- and long-term exposures and no public health concern for either short- or long-term exposure. DEC has operated two monitors in the neighborhood since 2007. Although benzene levels at Grand Island Boulevard were higher than recent years for much of 2018, the shutdown of Tonawanda Coke in October corresponded with an immediate drop in benzene at that location. In addition, samples taken by the U.S. Environmental Protection Agency (EPA) during the period leading up to the plant closure did not detect levels of significance. [For additional information](#), visit the DEC website.

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/>.

Food Rescue App to Reduce Food Waste

[Food Rescue US](#) has an exciting, app-based program that diverts perfectly good perishable food from landfills where it produces methane, a powerful greenhouse gas, and reroutes that food to people in need who eat it instead. In the U.S., an astonishing 40 percent of all food produced goes uneaten, and the environmental toll of that waste is staggering. In addition to squandered fresh water resources and carbon emitted during production and transport, nearly all uneaten food ends up in landfills. From there, it's broken down by bacteria and released as methane gas into our warming atmosphere. The new Food Rescue US app brings together three players. Supermarkets and restaurants sign up on their app to donate unsold but perfectly good food that they would otherwise throw away. Volunteers tap the app, find opportunities convenient to their schedules and locations, and then stop by the food source and deliver the bounty to receiving agencies that feed the food insecure. Let's hope that this is adopted in New York with multiple sites. You can access the app on the [Food Rescue US website](#). For information about bringing the program to your area or adding your own food program to their app, email info@foodrescue.us or call 1 (800) 280-3298.

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. Two-hundred-and-forty-five New York State municipalities have adopted the Climate Smart Communities 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.

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.

Fester's Blooming in Time Lapse

One of the *Amorhophallus titanums* - common name Corpse Flower - at the Buffalo and Erie County Botanical Gardens bloomed on June 30, 2018. To view the flower enlargement and blooming without the smell, visit <https://www.youtube.com/watch?v=V0KIKAGCnn8&feature=youtu.be>

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](#).

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 about this new low-cost financing option, contact <https://www.groundupgeo.org/contact>.

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.

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 Farm-to-School 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. Specific states include: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, and Rhode Island. However, federal resources are applicable to all farmers. Review [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. To register, please visit <http://www.erie.gov/rainbarrelcontest>.

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. Students can explore New York's natural and historic heritage by planning now and booking your field trip to a state park, state park nature center, state historic site or DEC environmental education center, fish hatchery, or other DEC lands! This program is available to any public school in a district *with* a Title 1 school (grades pre-K through 12 including school-sponsored clubs). Also, Advantage After School Programs, 21st Century Community Learning Centers, Empire State After School Programs, and municipal recreation programs in communities with Title 1 schools are eligible to apply. 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.

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.](#) [Submit a proposal](#) for the March 1, 2019 conference by **January 15, 2019**.

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.

Teacher's Resources

[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!](#)

[Faces of EPA](#)-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

[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

["We All Live in a Watershed" poster contest](#) is open to all middle school students. Fourteen winners will have the honor of having their artwork in a calendar that will be distributed across New York State. The deadline for submitting posters is **January 11, 2019**.

[Grades of Green Waste Campaign](#)-Starting in January, Grades of Green is launching our four-month Waste Campaign for 6th-12th grade students to engage eco-heroes across the globe to take action to reduce waste and develop sustainable, student-led solutions to waste issues relevant to their region. Winning Campaign Teams, announced in April, will also receive up to \$1,000 in Eco-Grant prizes to fund their innovative solutions. Learn More. **Join by January 11th**.

[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**.

[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 6, 2019**.

Grant and Scholarship Opportunities

[Enhancing Agricultural Opportunities for Military Veterans Program](#) provides grants to non-profits to increase the number of military veterans gaining knowledge and skills through comprehensive, hands-on, and immersive model farm and ranch programs offered regionally that lead to successful careers in the food and agricultural sector. The program encourages the development of training opportunities specifically designed for military veterans. Applications are due by **January 10, 2019**.

[The FruitGuys Community Fund](#) provides funds for small farms and agricultural nonprofits for environmental sustainability projects that reduce water and power use, increase pollinators, improve soil health, promote natural pest control, or extend their growing season. Grants ranging in amounts from \$2,000–\$5,000 will be awarded to 10–20 farms in spring 2019. Letter of intent on proposed project due before midnight on **Friday, January 11, 2019**. Twenty finalists will be notified by February 5, 2019, and provided with a supplementary application—due by February 25, 2019. The 2019 grantees will be notified on or before April 5, 2019.

[S.J. & Jessie E. Quinney Scholarship for Undergraduates](#) provides a grant to ensure that the Quinney's lifelong interest in natural resources will be carried on through the educational support of Quinney scholars. Application deadline: **January 15, 2019**.

[Captain Planet Foundation Grants](#)- supports programs that embrace STEM learning and empower youth to become local and global environmental change-makers. It is offering grants from \$500 to \$2,500 to educators (both K-12 classroom and informal) to help children and youth understand and appreciate our world through learning experiences that engage them in active, hands-on projects to improve the environment in their schools and communities. **Deadline: January 15**

[2019 Coastal Management Fellowship Program](#)-For the 2019 fellowship, applicants must complete a master's or other advanced degree at an accredited U.S. university between January 1, 2018, and July 31, 2019, to be eligible. A broad range of degrees are applicable to the fellowship because the projects are varied among the host organizations. This two-year opportunity offers a competitive salary, medical benefits, and travel and relocation expense reimbursement. **Deadline: Friday, January 18, 2019**.

[Great Lakes Research Consortium Small Grants Program](#) provides seed funding for new, cooperative projects that improve our understanding of, and/or management of, New York's Great Lakes basin. The program supports collaborative projects and grant awards can be used for basic or applied research and project planning that will lead to larger projects. The maximum amount for an individual grant is \$25,000. **Deadline: January 23**.

[New York State New Farmers Grant Fund](#) provides grants to support beginning farmers to improve farm profitability through one or both of the following goals: expanding agricultural production, diversifying agricultural production, and/or extending the agricultural season; and/or advancing innovative techniques that increase sustainable agricultural production practices, such as organic farming, food safety, reduction of farm waste, and/or water use. New York State farmers in their first 10 years of farming and with a minimum of \$10,000 in farm income may apply. **Deadline: January 25, 2019**.

