

Enviro-News

December 2018

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:

Metro Rail Expansion Open House

Join the NFTA at the first public meeting for the Metro Rail Expansion on **December 6, 2018** from 5 to 7pm at Sweet Home Middle School, 4150 Maple Rd., Amherst. This open house marks the beginning of the Environmental Impact Statement process. During this phase, they will assess visual effects, noise, financial and economic impacts, as well as other factors that go into the development construction and operation of a light rail line. Project renderings will be on display, with design and routing ideas. Even better - this is your chance to talk with the project team and other members of the community about the Rail Expansion. Please stop by anytime between 5 and 7 PM. For more information, visit NFTAMetroRailExpansion.com

WNY STEM Hub Annual Student Showcase and Annual Meeting

Celebrate National Computer Science Education Week with WNY STEM Hub at the WNY STEM Student Showcase! The free event is on **December 6** from 5:30-7:30pm at SUNY Buffalo State College, Science and Math Complex, near parking lot I37 off Iroquois Dr. WNY STEM Hub's signature projects are one-of-a-kind experiences that inspire learning, change lives and prepare the next generation of WNYers. Computer Science is at the heart of these initiatives. For info, contact Michelle Kavanaugh [Email](#). Register [HERE!](#)

Sustainable Investing "Think & Drink"

Join the Sustainable Business Roundtable on **December 12** from 3-5 at TriMain Building, Main Street, Buffalo for the Sustainable Investing "Think & Drink". How is your company's Environmental, Social & Governance (ESG) score calculated? How are your company's sustainability initiatives and reports viewed by the investment community? Can you really make money with investments guided by your values? Companies' ESG scores will increasingly determine if trillions of dollars in global institutional and retail capital flow towards or away from them. You have questions. We have an expert panel to discuss the market and answer your questions, networking with your business peers and beer (also wine). What are you waiting for, RSVP today for this great free event! [Register.](#)

Workshop on Crime Prevention Through Environmental Design

The City of Buffalo Division of Citizen Services is offering a free 40-hour workshop on crime prevention through environmental design. The training will be 8:30am to 4:30pm from **December 3-7** at the Tri-Main Building, 2495 Main St. and is open to all. To register, contact Antwan Diggs at adiggs@city-buffalo.com or 851-4281. Block club leaders, faith-based leaders, youth leaders, and educators are especially encouraged to participate.

WNY Soil Health Alliance Annual Meeting and Workshops

The annual WNY Soil Health Alliance meeting will be **Wednesday, December 19, 2018** from 8:30am to 3pm at Quality Inns and Suites, 8250 Park Rd., Batavia, NY. Cost is \$25 if pre-register by December 13 or \$35 at the door. Info at <http://www.wnysoilhealth.com/events/>. Several workshops will be featured including information on using regenerative farming practices to build soil resilience, inter-seeding challenges & opportunities and using the NRCS calculator to develop Cover Crop mixes. A flyer is available at [info](#).

Annual Winter Clothing Drive

Every year our community comes together to donate coats, hats, mittens, gloves, scarves and other warm winter clothing items to our neighbors in need. You can donate your gently-used items **through December 14** at one of the following locations: Clarence Public Library, Newstead Public Library, Assemblyman Michael Norris District Office at 8180 Main Street, Clarence, Lockport Municipal Building, Wilson Free Library Central, Newfane Town Hall, Lockport Town Hall and Middleport Village Hall.

Erie County Parks Master Plan- Public Meeting and Comments Welcome

The Erie County Department of Parks, Recreation and Forestry in conjunction with the Erie County Department of Environment and Planning invite you to provide public input on the updated Erie County Parks Master Plan ("the Plan"). The Plan is intended to create a framework for preservation, enhancement and improvement of existing Parks assets and landscape settings over the next 15-20 years. The Plan development was guided by extensive public outreach which included a park user survey of 5,000 random county residents and seven stakeholder meetings with 65 stakeholder groups providing input. The Plan provides recommendations to improve each Park along with system-wide recommendations and guidance concerning partnerships to improve park maintenance and operations, improve public communications around park features and events, and preservation and restoration of natural systems and heritage features. **The full plan can be reviewed [here](#), with online public comment on the Plan accepted through December 17, 2018.**

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.

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.

Join Climate Watch!

Join the 50+ Audubon centers and chapters that are already participating in Audubon's newest community science program, [Climate Watch](#). Climate Watch aims to document how birds are already responding to a changing climate and is a great opportunity to engage people who are concerned about birds and climate change. The next season will take place **January 15 to February 15, 2019**, and the program depends on skilled and dedicated volunteers like yourselves to organize local and regional efforts so be sure to register a training to learn more about the science behind Climate Watch and how you can get involved as a coordinator or participant. An upcoming coordinator web training will be October 3 at 4pm. [Register](#) in advance.

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. It follows the work of community leaders, residents, planners, and advocates who have championed the potential of this site for years. And it also follows on the heels of a year-long community visioning process that resulted in a published community vision plan that will guide the future of the DL&W corridor. The corridor is owned by the Niagara Frontier Transportation Authority (NFTA).

Competition winners will be selected by a jury of community leaders and local, national, and international experts in planning, design, community development, public art, architecture, and urban trail projects like New York City's High Line and Toronto's Bentway. The proposals will be revealed on the Land Conservancy's website and at several public exhibitions this spring. In addition to three winners selected by the jury, the community will also be able to select their favorite proposal. The winners will receive monetary awards ranging from \$1,000 to \$7,500.

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.

Tree Planting Nears the 30,000 Goal

Re-Tree has neared its goal of planting 30,000 trees since the damaging October 2006 snowstorm. The non-profit founded by Paul Maurer hopes to have a celebration in April, 2019 to acknowledge the work of so many volunteers and organizations who have made this possible.

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](#).

Confirmed Spotted Lanternfly in NY

The New York State Departments of Environmental Conservation (DEC) and Agriculture and Markets (DAM) confirmed that [spotted lanternfly](#) (SLF), an invasive pest from Asia, has been found in Albany and Yates counties. A single adult insect was discovered in a vehicle in the Capital District. In addition, a single adult insect was reported on a private Keuka Lake property in Penn Yan, Yates County. At this time, no additional insects have been found. DEC and DAM urge New Yorkers to report potential sightings to spottedlanternfly@dec.ny.gov. This insect is a destructive pest that feeds on more than 70 plant species including tree-of-heaven (*Ailanthus altissima*), maples, apple trees, grapevine, and hops. A Smartphone application is also available to help citizens and conservation professionals quickly and easily report new invasive species sightings directly to New York's invasive species database from their phones. For more info, visit <http://www.nyimainvasives.org/> (leaves DEC website).

“Sam Soymilk’s” Journey-Life Cycle of a Carton

The Carton Council documented the journey of a soy milk carton, Sam Soymilk, from the day he's purchased to the day he's transformed into tissue. Enjoy learning about a beverage carton's recycling journey from a fresh perspective! Visit [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/>

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.

One Positive Solution to Marine Pollution: Biodegradable

Plastic debris is known for its harm to marine life, tangling birds' wings, choking marine mammals and distorting the shells of growing sea turtles. Saltwater Brewery, a craft microbrewery in Florida, has worked with a startup E6PR to develop six-pack rings that can either biodegrade or serve as food for wildlife. The rings, made of wheat and barley, are becoming available in south Florida. Learn more at <https://www.e6pr.com/>.

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.

Electronics Recycling: Collection Events

Sunnking has residential electronic collection events throughout the upstate NY area throughout the year. You can view the first half of 2018's schedule at [https://www.sunnking.com/consumer-business/events/!](https://www.sunnking.com/consumer-business/events/)

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 these grants in January 2019. Approximately \$900,000 is available for the 2018 funding period (January 1, 2018 - December 31, 2018). DEC will accept applications for this funding opportunity beginning January 1, 2019, and no later than February 28, 2019. New York's Electronic Equipment Recycling and Reuse Act, requires electronic equipment manufacturers to offer consumers programs to collect and recycle e-waste such as computers, laptops, printers, monitors, keyboards, video game consoles, keyboards, televisions, and other small electronic equipment and has diverted more than 520 million pounds of e-waste from landfills for reuse and recycling between 2011 and 2016. As technology advances, the amount of e-waste consumers generate continues to grow. These grants will help mitigate financial pressures some local governments face in collecting and properly managing e-waste. DEC's Household Hazardous Waste Assistance Program will continue to administer the grant application process. 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.

While the Human is Away, the Plants will Play

Watch this time lapse footage of what two houseplants do during the day.

<https://www.treehugger.com/green-home/video-shows-what-houseplants-doing-while-we-are-away.html>

Humorous Video on Plastics Recycling Confusion

You can view a short humorous recycling video at <https://livegreen.recyclebank.com/earn-points/recycling-plastic-cups-it-s-easier-than-you-think>.

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](#).

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>

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

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

NYSERDA Farm Energy Audits

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

Plan Ahead for Nature Trips

Earth Spirit Education is offering summer and winter 2019 wildlife adventures. In August, 2019, they have trips planned for Yellowstone National Park and the Adirondacks. A December, 2019 excursion to Yellowstone will feature wolves, wildlife and predation. Info and registration at <https://earthspiritedu.org/excursions/>

Rechargeable 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 *Amorphophallus titanum* - 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>.

DEC Announces \$2.24 Million in Urban Forestry Grants Awarded to Projects Statewide

Recent urban forestry grants have been awarded to several local projects. Local recipients include the Towns of Amherst, Cheektowaga, and Clarence; Buffalo Olmsted Parks Conservancy; Villages of Lancaster and Williamsville; and City of Lockport. Funding was awarded for a tree inventories, plantings, maintenance and management plans.

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](#).

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.

Teacher's Resources

[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.

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for use for all K-12 schools. Resources to help schools get started with ArcGIS Online are available [here](#).

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

The U.S. Environmental Protection Agency (EPA) announces the release of the [16th Annual P3 Awards: A National Student Design Competition Focusing on People, Prosperity and the Planet \(P3\)](#)-EPA announces its Phase I Request for Applications (RFA). This collegiate design competition promotes the use of scientific and engineering principles in creating innovative projects to address environmental challenges and develop real-world solutions. This RFA is seeking applications in the research areas of Air Quality, Safe and Sustainable Water Resources, Sustainable and Healthy Communities, and Chemical Safety. .Deadline: **December 11**.

[Transforming our Tomorrow: A New Clean Energy Vision Competition](#)-For students or student groups in New York to present their passion in creating a sustainable world through clean energy. Cash prizes. Competition is April 30, 2019. Application Deadline: **December 14**.

["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**.

[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

[Farm to School Grants](#)-USDA Food and Nutrition Service is accepting applications from eligible schools, state and local agencies, Indian tribal organizations, agricultural producers or groups of producers, and nonprofit entities. USDA anticipates awarding approximately \$7.5 million in grant funding to support efforts that improve access to local foods in schools. Planning and training grant awards range from \$20,000 to \$50,000, and implementation grants range from \$50,000 to \$100,000. Grants require a 25% match. Deadline: **December 4, 2018**.

[Specialty Crop Research Initiative](#) requests pre-applications for fiscal year (FY) 2019 to solve critical United States specialty crop issues, priorities, or problems through the integration of research and extension activities that use systems-based, trans-disciplinary approaches. The intent of the SCRI program is to address the needs of the various specialty crop industries through the promotion of collaboration, open communication, the exchange of information, and the development of resources that accelerate application of scientific discovery and technology. Approximately \$80 million is available through this program in FY 2019. Pre-applications may be submitted by Federal agencies, national laboratories, colleges and universities, research institutions and organizations, private organizations or corporations, State Agricultural Experiment Stations, Cooperative Extension Services, individuals, or groups consisting of two or more of these entities. Deadline: **December 10, 2018**.