[Population and Ecosystem Dynamics Federal Funding Opportunity - NOAA-OAR-SG-2019-2005907](#)
The NMFS-Sea Grant Fellowship Program in Population and Ecosystem Dynamics expects to award at least three new Ph.D. Fellowships in 2019 to students who are interested in careers related to marine ecosystem and population dynamics, with a focus on modeling and managing systems of living marine resources. These fellowships can provide support for up to three years. Emphasis will be on the development and implementation of quantitative methods for assessing marine ecosystems, for assessing status of fish, invertebrate, and other targeted species stocks and for assessing the status of marine mammals, seabirds, and other protected species. **Deadline: January 30**.

[Marine Resource Economics Federal Funding Opportunity - NOAA-OAR-SG-2019-2005909](#). The 2019 NMFS-Sea Grant Fellowship Program in Marine Resource Economics expects to award one new Ph.D. Fellowship each year to students who are interested in careers related to the development and implementation of quantitative methods for assessing the economics of the conservation and management of living marine resources. This fellowship can provide support for up to three years. **Deadline: January 30**.

[The Five Star and Urban Waters Restoration grant program](#) seeks to develop community capacity to sustain local natural resources for future generations by providing modest financial assistance to diverse local partnerships focused on improving water quality, watersheds and the species and habitats they support. Potential projects include a variety of ecological improvements along with targeted community outreach, education and stewardship. Projects should also increase access to the benefits of nature, reduce the impact of environmental hazards and engage local communities, particularly underserved communities, in project planning, outreach and implementation. This program expects that applicants will represent a mixture of urban and rural communities. NFWF may use a mix of public and private funding sources to support any grant made through this program. **Deadline: January 31**.

[Herb Society of America](#) offers a \$5,000 grant for the research of the horticultural, scientific, and/or social use of herbs throughout history. Research must define the herb as historically useful for flavoring, medicine, ornament, economic, industrial, or cosmetic purposes. Eligible applicants may be students, professionals, or individuals. This grant is intended to support small, self-contained research projects over a short period of time. Applications are due **January 31, 2019**.

[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.**

[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, and enrolled for the spring 2019 semester, as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university. 2. Applicants must be participating in an independent research project with a focus on wetland science/issues relevant to New York State. Class or group projects are not eligible for consideration. 3. The candidate must have at least a cumulative 3.0 grade point average. Preference will be given to students with focused research in New York State. Deadline: **February 15.**

[2019 Great Lakes Summer Fellows Program](#) exposes students to a broad range of disciplines and 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, paid in two installments of \$3,250. The program is limited to currently enrolled undergraduate (juniors and seniors preferred) and graduate students. We will also consider post-baccalaureate or post-masters students who have graduated within the past 12 months (of your fellow position start date) if the position fits directly within a student's career goals. You 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.**

[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.**

[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 historic structure reports, building condition reports, cultural landscape reports, and cultural resource surveys. Applicants must be a unit of local government or a registered 501c3 not-for-profit. State agencies and religious institutions are not eligible to apply. The program provides support up to 80% of the project cost. Applicants must provide 20% of the total project cost as a cash match. Grants typically range between \$3,000 and \$10,000. Deadline: **March 25.**

[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.**

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

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. 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

[Buffalo Niagara Waterkeeper Internships for Spring](#)-Deadline: **January 7, 2019**.

[Buffalo Niagara Waterkeeper Senior Project Manager](#)- Manager will be responsible for assisting with the implementation of waterway revitalization projects and programs in support of Buffalo Niagara Waterkeeper's mission to protect and restore our water and surrounding ecosystems while connecting people to water. This position will be leading a team under direct supervision to undertake aspects of waterfront and watershed revitalization including analysis, planning, design and implementation to deliver: public access; habitat restoration; site remediation; shoreline, stream and river restorations; greenway and blueway trail development; park and open spaces; universal accessibility; green infrastructure implementation; site construction implementation; and post construction evaluation and monitoring. Deadline: **January 13, 2019**.

[Executive Director, Groundwork Buffalo](#)-Groundwork Buffalo seeks to hire an Executive Director to lead the organization, expand its base of support, build partnerships, continue past and develop new programs and projects and increase the impact Groundwork Buffalo has had on Buffalo's revitalization.

[WNYSBR Coordinator](#)- The Western New York Sustainable Business Roundtable provides a forum for local businesses that are working to reduce waste and pollution, protect our waterways, optimize use of energy and materials, and invest in our communities. WNYSBR offers training, tours, networking, recognition and tools for member companies. We are looking for a highly organized individual who can help us manage the day to day business.

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

[SCA Excelsior Conservation Corps](#) is seeking applicants to work on infrastructure and sustainability, invasive species removal, trail construction, and other amazing environmental conservation-related projects. The ECC is a 10-month residential AmeriCorp program created in 2015 by Gov. Cuomo and is designed to address the state's environmental conservation needs while providing leadership opportunities, employment training, and college scholarships to young people interested in environmental issues. Applicants must be between the ages of 18 and 25 (Veteran applicants up to 28) and must pass a background check.

[Astronomy Program Coordinator/Facilitator of Learning](#)-Buffalo Science Museum.

[Deputy Director of Movement Building at PUSH Buffalo](#)- will have overall strategic responsibility for PUSH' Organizing and Policy and Strategy departments and will manage those department directors. As the chief program officer of PUSH, s/he/they will provide leadership to the strategic planning process and will implement new programmatic strategic initiatives.