[Municipal Grants for Emerging Contaminants](#)- New York State Environmental Facilities Corporation (NYS EFC) has up to \$1 million in grant funding to municipalities to help pay for the planning and development of eligible drinking water infrastructure projects that protect public health by removing or otherwise addressing emerging contaminants such as perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS) and 1,4-dioxane (an Emerging Contaminants Project). Deadline: **December 14, 2018**.

[Cultivating Change](#) is a grant program that gives local farms funds to upgrade operations, invest in food safety, implement sustainable technology, and continue doing what they do best: grow. The program is funded by Greener Fields Together's network of fresh produce distributors throughout North America who want to invest in the farms that have been the backbone of their communities for generations. Greener Fields Together local farm partners are automatically eligible to participate in both the popular vote contest and panel review process. Local farms that are not part of Greener Fields Together are able to apply and win via the popular vote contest. The popular vote contest makes \$25,000 available, with \$10,000 going to the first-place vote-getter and smaller amounts awarded down to sixth place. Deadline: **December 15, 2018**.

[2019 Youth Garden Grant](#) - supports school and youth educational garden projects that enhance the quality of life for students and their communities. 5 programs will receive awards valued at \$2100 and 20 programs will receive award valued at \$500. Deadline: **December 17**

[Food and Farm Communications Fund Core Grants](#) awards targeted communications support to community-based nonprofit organizations and grassroots networks working to advance systemic and cultural change across our food and farm systems. The program prioritizes work led by communities of color, indigenous communities, farmers, farmworkers, fishermen, and food workers. Non-profits with average annual revenue of less than \$2 million and a commitment to equity and racial, social, and/or economic justice are eligible to apply for grants ranging from \$15,000 to \$40,000 over a 12-month term. Letters of interest are due by **December 28, 2018**.

[2018 Keep America Beautiful/Coca-Cola Public Spaces Recycling Bin Grant Program](#) is designed to increase access to recycling in community public spaces across America. Eligible recipients for the 2018 Public Spaces Recycling Bin Grant Program include municipal and government agencies, colleges and universities, civic organizations, and local nonprofit groups. Keep America Beautiful will award the grants in mid-January 2019 and make arrangements with suppliers to deliver recycling bins directly to the recipients in the first quarter of 2019. Deadline: **December 30**.

[Solid Waste Management Grant Program Drug Disposal Priority](#) will award additional priority points to Solid Waste Management Grant Program applications proposing innovative projects to promote the [safe disposal of prescription drugs](#) in rural communities. Deadline: **December 31, 2018**.

[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**.

[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.**

[New York State New Farmers Grant Fund](#) provides grants to support beginning farmers who have chosen farming as a career and who materially and substantially participate in the production of an agricultural product on their farm. The grant fund will help farmers 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. Grants may provide a minimum of \$15,000 and a maximum of \$50,000 for up to 50% of total project costs. 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.**

[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.**

[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.**

[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 State has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization in New York. 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. Youth will learn the importance of providing appropriate food sources, nesting areas, shelter, and practicing sustainable gardening practices for pollinators by planning, planting, and maintaining these pollinator gardens. 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

[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 of the organization including coordinating our many events.

[Land Conservationist Genessee Valley Land Conservancy](#)- Deadline: **December 7**.

[Fish Culturist 2](#)-Chautauqua, DEC Region 9 Fish & Wildlife/Fisheries. Deadline: **December 7**.

[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.

[Environmental Permitting Project Manager](#)-TRC Companies, Williamsville office.

[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:

Saturday, December 1

Citizen Science Community Resources Fundraiser- the group founded by Jackie James Creedon is hosting a holiday fund and friend raiser from 4pm-6pm at The Jake Tavern and Grill on 3020 Delaware Ave, Kenmore, NY 14217. We will be honoring the 15 years of citizen leadership and accomplishments of Jackie James Creedon's persistence and accomplishments to improve the health of our community!

Horticultural II Classes: Water Gardening and Aquascaping - 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.

Snowshoe Tour-10:00 am – 12:00 pm at Hyde Park, 911 Robbins Dr, Niagara Falls, NY 14301. Join Buffalo Niagara Waterkeeper for a fun and free snowshoe tour at Hyde Park in Niagara Falls. This tour comes with a free excuse to drink hot chocolate afterwards. Arrive for a 10 am start and prepare for a moderate hike that runs just under 2 hours. We will walk along the Living Shoreline project and along the lake, where you can often spot winter waterfowl! We have about 30 snowshoe pairs for free rental: first come first serve. No shoes? No problem! Wear boots and hike along with us. *No registration required*

Western Excursions: Wildlife Highlights-1:30-3:30pm at Clearfield Branch Library, Williamsville. Earth Spirit, visit [website](#) for complete details and registration.

Breakfast with Santa – 9am to noon. Come enjoy a delicious homemade breakfast with Santa at Beaver Meadow. Activities include crafts and storytelling. The cost of the event is \$7 adults / \$5 children ages 4-12 / 3 and under are free.

Nature's Art Box: Gift Tags – 1 to 3pm. Join Director of Education, Lauren Makeyenko at Beaver Meadow to make gift tags that will spruce up any present you are giving this year – using materials found in nature! People will ask you where you got it, and you can say that you made it yourself! Pre-registration is required. \$7. Ages 6+. Low temp hot glue guns will be used. Please call 585-457-3228 to register.

WNY Hosta Society Breakfast- 10 a.m. at the Forestview Restaurant, 4781 Tranist Rd., Depew. You must RSVP before 5 p.m. Friday, Nov. 30 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.

Woods Walk: Ingenuity of Animal Survival in Winter-11am. Join a guided nature walk through the woods, and learn about animals' winter survival adaptations. No registration required. Reinstein Woods Nature Preserve, Depew.