[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:

Tuesday, January 1

First Day Lake and Forest Exploration Hike-9 to 11 am at [Evangola State Park](#). Celebrate the New Year and explore the park through an "Old Growth Forest" along Lake Erie's shore! *For more information & registration call (716) 549-1050.*

A Gorgeous First Day Hike!-10 to 11:30am at [DeVeaux Woods State Park](#). Start the New Year off with a hike through an old growth woods to the Niagara Gorge Rim Trail to view the Whirlpool and rapids. *For more information & registration call (716) 282-5154.*

First Day Big Tree Hike-10am to noon at [Knox Farm State Park](#). Start your New Year off right with an invigorating hike through Knox Farm and visit the park's largest trees! *For more information & registration call (716) 549-1050.*

First Day: Let's Go to Niagara Falls!-2 to 4pm at Niagara Falls State Park. Join us for an afternoon stroll as we welcome the 1st day of the New Year at the falls! Stories will be told along the way in America's oldest state park! *For more information & registration call (716) 282-5154.*

First Day History Hike-1 to 3:30pm at Fort Niagara State Park. Join us for a walk to view the Niagara River and War of 1812 Cemetery, and to see the lighthouse and Old Fort Niagara from the parking lot. (The Fort is Closed on New Year's Day.) There will be a tour of the Officer's Club to view the paintings and visit the museum displays. *For information and registration call 716-282-5154.*

First Day Snowshoe Hike-11am. Ring in the New Year with a snowshoe hike led by a DEC Forest Ranger, who will discuss how to prepare for any outdoor adventure. We will hike even if there is no snow. Snowshoe rental: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Christmas Bird Count: Dunkirk-Fredonia, NY-Compiler: Joanne Goetz, p: 716-673-1627
e: goetz@netsync.net

Waterfowl Count and Bald Eagle Survey-Lakes Erie and Ontario, Niagara River, inland open waterways
Contact the compiler for info. Jim Landau at 716-941-3869 or landaujr@gmail.com.

4th Annual New Year's Day Hike for your Health-10 am -11am. Looking for a great way to enjoy nature and the benefits of some outdoor exercise? Then join us on our 4th annual winter's day hike at Pfeiffer Nature Center! The hike will be moderately strenuous- which, in terms of exercise means you will be able to talk but not sing during the activity. The trek is NOT an interpretive hike so stops will not be made along the trails. This hike will take place at the Lillibridge Preserve. 1974 Lillibridge Rd., Portville. The hike is free to the public and will take place rain or shine. The hike will be canceled if we are experiencing extreme weather conditions. Minors must be accompanied by an adult. Pre-registration is not required. For more information contact Pfeiffer Nature Center Administration Office 716-933-0187 or visit our website at www.pfeiffernaturecenter.org

Wednesday, January 2

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at NFTA Board Room, 1st floor Conference Room, 181 Ellicott St., Buffalo. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Thursday, January 3

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 Drilling Defense/Environmental Justice Task Force of the WNY Peace Center Meeting-6 PM - 7:30 PM at Niagara Branch Library, 80 Porter Ave, Buffalo, NY 14201.

Orchard Park Garden Club-1pm at Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 12:30 p.m., with light dessert at 1 p.m. and the program at 1:30 p.m. The program will be "The Victorian Language of Flowers." It will be presented by Nancy Kalieta, former volunteer coordinator at the Buffalo and Erie County Botanical Gardens and president of Hamburg House and Garden Club Orchard Park.

Friday, January 4

Buffalo Geological Society Meeting- 7:30pm. Heritage Discovery Center, 100 Lee Street, Buffalo, New York, 14210. Check out topic at www.bgsny.org

Saturday, January 5

National Bird Day: Winter Birding-9am to 11am at Iroquois National Wildlife Refuge Headquarters. Register at 585-948-5445. http://www.friendsofiroquoisnwr.org/documents/2018_IO_Fall-Winter.pdf

Horticultural II Classes: Introduction to Landscape Design- Buffalo & Erie County Botanical Gardens. 11am to 1pm. Join us for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. Garden Members \$108/series, \$18/class, General Public \$138/series, \$23/class.

Knox Farm cross-country ski-10 am-12 pm. *For information or registration call (716) 549-1050*

DeVeaux Woods snowshoe: 11:30 am-1:30 pm. *For information or registration call (716) 282-5154*

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.*

Christmas Bird Count for Kids-9am. A great way to introduce kids to birding and escape the post-holiday blahs! Teams of kids will compete to see who can find the most birds during 90-minute hikes at Reinstein Woods and other nearby sites. Binocular instruction and refreshments provided. For more information call 716-683-5959. Registration required, register online at <http://reinsteinwoods.org/cbc4kids>

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

National Bird Day: Winter Birding-9 to 11am at Iroquois National Wildlife Refuge Visitor Center. Contact celeste.morien@gmail.com.

WNY Hosta Society Breakfast- 10 a.m. at the Forestview Restaurant, 4781 Transit Rd., Depew. You must RSVP before 5 p.m. **January 4th** so the restaurant knows 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.

After the Holidays Recycling in the City of Buffalo-9am to 2pm. City of Buffalo Garage, 1120 Seneca St. Electronics, Christmas trees, Styrofoam, clothing and textiles. For info, <https://buffalorecycles.org/>

Buffalo YIMBY Contest: Site Tour-10am at 998 Broadway, Buffalo 14212. Is roaming around big-box stores filled with shoppers not your thing? Then maybe the empty K-Mart store at 998 Broadway is calling for you. <https://www.facebook.com/events/582964532139594/>

Fort Niagara Birding – 10am to noon. Join Buffalo Audubon Naturalist Tom Kerr for some winter birding along Lake Ontario! Birds that spend most of their lives in Northern Canada, such as Redpolls and Evening Grosbeaks have been travelling further south this winter, and the southern shores of the Great Lakes are some of the best places to find them. Binoculars are available. Pre-registration is required. Donations gratefully accepted. Please call 585-457-3228 to register.

Emery's Winter Waterfalls-10am at Emery Park, 2084 Emery Rd, South Wales, NY 14139. Join Ranger Jerry for a hike exploring the water falls of Emery Park. We will meet at the parking lot near the main entrance to the northern side of the park. This hike will take approx 2 hours and portions will be off trail. Dress for the weather, including boots that can possibly get wet. Trekking poles or hiking sticks may be helpful and cameras are encouraged! Registration is required and limited to the first 25 people to sign up. You must register individually and not as a group/family. [Registration](#)

Sunday, January 6

Knox Farm snowshoe- 9 am-11 am. Erie County State Parks. *For information or registration call (716) 549-1050*

Sunday Snowshoes-10am at Chestnut Ridge Park| 6121 Chestnut Ridge Rd, Orchard Park, NY 14127| 10 AM
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, January 7

Makers' Monday- 4pm to 5pm at Lancaster Library, 5466 Broadway, Lancaster. For all ages. Join us for hands-on STEAM activities. No registration required.

Tuesday, January 8

Kenmore Garden Club- meeting at 10 a.m. 8 in Kenmore United Methodist Church, 32 Landers Rd., Kenmore. The history of the Darwin Martin House gardens and their restoration will be shared through a PowerPoint presentation by Nellie Gardner. She has a horticultural degree from Cornell University and is currently employed by the Darwin Martin House to research the historical background of the previous gardens, to restore the gardens and to renovate the landscaping. She also works at Graycliff on Lakeshore Road.

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/>

"Meet the Spurge Family"-Niagara Frontier Botanical Society General meetings, 7:30 p.m. at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except November and April meetings). Michael Siuta, our speaker, will examine the Euphorbiaceae family, which occurs around the world and whose relationship with man goes way back in history. This fascinating family has given us medicines, poisons, allergens, industrial products, weeds, wildflowers, and ornamental plants. All are welcome.

Hamburg Garden Club- noon at the Hamburg Community Center, 107 Prospect Ave., Hamburg. Nancy Kalieta, District 8 FGCNY director, will give a PowerPoint presentation on the Victorian language of flowers. Also included will be a brief summary of Queen Victoria's life, Victorian homes, fashions and a discussion on society and courtship. Guests are welcome. If you are interested in attending our meeting as a guest, please make your reservation at lonabutler4@gmail.com.

Life in the Cold- Tiff Nature Preserve from 7-8:30pm. 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. \$12. Investigate life in the dead of winter! Enjoy a short guided night hike followed by an indoor hot mocha bar and fun, hands-on activities highlighting wild animal and plant strategies for winter. Snowshoe rentals are an additional \$2 per person, weather permitting. *Advance registration required by January 7.* [Register](#)

GreenNY Sustainability Series of webinars- 12 to 1pm. give you simple tips and tricks on ways to help the environment and save money. Recordings of previous webinars are available. [Link here](#)

ADK General Membership Meeting- 6:30pm – 9:00pm at Amherst Community Church, 77 Washington Hwy, Buffalo, NY 14226. Topic- <http://adk-nfc.org/>

Wednesday, January 9

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.

Buffalo Talks: Explore & More's Opening at Canalside – noon to 1pm at Buffalo Central Library. Founded in 1994, Explore & More Children's Museum makes every day a play date in our Educational Play Zones—exhibits that introduce children to the magic of hands-on discovery. Michelle Urbanczyk (CEO) will discuss Explore & More's move to Canalside from their previous location in East Aurora, the success of their capital campaign, and what their new location means to their mission and to the programs and services they will be able to provide. [Click here to reserve your space](#)

The Shape of Color-6 to 7:30 p.m. at the Buffalo Science Museum. Adults only, \$15 per participant. Color and shape are linked in this mind-bending investigation of how we perceive color and iridescence in the natural world. Explore structural colors with microscopes and the naked eye. [Register](#)

Thursday, January 10

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.

2019 Erosion and Sediment Control Workshops-Erie County Soil and Water Conservation District and WNY Stormwater Coalition will host two DEC-Endorsed 4-hour Erosion and Sediment Control Workshops for Construction Site Contractors and Operators in Winter 2019. Registration fee is \$95.00 per attendee and includes refreshments and all training materials. Attendees must pre-register. Please contact Don Stribick at (716) 652-8480 to register for either of the workshops. <http://www.ecswcd.org/docs/Contractor011019.pdf> for details. **Registration required by January 2.**

Friday, January 11

Buffalo Astronomical Association Meeting-7 to 10pm at Williamsville Space Lab Planetarium, 1595 Hopkins Rd., Williamsville.

Saturday, January 12

Beaver Island snowshoe- 10 am-12 pm. *For information or registration call (716) 549-1050.*

Audubon Climate Watch – 1 to 3pm. Want to help scientists predict how birds will adapt to climate change? Join Buffalo Audubon Naturalist Tom Kerr at Beaver Meadow for a presentation on Audubon Climate Watch and learn how you can participate in this yearly community science project. Pre-registration is required. Please call 585-457-3228 to register.

Broadway-Fillmore Historic District Celebration- 11am to 1pm. Enjoy a snack and learn more about how the new historic district might impact property owners. PBN will present information about how the local preservation ordinance works and how to access historic tax credits. This is FREE and open to the Broadway-Fillmore community! Kolbe Center, Corpus Christi Church, 176 Clark Street, Buffalo NY. Visit <http://bit.ly/BFHDEvent> to RSVP today!

Winter Hiking-10am at Sprague Brook Park| 9674 Foote Rd, Glenwood, NY 14069. Join Park Ranger Roy for an introduction to winter hiking. We will explore equipment, strategies and safety practices that make getting out in the great outdoors a fun winter activity. Wear boots, dress for the weather, and carry your 10 Essentials (compass, water bottle, etc.). Meet at the warming hut. Registration is required and is limited to the first 25 people who sign up. You must register individually and not as a group/family. [Registration](#)

Cabin Fever Series: The Great Gorge Route Trolley-10am to 11:30am at [DeVeaux Woods State Park](#)
This month's presentation is the Great Gorge Route, a trolley that once ran in the Niagara Gorge and crossed over to Canada! Come take a look at the delightful journey passengers took from 1895-1935. *For information & registration call (716) 282-5154.*

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](#).

Winter Wildflowers-10am. Explore the world of winter plants and see where next summer's wildflowers will bloom. For adults and children ages 10 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Hemlock Woolly Adelgid Survey- 10am. 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. We will be surveying the Chautauqua Watershed Conservancy's Dobbins Woods Preserve located on Bly Hill Road in the town of Ashville. We will meet at 10:00am in the preserve parking lot. Visit <http://chautauquawatershed.org/index.php/preserves/our-preserves> for directions to the preserve. Questions? Contact Elyse Henshaw RTPI Conservation Technician at ehenshaw@trtpi.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.