Friends of Reinstein Woods Holiday Party-1 to 4pm. Friends of Reinstein Woods members will celebrate the beauty of winter at their annual holiday gathering. There will be a live animal presentation and a visit from Santa! New members are welcome. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Sunday, December 2

Winter Waterfall Walk Series-10am to noon at [Niagara Falls State Park](#). Join a park naturalist for a walk around Goat Island. We will discuss the history of Niagara Falls State Park while viewing its splendor during the winter! Call (716) 282-5154 to register for program.

Bearing Overhauls-Go Bike Buffalo Class from 6-7:30pm. Bearings help keep bikes rolling. If they are out of adjustment your bike could be in for some serious issues. Students are encouraged to bring their own bicycles to work on. Cost for classes is \$10 and most classes are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend. 98 Colvin Ave., Buffalo.

Field Trip: Niagara River for Gulls with Rochester Birding Association-**Location:** [\(map\)](#). Join the Buffalo Ornithological Society for a joint Trip with the Rochester Birding Association (RBA) to look for gulls and waterfowl. The later date this year should increase our likelihood of seeing white-winged gulls as they have been arriving later in the fall. A spotting scope is helpful for viewing across long distances. Meet at 9:00 AM in the parking lot just outside the old fort at Fort Niagara State Park. **Because this trip will head across the border into Canada, make sure you have a passport, passport card, Nexus, or enhanced drivers license.** Dress warmly! Leaders: RBA: Rick Stevens (585-689-1882) or BOS: Tom O'Donnell (716-284-5569) or tmodonnell@roadrunner.com.

Buffalo Area Daylily Society- 2 p.m. at the Aurora Senior Center, 101 King St., East Aurora. Doors open at 1:30 p.m. Melodye Campbell of Fairport will give a presentation on extended blooming daylilies. There will also be a cookie exchange.

Borrow Build & Brunch for The Tool Library-Our friends at the University Heights Tool Library will host a fundraiser from 11:00 a.m. to 1:00 p.m. at St. Joseph University School. Having grown significantly over the past seven years, The Tool Library is on the prowl for a larger location. They're also debuting their new branding at the event. The fundraiser is free to attend and includes brunch, basket raffles, and giveaways. [RSVP Here](#)

Monday, December 3

Public Hearing by The Town of Tonawanda Town Board-7pm at 2919 Delaware Ave., Kenmore. Public hearing to solicit comments regarding the Town's proposed acquisition of a portion of the former Huntley Power plant property. The NRG Huntley Coal facility announced closure in 2015 and stopped producing energy from coal in 2016. At the time of closure the company was the largest polluter in Erie County. In March of 2018 NRG listed the site for sale, and in October applied for a [portion of their site to be remediated under the New York State brownfield program](#).

Tuesday, December 4

Little Tykes Nature Camp-9:30 - 11:30 a.m. | \$7 per child with adult* | Ages 3-5 at Tiffit Nature Preserve. 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.* [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/>

Free! Intro to Holistic Herbalism-Anderson Lee Library, 43 Main St, Silver Creek from 6:00pm - 7:30pm. *Optional fee:* dried herbs will be offered in \$4 bags. Both science and tradition confirm the medicinal value of plants growing abundantly outside our back doors. In this talk, Holistic Herbalist Sarah Sorci will explore the importance of holistic and local herbal medicine. Sarah will draw connections to the local food movement, and explore what a "holistic" approach involves. She will also introduce medicinal uses of herbs and spices you may already have in your pantry or backyard. Sample herbal concoctions, and receive recipes to try at home.

Investigative Post Fundraiser- 7 p.m. David Cay Johnston on Donald J. Trump at Burchfield Penney Art Center, 1300 Elmwood Ave., Buffalo. [David Cay Johnston](#) is a keen observer of the president. He's authored two books in the past three years on Trump and chronicles his administration as editor of [DCReport](#). He's also a frequent guest of Rachel Maddow and Lawrence O'Donnell on MSNBC. Johnston is a former president of Investigative Reporters & Editors and a past Pulitzer Prize winner with The New York Times. He will be interviewed by Investigative Post Editor Jim Heaney.

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

Wednesday, December 5

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at NYS DOT Region 5 office, 100 Seneca 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](#).

WNY Rose Society-7 to 9pm at St. Stephens-Bethlehem United Church of Christ, 750 Wehrle Drive, Buffalo. The meeting will be the annual holiday party. Guests are welcome to attend monthly meetings. Information about the Rose Society and membership dues is [available online](#).

Buffalo & Erie County Botanical Gardens Holiday Luncheon- 11 a.m. to 2 p.m. at The Columns, 221 Transit Road, Elma. 11am-2pm, Members \$30; General Public \$35. This event, hosted by Heather Ly of WGRZ-TV, includes a delicious lunch, a basket raffle and more. Guests will also take home a special gift. Order tickets [online](#) or call 827-1584 ext. 219.

Buffalo Talk/Walk: Shea's Seneca –Join us for a unique mash-up of a Buffalo Talk AND Walk! We will hold this month's Buffalo Talk at the historic Shea's Seneca location (NOT the library). Join us to learn about this repurposed gem in South Buffalo at 2178 Seneca Street. Schneider Development Services has created a multi-use building out of the former theatre. We will hear directly from Jake Schneider about the process and then he will give us a tour of the building. Hope to see you there! [Click Here to Reserve Your Space](#)

Beautiful Bitters: Reconnecting with a Lost Flavor-6 to 7:45pm at beHealthy Institute, Main St., Hamburg. \$24 includes samples and handouts. In this class, Community Herbalist Sarah Sorci will briefly discuss the disappearance of bitterness from American agriculture and diet. We will explore the range of effects that bitterness has on the body, including stimulation of digestive secretions, improved absorption of nutrients and fats, support of healthy blood glucose levels and weight, and more. Sarah will describe the specific properties of some of her favorite bitter herbs, focusing on those that can be cultivated or sustainably wild-harvested in New York State. [Register](#).