Drawing the Basic Bird -10:30 am to 11:30am. Join Pfeiffer Nature Center volunteer and renowned local artist Jennifer Miller as she describes and demonstrates the basics of drawing birds! Jennifer will explore the basic shapes and anatomy of birds, while explaining how one can break them down into basic forms, and investigating what is really going on under all those feathers, as an artist. While this program is aimed at those wishing to learn how to draw birds, anyone may attend, and participants are welcome to draw along, take notes, or just sit back and watch how a bird is "put together". If you'd like to draw, be sure to bring your favorite drawing tool(s) and some paper or a sketchbook. This program is best suited for children ages 10+. This event will be held at The Portville Free Library, 1 North Main Street, Portville, New York 14770. Fee: \$5 for members, \$10 for non-members and free for children 13 and under. Minors must be accompanied by an adult. Registration is required and space is limited. Register by 4 PM, Thursday, January 10th. [Register here](#) or contact office at 716-933-0187.

Birds on the Niagara-10:00am-12:30pm. Beaver Island State Park. Exploring wetlands, beaches and woodlands along the Niagara River in search of swans, geese and other unusual waterfowl species. Register at <https://earthspiritedu.org/events/> (\$7 members). *Please bring binoculars, or we will provide them.*

Speaker Series – Coast Guard Search & Rescue-11am to noon. Mayday, mayday, mayday! What happens when the call is issued? Who responds? Come hear a U.S. Coast Guard officer describe their search & rescue operations, and share some harrowing incidents from our area. To register, RSVP info@buffalomaritimecenter.org with the number of people in your party. 90 Arthur Street, Buffalo, NY 14207, 716.881.0111

Free Workshop: Permaculture, What is It?-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.

Sunday, January 13

Buckhorn cross-country ski-9 am-11 am. *For information or registration call (716) 549-1050.*

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.

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, January 12th 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.

Monday, January 14

Makers' Monday- 4pm to 5pm at Lancaster Library, 5466 Broadway, Lancaster. For all ages. Join us for hands-on STEAM activities. No registration required.

Tuesday, January 15

LISC's Masten Park-Cold Spring Community Meeting-6 to 8pm. Masten Park/Cold Spring is a strong community with a rich past and the potential to be Buffalo's next great neighborhood revival story. Please join us to celebrate the neighborhood, discuss new and upcoming developments in Masten Park/Cold Spring, and learn more about how you can help ensure the next wave of investment benefits residents and local businesses. For more information, contact buffaloinfo@lisc.org or call 716-322-2309. Location: African American Cultural Center, 350 Masten Avenue.

Toddler Time: Snow Forts – 10 to 11:15am. Bring your little ones and join us for some outdoor fun at Beaver Meadow making snow forts! Afterwards, we will warm up indoors with some yummy cocoa and a snack! If the weather is not cooperative, we'll build some forts inside the Nature Center! Pre-registration is required. \$3 per child. Ages 2-4. 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/>

Wednesday, January 16

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.

Behind the Scenes Tour: Geology Rocks (ages 18+)- 6:00 PM - 8:00 PM. Did you know the Museum houses more than 700,000 specimens and artifacts? Get behind the scenes to see what few have seen and explore the Museum's Collection. Tours are approximately two hours in length. Adults only. Cost: \$25 per participant (BMS members save 10%). [Purchase Tickets](#)

Sierra Club Niagara Group Holiday Party and Fundraiser-6:00-8:00 PM at Community Beer Works, 520 7th St, Buffalo.

Food as Medicine-6:30pm – 7:30pm at 387 Massachusetts Ave, Buffalo, NY 14213, USA Info at www.mass-ave.org

Thursday, January 17

Citizens Regional Transit Meeting- Location TBA, 5:30 - 7:00 p.m. (doors open at 5:00). Free and open to all. <http://citizenstransit.org/>. Review of 2018, Looking Ahead to 2019, Funding Outlook after Mid-term Elections Presenters: Doug Funke, President, CRT, Hal Morse, Executive Director, Greater Buffalo Niagara Regional Transportation Council.

The AIA/Buffalo Architecture Annual Service Awards-6 to 9pm at Greatbatch Pavilion, 143 Jewett Pkwy are presented as a partnership between the AIA Buffalo/WNY chapter and the Buffalo Architecture Foundation (BAF). They were established to recognize dedicated individuals and firms from the local chapter. It is the goal of AIA Buffalo/WNY and the BAF to promote the Chapter and each firm through the recognition of dedicated service to the profession of architecture in the WNY region. For more information on this event, please visit <http://www.aiadesignawards.org/2018/>. There is a \$25 registration fee for this event. Registration may be accomplished online by clicking [here](#).

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.

Understanding Climate Change: A Workshop for 5th – 12th Grade Teachers- [Tickets](#) (free), all day, Hilton Garden Inn Buffalo Airport, 4201 Genesee St., Buffalo, NY 14225. Learn what the scientific community has found out about one of the largest challenges facing society today. You will come away with engaging, hands-on activities that teach your students about our changing climate and strategies for addressing the challenge. All curricula are correlated to New York's Learning Standards. Reserve your seat now and join us at our upcoming Understanding Climate Change Workshop. Substitute Reimbursement Provided, Lunch and Continental Breakfast Provided, Hands-on Kits and Materials Provided and Professional Development Credit Available.

Friday, January 18

Science After Hours: Get a Clue- 6 - 10 p.m. | \$30 per participant at Buffalo Science Museum. The Museum's murder mystery fundraising event is back! Now with more clues and witnesses, teams of two to 10 people will work together to determine "whodunit." Admission includes the murder mystery game and one drink ticket (BMS Members receive two drink tickets). Plus, beer and wine, food for sale and access to all of the Museum's permanent exhibits! Supported by RP Oak Hill Building Company. Register at [Science After Hours: Get a Clue](#)

Free Presentation for League Grants- Not-for-profit groups and municipalities are invited to attend a free presentation on Preserve New York and Technical Assistance Grants (TAG), the signature grant programs of the New York State Council on the Arts (NYSCA) and the Preservation League. 10:00 a.m.-12:00 noon at the Carnegie Art Center, located at 240 Goundry ST., North Tonawanda, NY 14120. This presentation is co-sponsored by Preservation Buffalo Niagara. Register at <https://www.preservenys.org/north-tonawanda--118.html>

Saturday, January 19

Snow Rolls!- All bike rides meet at noon, ride at 1230pm, party at 130pm. Location- Misuta Chow's (521 Main Street)

Hemlock Woolly Adelgid Survey- 1pm. 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@trtpi.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. Join us as we survey two sites on the state forest lands. We will meet in the RTPI parking lot promptly at 12:30 to carpool and meet on-site around 1:00pm. For those meeting on-site, please meet near the bridge on Sawmill Run Road approx. 42°02.511'N 079°00.580'W. For more information and directions to South Valley State Forest please visit: <http://www.dec.ny.gov/lands/68293.html>

Evangola cross-country ski- 10 am-12 pm. *For information or registration call (716) 549-1050.*

Intro to Forest Bathing-10am. Celebrate "Get a Balanced Life Month" with the latest--and oldest--in health trends. This walk will focus on using the sights, sounds and smells of the forest to induce relaxation and ease stress. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Woods Walk: What's Out in the Winter?-1pm. Join a guided nature walk through the woods to search for winter-active animals. No registration required. Reinstein Woods Nature Preserve, Depew.

Raven Hike – 1 to 3pm. Join Buffalo Audubon Naturalist Mark Carra at Beaver Meadow for a hiking celebration of Edgar Allen Poe's 170th birthday by searching for his iconic Raven. Learn about their complex social lives and why they have often been feared by many. We'll listen to their calls and hopefully cross paths with them if you dare! Pre-registration is required. \$5. Ages 12+. 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](#).

Free Workshop: House Plants and Succulents -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.

Animal Signs-10am at Como Lake Park| 2220 Como Park Blvd, Lancaster, NY 14086. Join Park Ranger Roy as we look for signs of animals in the winter season on a hike in Como Lake Park. Dress for the weather and wear your boots. Registration is required and limited to the first 25 people who sign up. You must register individually and not as a group/family. Meet at Boy Scout Shelter (#5). [Registratio](#)

Sunday, January 20

Evangola snowshoe- 9 am-11 am. *For information or registration call (716) 549-1050.*

Offsite Viewing of Total Lunar Eclipse- Beginning at 9:30 pm, join us for a night of astronomy programs in the Gateway Building located at 3556 Lakeshore Rd. in Blasdell (14219). Outside, our astronomers will be on hand to facilitate a mid-winter tour of the winter sky. Inside, you can warm up with hot beverages and snacks while attending one of our science talks in the auditorium or while enjoying hands-on science activities in the lobby. All ages welcome. Admission TBD. [Full program info here](#).

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.

Monday, January 21

First Moon Campfire – 5:30 to 7pm. Join Buffalo Audubon Naturalist Mark Carra for a campfire during the first full moon of the year! We'll take a short stroll and end with some hot cocoa around a cozy campfire! Pre-registration is required. \$5. Family friendly event. Please call 585-457-3228 to register.

Dare to Repair Café- 10am to 1pm at Buffalo Museum of Science. Community event where you can bring broken items that may be able to be repaired by volunteers. Free. www.thetoollibrary.org/daretorepair

Tuesday, January 22

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

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.

Wednesday, January 23

Wednesday Winter Walk-10am to noon at [Knox Farm State Park](#). Embark on a winter walk as we investigate animal tracks, admire 150 year old trees, and discuss how the park's wildlife endures the winter months! *For information & registration call (716) 549-1050.*

Copper Oxide Painting- 6 to 7:30 p.m. at the Buffalo Science Museum. View metalworks of the past with a walk-and-talk in the Artifacts exhibit for inspiration from the Collection. Transform iron and copper into works of art with oxidizing paints while learning about chemical processes. \$15/adults 18+ . [Register.](#)

Hands-on Nature: Winter Oddities- 2 to 3:30pm at [Knox Farm State Park](#). Get a hands-on experience with nature during this indoor workshop as we explore oddities like overwintering polypores, plant galls, and more! *For information & registration call (716) 549-1050.*

Outdoors Forum: Generations of Stewardship- 7:30 PM - 9:00 PM at Tiff Nature Preserve, "Generations Of Stewardship"-Where We've Been, Where We Are, And How We Can Plan For The Future. Speakers include: Jill Jedlicka, Buffalo Niagara Waterkeepers, Gerry Rising, Author/Environmentalist Steve Gordon, Seneca Nation. Join us for a special evening indoors with guest speakers coordinated by WGRZ's "2 the Outdoors." *No registration required.* This is a FREE event. Doors open at 7 p.m. For more information, contact Terry Belke at terry.belke@wgrz.com. Ages: 8+

Thursday, January 24

Air & Waste Management Association Meeting-7:30 AM - 6:00 PM at Templeton Landing, 2 Templeton Terrace, Buffalo, NY 14202. Timothy Kennedy, NYS Senator, will be keynote speaker. Advanced Individual Registration with CLE credits (through Jan 11) – \$110.00. Agenda at [brochure.](#) Register at <https://awmanfs.wildapricot.org/event-3095544>

Western NY Tick Awareness Forum- 4:00 p.m. to 6:00 p.m. 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. 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.](#)

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, January 25

Birds on the Niagara-Free for all ages. Discover the amazing stories of the birds that call the Niagara River Corridor home. The inaugural celebration kicks off Friday night at Tiff with the "Why WNY is a Big Deal in the Birding World" presentation and a guided owl prowl by local birding experts. FREE guided walks and spotting stations, from Lewiston to Buffalo, on Saturday. ALL are welcome - no birding experience necessary. *Advance registration required. For more information or to reserve a spot, please call 716.825.6397 or visit www.TIFFT.org.*

Saturday, January 26

Beekeeping Class Day: Beekeeping 101- 9am to noon. 50.00. This is the place to start! We'll cover all of the basics you *need* to know before deciding to get your first hive, plus everything you'll *want* to know before you bring your bees home. Register at <https://mastersons.net/new-events/>. Instruction will run from 9 am - 12 pm, with pizza, drinks and time to chat and socialize until 1 pm. Masterson's Nursery, 725 Olean Road, East Aurora NY 14052.

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](#).