BMSI Grant Street Info Session-6:00 pm - 7:00 pm. Heart of the City Neighborhoods, Inc. is hosting an Informational Session at the Buffalo State Community Academic Center to share program information and answer questions about the [Buffalo Main Street Initiative on Grant Street](#). Grant funding is available to help assist commercial and mixed-use property owners making façade (exterior/ store front) improvements as well as interior improvements to commercial and residential units! Join us to ask your questions and learn more about program guidelines and eligibility!

Thursday, December 6

Great Lakes Educator Workshop Series- Discover activities designed to meet new NYSSLS requirements. Anyone who works with kids is welcome! Attend at least three workshops and receive one free in-school program for your classroom or after school program. Registration required, call 716-683-5959. Reinstein Woods Nature Center. 4 to 6pm. Theme: Great Lakes Service Learning and Citizen Science. For educators of students in grades K-12.

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.

Public Open House for Metro Rail Expansion- 5 to 7pm at Sweet Home Middle School, 4150 Maple Rd., Amherst. Stop by to view project renderings, ask questions and provide feedback. For info, visit <https://www.gbnrtc.org/announcements/metro-rail-expansion-project-public-kick-off-meeting-thursday-december-6th>

Environmental Justice Task Force of the WNY Peace Center Meeting-6 PM - 7:30 PM, Thursday December 6, 2018, at the Niagara Branch Library, Porter Ave, Buffalo NY. Mark Dunlea of the [Green Education and Legal Fund](#) will be visiting us from Albany to discuss possibilities for state level action on climate change following the recent elections with the Democrats taking control of the NY State Senate. All are welcome.

Next Herbalists Without Borders WNY Meeting-6:30 to 7:30pm at Shoeizan Enkyoji Buddhist Temple of Rochester, 115 E Main St Hungerford Build. Suite 436 and 438, Rochester 14609. Carpooling: Buffalo area folks & south towns can talk to Sarah (Sarah@sweetflagherbs.com). Niagara County folks can check in with Kristin (reciprocalroots@gmail.com).

WNY STEM Hub Annual Student Showcase and Annual Meeting-5:30 pm – 7:30 pm at SUNY Buffalo State 1300 Elmwood Ave, Buffalo, NY 14222. Science and Math Complex | Parking Lot I37 off of Iroquois Drive. REGISTER [HERE!](#) Celebrate National Computer Science Education Week with WNY STEM Hub at the WNY STEM Student Showcase!

Friday, December 7

Canalside Happy Hour-Head to The Ice on Fridays for our Winter Happy Hour. Music, ice skating, ice bikes, drink specials, and more! 44 Perry St., Buffalo.

Saturday, December 8

Snowshoeing-10:00am to 12:00pm at Kanyoo Trail, Iroquois National Wildlife Refuge. Register at 585-948-5445. Snowshoes available for those who register at no cost. [info](#)

Horticultural II Classes: How to Prune Plants - Buffalo & Erie County Botanical Gardens. 11am to 1pm. Join us for an entertaining garden education with David Clark, Horticulturist & CNLP. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. Members \$18/class, General Public \$23/class.

Hibernation Science Hike at Beaver Meadow – 10am to noon. Naturalist Mark Carra will step you through the science of animal responses to colder weather. Migration, hibernation, brumation, torpor etc... Pre-registration required. \$5. Please call 585-457-3228 to register.

Buffalo Gulls and Waterfowl at Unity Island – 10am to noon. Join Buffalo Audubon Naturalist Tom Kerr for a birding walk on Buffalo's Unity Island. Ducks and Gulls are arriving by the hundreds in the Niagara River, and can be easy for beginner birders to start with. Binoculars are available. Pre-registration is required. Donations gratefully accepted. Please call 585-457-3228 to register.

Family Snowshoe Walk at Iroquois National Wildlife Refuge-10am. Join us for a guided snowshoe walk along the trails as we look for signs of wildlife. Note: This program is being held at Iroquois National Wildlife Refuge in Basom, NY. If no snow, program will be rescheduled on January 19, 2019. Snowshoe rental: \$5. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Stella Niagara Snowshoe Tour-10am to noon. Stella Niagara Preserve – Lewiston, NY. Join Buffalo Niagara Waterkeeper on a walk in the Stella Niagara Preserve. Physical intensity: Low, be prepared to gradually walk up and down a moderate incline in snowshoes. Events are FREE! Registration Required. [REGISTER](#)

Natural Ornaments Workshop-10:30am. Create ornaments and cards using tree cookies, leaves, seeds and more. Materials fee: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Permaculture of Greater Buffalo Meeting- 11:30 a.m. to 4:30 p.m. at 8523 Krull Parkway, Niagara Falls. Share stories of your fall harvest, discuss upcoming permaculture events, and enjoy a warm bowl of homemade soup. Please bring a dish to pass and your ideas of what we can do together next as a community. [Info](#)

Sunday, December 9

Drivetrain-Go Bike Buffalo Class from 6-7:30pm. Join us for hands on learning and discussion of different crank types, chain sizes, cassettes, freewheels, derailleurs and shifting. Students are encouraged to bring their own bicycles to work on. Cost for classes is \$10 and most classes are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend. 98 Colvin Ave., Buffalo.

Winter Waterfall Walk Series-10am to noon at Niagara Falls State Park. Join a park naturalist for a walk around Goat Island. We will discuss the history of Niagara Falls State Park while viewing its splendor during the winter! Call (716) 282-5154 to register for program.