Birds on the Niagara - A celebration of the incredible diversity of bird life along the Niagara River Corridor. ALL are welcome - no birding experience necessary! FREE guided walks and spotting stations, from Lewiston to Buffalo, with special guest speakers and workshops! Discover the amazing stories of the birds that call the Niagara River home. More details and registration information, including a map of birding sites, warming stations and activities is available at <https://www.facebook.com/events/339833690173613/>

Winter Tree ID Walk - 12pm-2pm with WNY Land Conservancy. One of the best ways to maintain a positive mood during our WNY winters is to stay active. Bundle up and join us for a unique winter walk at the Niagara Escarpment Preserve in Lockport and learn how to identify trees in the wintertime. This hike will be led by guest guide and tree expert, Erik Danielsen. <https://www.eventbrite.com/e/2019-winter-tree-walk-tickets-51219978334> for registration.

Winter Adventure Hike-10:00am-12:30pm at West Falls Park. A moderately challenging hike through open fields and mature forests with a focus on general Winter ecology. Register at <https://earthspiritedu.org/events/>

Hive Building Class for Beekeepers- 2 to 4pm at Masterson's Nursery, 725 Olean Rd., East Aurora, 14052. \$175. The class fee includes all of the materials you will need to assemble and take home the major components of a hive. These components will come together to make a complete basic hive, which will be what you need on the day you bring your bees home. We'll go over what each of these parts is used for and why we think it's important. Register at [Beekeeping Class - Hive Building](#)

Free Workshop: Composting with Vermiculture-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.

Technology in the Outdoors-10am at Emery Park| 2084 Emery Rd, South Wales, NY 14139. Join Ranger Jerry for a brief presentation on a variety of smartphone/tablet apps that could be helpful while your enjoying the great outdoors. This presentation will be followed by a brief hike where you can try some of the apps that were covered. This free family program will start indoors and move outside, please dress accordingly. Registration is required and is limited to the first 25 people who sign up. You must register as an individual and not as a group/family. Meet at the Ski Lodge. [Registration](#)

Birds on the Niagara- Discover the amazing stories of the birds that call the Niagara River Corridor home. The inaugural celebration kicks off Friday night at TiffT with the "Why WNY is a Big Deal in the Birding World" presentation and a guided owl prowls by local birding experts. FREE guided walks and spotting stations, from Lewiston to Buffalo, on Saturday. ALL are welcome - no birding experience necessary. *Advance registration required. For more info or to reserve a spot, please call 716.825.6397. or visit www.TIFFT.org. [register](#).* Free.

Hemlock Woolly Adelgid Survey-10:00am. We will be surveying the Chautauqua Watershed Conservancy's newly established Goose Creek Valley Greenway Preserve located on Hoag Road in the town of Ashville. We will meet at 10:00am at the entrance of the site. Visit <http://chautauquawatershed.org/index.php/preserves/our-preserves> for directions to the preserve. 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 CWC Lands Manager at jonathan@chautauquawatershed.org or by calling 716-664-2166.

Nuthatches to Kinglets – 10am to 11:30am. Join Buffalo Audubon Naturalist Mark Carra for a hike to search out the insect eating birds that stay at Beaver Meadow through our cold winter months and talk about how they use various strategies to survive. Pre-registration is required. \$5. All ages are welcome. Younger children must be accompanied by an adult. Please call 585-457-3228 to register.

Snowshoeing & Cocoa-10am to 1pm at Darwin Martin House State Historic Site. Borrow snowshoes for a trip through Delaware Park and finish your trek at the Darwin Martin House for some hot cocoa! Afterwards, participants have the option of taking a tour of the beautiful house. FREE for snowshoeing and hot chocolate. Optional house tour \$10 a person. *For information or registration call (716) 549-1050*

Volunteer Orientation and Snowshoe Walk-10:30am to 12:30pm. If you are new volunteer or want to become a volunteer then this program is for you! Learn who we are, what we do and why we do it. We will do a short snowshoe walk after, weather permitting. Must be 18 years or older to volunteer, or have a parent/guardian volunteer with you. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Birding 101: Class #1-2:30pm. Join us for a bird identification adventure! Learn how to identify common birds and how to properly use binoculars. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Explore Buffalo's 2019 Winter Gala-7pm. will be at the Foundry Suites! Purchase a ticket today to join us for an evening in support of Explore Buffalo at the historic Foundry Suites on Elmwood Avenue, a former factory now converted to a glamorous event venue. Tickets include two drink tickets and an assortment of food stations throughout the evening. Enjoy live music by Saxman Slim throughout the evening. The Winter Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items, from original local artwork to special behind-the-scenes tours. The Foundry Suites, 1738 Elmwood Avenue, Buffalo, NY 14207.

Buffalo Groundhog Day Celebration- presented by Hall, Ricketts, Schuller & Gurbacki, P.C, at Flying Bison Brewing Company for the premier winter festival in all of Western New York. Live music in a heated tent presented by Rosina Food Products, delicious cold beer, fantastic food trucks, and an afternoon with friends is just what's needed to beat those winter blues. And who can forget a special winter weather prediction from Buffalo's best weatherhog duo, Buffalo Mack and Buffalo Bert! Proceeds from Buffalo Groundhog Day will be donated to Hawk Creek Wildlife Center, Buffalo C.A.R.E.S Animal Rescue, The Buffalo Zoo and other animal-related organizations throughout Western NY. <https://www.buffalogroundhogday.com/tickets.html>

Sunday, January 27

Snowshoeing & Cocoa-10am to 1pm at Darwin Martin House State Historic Site. Borrow snowshoes for a trip through Delaware Park and finish your trek at the Darwin Martin House for some hot cocoa! Afterwards, participants have the option of taking a tour of the beautiful house. FREE for snowshoeing and hot chocolate. Optional house tour \$10 a person. *For information or registration call (716) 549-1050*

WinterFest 2019-11am to 4pm at Chestnut Ridge Park| 6121 Chestnut Ridge Rd, Orchard Park, NY 14127. Join us at our annual WinterFest event in conjunction with Orchard Park Recreation. The event is free and open to the public. Activities include magic shows (11:30 am & 1:00 pm), arts & crafts, chain saw carving demonstrations, wood cutting/branding, marshmallow roasting and hay rides (\$5 adults/\$3 children). There will also be sledding and snow sculpting contests, weather permitting. Concessions will be available to purchase. [WinterFest 2019](#)

Monday, January 28

Makers' Monday- 4pm to 5pm at Lancaster Library, 5466 Broadway, Lancaster. For all ages. Join us for hands-on STEAM activities. No registration required.

Tuesday, January 29

Little Tykes Mini Nature Camp- 9:30 - 11:30 a.m. | \$7 per child with adult* | Ages 3-5. 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. BMS members receive 10% off registration. For more information or to reserve a spot, please call 716.825.6397 or visit www.TIFFT.org. [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/>

Wednesday, January 30

Behind the Scenes Collection Tour: Knox your Average Piggy Bank- Buffalo Science Museum 6 to 8pm for adults only. Come behind the scenes and learn about the Knox Money Collection and the evolution of money. [register](#)

Thursday, January 31

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](#)

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, 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://chautauquawatershed.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 CWC Lands Manager at jonathan@chautauquawatershed.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](#)

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](#).

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 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.

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.

Tips for the Environment:

- 1. Commit to a Cause or Behavior-** Changes in our behavior can result from actions becoming routine. For example, taking reusable bags to the store becomes second nature after you do it enough times. Most New Year's resolutions fail, but consider a simple action that you could try to establish as routine. If there is a charity or political action that you feel strongly about, make this the year to commit to some level of involvement.

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

By Lesley Haynes

This month Lesley is sharing memories of her childhood in England and holiday traditions in that country.

I was born and raised in London, England, and even though I have travelled extensively I realize that I am still English to the core when it comes to traditions.

There is nothing too unusual about how we spend Christmas Day in the U.K. Families gather around the tree in the morning and exchange gifts. Later, before eating dinner, we pull Christmas crackers and delight at the small gifts, fortune messages and paper hats found inside. In my family, the children (and most adults) wore the colorful hats during dinnertime. A typical dinner is roast turkey, parsley and thyme stuffing, roast potatoes, Brussels sprouts, Yorkshire pudding, mince pies and custard. At 3p.m. we would turn on the TV to watch Queen Elizabeth's annual Christmas speech to the nation. The rest of the day and evening was spent lounging around as we snacked on trifle and fruitcake and had a drink or two.

But we also celebrate Dec 26th, Boxing Day. A traditional secular English holiday, it has been officially recognized since 1871 and is observed by banks, government offices and the post office. Despite its name, Boxing Day has nothing to do with pugilistic competition. Nor is it a day for people to return unwanted Christmas presents. Even though many may no longer remember the traditional reason for Boxing Day, it is still celebrated in Great Britain, Canada, Australia, New Zealand and in most areas where the English settled.

Boxing Day began in England during the Middle Ages, and the tradition continued through the Victorian era. During those times wealthy family households would celebrate Christmas day while their servants had to continue with their normal work schedule and so, in effect, missed out on the celebration. To compensate for this the wealthy families would set aside 26th December as the time for their servant's Christmas.

Work duties would be dropped to a minimum with family members assuming some of the responsibilities of the servants such as keeping the fireplace stocked with coal, greeting visitors themselves and supplying the servants with a good Christmas dinner. The term "Boxing day" refers to the gift that the family gave to each servant - wrapped in box.

In the past people like the postman (mailman), refuse collector and milkman would call at the houses they serviced for a Christmas 'Box' but nowadays they are given a 'tip' when the homeowner sees them.

My childhood memories of Boxing Day are that we spent the day together as a family, we relaxed, enjoyed our presents and ate leftovers from the Christmas dinner. Also our dad did not have to go to work on that day. He worked six days a week and it was a treat to have him at home.

I have travelled to many different countries, but no matter where I have lived, I never miss celebrating Boxing Day – the day of tradition, family and counting our blessings.

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@excalibur.org or visit <http://excalibur.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.ecatrail.org/>
Fix Buffalo- <http://fixbuffalo.blogspot.com/>
Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>
GBNRTC-<http://www.gbnrtc.org/blog/>
Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>
Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>
Learning Sustainability Campaign- <http://www.learningsustainability.com/>
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](#)

New York State Resources

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.buffaloaudubon.org
www.buffalogardens.com
www.buffscience.org
www.tifft.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

Education Resources

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[The Center for Ecoliteracy](#)

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

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

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

Grant Opportunities/Tools

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

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

www.grantstation.com

www.grantwatch.com

www.grantsalert.com

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

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

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](http://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
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/>
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 dropoffs
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
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)
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>
Hazardous Household materials- <http://www.hazmanusa.com/>
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pharmaceuticals-dropoff sites at [map](#)
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448

Recycling A to Z - [realsimple](#)

Shoes, athletic-[NikeReuseAShoe.com](#), [Souls4Souls.org](#) and [OneWorldRunning.com](#)

Sports equipment-resell/trade at [www.playitagainsports.com](#)

Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.

Tennis balls- <http://www.rebounces.com/recycle/>

Toys, plastic- http://dmpgreen.com/mail_in.html

Uses and reuses for many items- <http://www.world.org/weo/recycle>

Water filters-Brita partners with [preserveproducts.com/recycling](#)

Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

Eco-volunteering with Travel:

<http://www.planetfriendly.net/learn.html>

<http://www.globalteer.org>

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

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

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

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

Education Courses or Certificates:

Energy University Website with Schneider Electric- [Courses](#) are free

Green Classroom Professional Certificate- Online courses, info [here](#)

Solar Energy Training- <http://www.solarenergy.org/training-schedule/>

Coursera- www.coursera.org

Miscellaneous:

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.buffaloaudubon.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.buffaloorithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizens for Regional Transit	www.citizenstransit.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org

Clean Air Coalition of Western New York	http://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.coalitionpositive.org/
Community Action Organization of Erie County	http://www.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://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/
Fillmore Forward	www.fillmoreforward.org/
First Hand Learning	www.firsthandlearning.org
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
For A Clean Tonawanda Site	www.factsofwny.com/
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://greendevlopmentzone.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.nylev.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/niagarafontierbotanicalsociety.org/niagar

Niagara River Anglers Association	www.facebook.com/Niagara-River-Anglers-1013633888708865/
Niagara River Greenway Commission	www.niagaragreenway.org
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	http://www.niagara.edu/renu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://rocbuffalo.org/
Retree Western New York	www.re-treewny.org

ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Buffero-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	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://wnyssc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslcl/
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.westsideministries.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/