Tuesday, December 11

SciNight Workshop: Winter Backyard Birds- 7:00 PM - 8:30 PM. Get to know your winter backyard birds by learning beginner tips for attracting, photographing and identifying WNY's feathered residents. Examine real mounted species, learn their calls and gain experience using field guides and binoculars through trivia and games. *Advance registration required by December 10.* About SciNight workshops at Tiff: Sign-up every second Tuesday for a special evening of ADULT-ONLY fun, food, and science! Meet local nature-enthusiasts, share your interest, and learn something new! Cost: \$12 per participant (BMS members save 10%), Ages: 18+ [Purchase Tickets](#)

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/>

Tuesday Evening Hike or Snowshoe - 6:00 pm - 8:00 pm. Come out and join our guides and instructions for a Tuesday evening hike. We will be hiking either one of our local bike trails or parks. Depending on the weather and terrain a decision where to venture out is made on Tuesday morning. We will hike until snow hits. Then we hit the trails on snowshoes. Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

ADK General Meeting- 6:30pm at Fellowship Hall – Amherst Community Church, 77 Washington Highway, Snyder NY 14226. NOTE: Please park in rear and enter through back door (walk up to 2nd floor). For our December meeting, we will be branching away from our usual schedule for our annual Holiday Gathering. Please join us for an evening of general frivolity and fun!

“Queen of the Trees”-Meeting of the Niagara Frontier Botanical Society with film at 7:30 PM. A film which describes the intertwining relationships between a single fig tree and the wide range of bird, insect, lizard, and mammal species whose lives it sustains. This film was made for the *NatureTV* series in 2006. (Thanks to member Joe Sullivan for arranging the movie and making the technology work.) If you are able, please bring a treat for a holiday celebration afterward. General meetings are held at 7:30 p.m. on the second Tuesday of each month, September through May, at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except November and April meetings). All are welcome.

Wednesday, December 12

Wild Wednesday-4:30-5:30pm. 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.

Sustainable Business Roundtable Sustainable Investing "Think & Drink"-[Tri-Main](#), 2495 Main St Buffalo, NY 14214. Don't miss the first SBR Think & Drink Big Idea conversation about Sustainable Investing. Raise a glass, network and let's talk about investment strategies that seek to drive positive social or environmental impact alongside financial results. Bring your questions and concerns - This is not a pitch or sale – it's a drink and conversation with your business peers about \$23 trillion in assets managed using a sustainable approach. A panel of experts from Signity/Axa Financial, Goldfarb Financial and KeyBank will provide an overview and answer your questions. RSVP today for this free event! [Register.](#)

Thursday, December 13

Geminids Meteor Shower- 9 to 11pm at [Evangola State Park](#). Blue-green streaking meteors with bright fireball tails to enjoy over Lake Erie's dark pristine skies at the Evangola Nature Center! *Call (716) 549-1050 to register for program.*

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.

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

Friday, December 14

Learning Lab: Working with Communities of Color-12:30 to 2pm at 617 Main St., Suite 200, Buffalo. Partnership for the Public Good. Free, RSVP at buffalocommons@cornell.edu. Speaker is Alfredo Medina, Jr. Executive Director of the Office for Public Engagement, University at Albany, SUNY.

Buffalo Astronomical Association Meeting-7:30pm at Buffalo State Classroom Building, C122, 1300 Elmwood. Free. Holiday Party, contact Irene Ziarnowski at I.ziarnowski50@yahoo.com or 716 480 8675 to RSVP. Please bring a food item to share.

Saturday, December 15

Frosty Forest-10am. Don't know the difference between a spruce and a pine tree? Come learn how to ID local trees in winter! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Woods Walk: Migrate, Adapt or Die-1pm. Join a guided nature walk through the woods and learn about ways that animals survive the winter season. No registration required. Reinstein Woods Nature Preserve, Depew.

Vision Niagara's 1st Happy Hour-@ [Community Beer Works](#), 5:00 pm - 7:00 pm, 520 7th Street. Meet our very energetic board members for a refreshing brew. Let's celebrate all the good stuff we've been doing in the [Niagara Street corridor](#) and plan more for the future! This event is at CBW's new taproom, 520 7th Street, Buffalo, NY 14201.

Evangola Christmas Bird Count-10am to 12:30pm at [Evangola State Park](#). Join us for our first ever Evangola Christmas bird count! We will be birding as a group and both veteran and beginner birders are invited to join. *Call (716) 549-1050 to register for program.*

Old Woods – A Hike Back in Time – 10am to noon. Join naturalist Mark Carra and enjoy the rich history of Beaver Meadow by taking a long stroll around the trails here. From the beginnings of the Buffalo Audubon Society to the purchase of the “Refuge” property to the construction of our wonderful nature center. We will discuss the story of our humble roots to the newest ideas for tomorrow. Pre-registration is required. \$5. Please call 585-457-3228 to register.

Photoshare Happy Hour at Beaver Meadow – 3 to 5pm. Join us at Beaver Meadow, along with other local photographers for an afternoon of sharing photos of the birds we love. The Audubon Photography Award Winners will be on display at Beaver Meadow from December 12 – January 2 and we would love to put your photos on display alongside them! Pre-registration is required. Photos must be submitted by Wednesday December 12th. Please call 585-457-3228 to register.

Christmas Bird Count: Wilson-Lake Plains Contact Garner Light (garnerlight@hotmail.com) if you are able to participate. We are always looking for new people, so please invite them to help out if you know someone who would like to participate!

Snow Rolls!- All bike rides meet at noon, ride at 1230pm, party at 130pm. Location-Lloyd Taco Factory (1503 Hertel Avenue)

Sunday, December 16

Fall Family Hikes- 9:00 am - 11:30 am, Royalton State Park. Summer is almost over and some of the most shared family scenic adventures is by hiking. This adventure is geared for the young at heart. Parents are welcome to join us too! We will explore a different parks every month. Dress for the weather! There is no cost for this family adventure. Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors.

Fix a Flat-Go Bike Buffalo Class from 6-7:30pm. Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. Cost for classes is \$10 and most classes are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend. 98 Colvin Ave., Buffalo.

Christmas Bird Count-Please join us for the annual Buffalo Ornithological Society's Christmas Bird Count. Please join in the fun, the more the merrier! Contact David Gordon for an assignment. Compiler: David Gordon (dgordonphoto@yahoo.com or 716-390-1429)

Christmas Bird Count:Jamestown, NY-Compiler: Bill Seleen (wseleen@stny.rr.com or 716-664-4204)

Christmas Bird Count: St. Catharines, Ontario-Compiler: Bob Highcock / Jean Hampson (bob.jean@sympatico.ca or home: 905-688-1260 or cell: 905-327-5457)

Sunday, December 16

Knox Farm Christmas Bird Count-10am to 12:30pm at Knox Farm State Park. Join us for our annual Knox Farm Christmas bird count! We will be birding as a group and both veteran and beginner birders are invited to join. *Call (716) 549-1050 to register for program.*

Winter Waterfall Walk Series-10am to noon at Niagara Falls State Park. Join a park naturalist for a walk around Goat Island. We will discuss the history of Niagara Falls State Park while viewing its splendor during the winter! *Call (716) 282-5154 to register for program.*

Hike in Royalton State Park-This adventure is geared for the young at heart. Parents are welcome to join us too! Come out and join us for a morning hike from 9:00 am until approximately 11:00 am. As we near winter enjoy walking the paths with new fresh snow falling. Dress for the weather! There is no cost for this family adventure. Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors.

Monday, December 17

Siberian Husky Club of the Niagara Frontier-6:00 pm. Come meet a husky at the [Clarence Public Library](#) Clarence Public Library, 3 Clarence, NY.

Tuesday, December 18

Toddler Time: Winter Birds – 10 to 11:15am. Join us at Beaver Meadow to learn about birds that live here year round. We'll read a short story, make a chirpy craft and snack and watch birds at our feeders. Pre-registration is required. \$3. Ages 2-4. Please call 585-457-3228 to register.

African Violet and Gesneriad Society of WNY- 7 p.m. at the Greenfield Health and Rehabilitation Facility, 5949 Broadway, Lancaster. The topic will be common pests. Contact Judy Oneil at judyoneil1945@gmail.com for detailed directions to the meeting.

Tuesday Evening Hike or Snowshoe - 6:00 pm - 8:00 pm. Come out and join our guides and instructions for a Tuesday evening hike. Depending on the weather and terrain a decision where to venture out is made on Tuesday morning. We will hike until snow hits. Then we hit the trails on snowshoes. Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

Erie County 4-H for the National Science Experiment: Code Your World- Youth in grades 3 through 12 will learn basic animation and how to code dances like the Cupid Shuffle and the Chicken Dance! There will also be many other engaging Science, Engineering, and Technology activities for kids of all ages! 4:30 pm – 6:00 pm at Hennepin Community Center, 24 Ludington St., Buffalo, NY 14206. Free. The 4-H National Youth Science Day aims to engage young people in one day of hands-on STEM activities. To register, please call 716-652-5400, or email: Teresa Tokasz, tmt63@cornell.edu, or Sara Jablonski, sej57@cornell.edu.

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, December 19

Life on a Coral Reef- 7 to 8pm at Buffalo Science Museum. Free with museum admission. Join the Camera Club in a celebration of 36 years of underwater photography and the International Year of the Reef.

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: Cabinet of Curiosities (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. Take a peek into the Vertebrate Zoology Collection's spine tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! Marvel at obscure oddities, glimpse the wildly unusual and satisfy your macabre interests. You truly never know what you might encounter in the Cabinet! Cost: \$25 per participant (BMS members save 10%). [Purchase Tickets](#)

WNY Soil Health Alliance Annual Meeting and Workshops- 8:30am to 3pm at Quality Inns and Suites, 8250 Park Rd., Batavia, NY. \$25 if pre-register by December 13 or \$35 at the door. Info at <http://www.wnysoilhealth.com/events/>

Thursday, December 20

Wellness Walks-10:00am - 12:00pm. Drop by Tiffit 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, December 21

Nature's Art Box: Winter Solstice Sun Applique – 7 to 9pm. Don't let Seasonal Affective Disorder bring you down. Join us for some warm Wassail (spiked or unspiked) and learn some basic stitching techniques of felt applique. Each participant will go home with a lovely sun applique that can be hung on a string or worn as a pin to welcome the return of light. Pre-registration required. \$10. Adults. Please call 585-457-3228 to register.

Winter Solstice Night Hike-5 to 7pm at Knox Farm State Park. Welcome in the winter season as we enjoy an evening trail hike on the longest night of the year. *Call (716) 549-1050 to register for program.*

Saturday, December 22

119th Annual Christmas Bird Count -8am to noon. Join other birdwatchers from all over Western New York in the oldest running community science project in the world, and spend the morning counting birds in and around Beaver Meadow! Your data helps scientists understand changes in our local and worldwide bird populations. Call Beaver Meadow at 585-457-3228 or email Naturalist Tom Kerr (tkerr.buffaloaudubon@gmail.com) to register today. Birders of all ages and experience levels are welcome. Binoculars are available.

Winter Solstice & the Full Cold Moon – 5 to 6:30pm. Join naturalist Mark Carra for a night around a warm campfire with hot cocoa, stories, and good conversation under our Beaver Meadow sky to celebrate the shortest day of the year and learn about the Full Cold Moon of late December. Pre-registration is required. \$5. Please call 585-457-3228 to register.

Hot Chocolate Hike at Tiff Nature Preserve-6 to 7:30pm for ages 5+. Cost \$7 per participant. Stretch your legs with a wintry nighttime walk and warm up afterward with hot chocolate. Snowshoe rental available for \$2, if enough snow. Advance registration required at www.tiff.org

Make a Reusable Bag-1 to 3pm. Bring an old t-shirt and we'll help you transform it into a reusable shopping bag! A reusable bag makes a great last-minute holiday gift. Stop in any time during the program. No registration required. Reinstein Woods Nature Preserve, Depew.

Saturday, December 22

Full Moon Adventure Series: Long Night Moon-6 to 7:30pm at DeVeaux Woods State Park. Let's use the full moon as a guiding light, on an evening adventure of the night! *Call (716) 282-5154 to register for program.*

Tuesday, December 25

Merry Christmas!

Thursday, December 27

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.

Christmas Bird Count: Niagara Falls, NY/Ontario-Marcie Jacklin (Ontario: mjacklin@brocku.ca or 905-871-2577) and Willie D'Anna (NYS: dannapotter@roadrunner.com or 716-751-3637).

Christmas Bird Count: Oak Orchard, NY-Compiler: Celeste Morien (celeste.morien@gmail.com or 585-721-8202)

Dollar Day at the Buffalo & Erie County Botanical Gardens- 10:00 AM to 05:00 PM. Come visit the gardens for \$1! It will be warm inside, and the poinsettias will be in full bloom!

Friday, December 28

Science After Hours: Home for the Holidays Trivia- 6:00 PM - 9:00 PM at the Buffalo Museum of Science. Gather your family and friends for a lively night of fun and games. Quizmaster Dennis George presides over mini games in the main hall throughout the evening. The bar is open for beer and wine, and the museum is yours to explore. Beer and wine available for purchase. Ages: 21+, ID required at the door. Cost: \$16 per person.

[Purchase Tickets](#)

Family Nature Quests: Winter Wildlife-10:30am. Look for signs of who is out and about in the winter woods, and discover how animals survive the cold. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Saturday, December 29

Niagara Rapids Birding – 10am to noon. Join Naturalist Tom Kerr at Goat Island in Niagara Falls for a morning birding walk at one of the best hot-spots to see winter gulls and waterfowl in North America. The Three Sisters Islands are closed for the season, but New York State Parks has given us special access to view the gulls and ducks that spend their winter in the rapids above Niagara Falls. Binoculars are available. Pre-registration is required. Meet at Goat Island Parking Lot #3. Donations are gratefully accepted. Please call 585-457-3228 to register.

Hot Chocolate Hike at Tiff Nature Preserve-6 to 7:30pm for ages 5+. Cost \$7 per participant. Stretch your legs with a wintry nighttime walk and warm up afterward with hot chocolate. Snowshoe rental available for \$2, if enough snow. Advance registration required at www.tiff.org

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

Christmas Bird Count: Hamburg-East Aurora, NY-Compiler: Tom O'Donnell (tmodonnell@roadrunner.com or 716-284-5569).

Christmas Bird Count: Port Colbourne, Ontario-Compiler: Drew Campbell (drew.campbell@gm.com or drewcampbell@roadrunner.com; (home) 716-668-0759 or (cell) 812-797-6679). Meet at McDonald's, Highway 3 and Highway 58, Port Colborne at 8AM

Monday, December 31

Fish Printing-10:30am. Create colorful artwork using real and replica fish in the style of gyotaku, the Japanese method of fish printing. Paper will be provided but participants can also bring a white shirt or bandanna. Materials fee: \$3/free for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Beaver Island Blizzard Bash!-10am to noon at Beaver Island Nature Center. "Zing" in New Year's Eve on a snowshoe hike along the majestic Niagara River! A great chance to try our lightweight "Atlas" snowshoes or take a scenic power walk if there is no snow. Call (716) 549-1050 to register for program.

Tuesday, January 1

First Day Lake and Forest Exploration Hike-9 to 11am 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.

Wednesday, January 2

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at NFTA Board Room. 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.

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.

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/>

Tips for the Environment:

- 1. Consumer consciousness**- Most people shop more during the holiday season. It can be exhausting to try to green your purchases, but there are resources to help you find products that are more environmentally-friendly or sold by companies with a validate commitment to social and environmental responsibility. Here are a few resources to help: [chocolate](#), [wine](#), [various gifts](#) and [more](#). You can also check out the company's website for their mission. And if you use an app to search, find out how the app scores for using renewable energy at <http://www.clickclean.org/> for 2017 data.

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

By Lesley Haynes

This is a column that Lesley contributed for December 2017 as a reminder of what we can do this time of year.

As we approach the Christmas season and are caught up in the hustle and bustle of activities, it is important to be thoughtful about energy saving purchases. I have mentioned most of these things before but feel that they may be worth repeating.

Plan to purchase a living Christmas tree with roots attached. Later you can plant it in your yard or donate it to your local parks department. If it's a cut tree, recycle it. Shred the live tree and use the mulch in the garden around evergreen shrubs and trees.

If purchasing new holiday lights, consider seasonal light emitting diode, or LED, strings of lights. These can use up to 95 percent less energy than conventional bulbs, and they last seven times longer. Using holiday lighting wisely can lower power consumption. Timers and photo cells can also help reduce power usage by turning the lights on at dusk and turning them off at a desired time. Avoid leaving lights on all night. More strings of lights means more energy used - try reducing the number this season. Tinsel can be used to amplify lighting.

Be financially responsible: Overspending during the holidays will not only increase your stress now, but will leave you feeling anxious for months afterward as you struggle to pay the bills. Step back from the excessive gift-giving and practice simplicity, creativity and basic human kindness

Going green is the way to go when planning gifts. - When you give someone a "green gift" it means you went the extra distance for someone and for everyone. It means you have taken the time to consider the environment. It also means you have given a gift that shows something about you - and that you have created a ripple effect whose final result is too significant to calculate.

Together we can make a difference"

Lesley Haynes – lesleyhaynes14@yahoo.com

Ongoing Volunteer Opportunities Available

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com>

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

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

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

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

<http://buffalorising.com>

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

Additional local blogs and websites-

Buffalo Niagara Gardening - <http://www.buffalo-niagaragardening.com/>

Buffalo Niagara Nature Almanac- <http://bnnatureblog.com/>

Buffalo Issues Alert- <http://groups.yahoo.com/group/BfloIssueAlerts/>

Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>

Buffalo Tours- <http://buffalotours.blogspot.com/>
Buffalo Green Fund-<http://www.buffalogreenfund.org/>
Canning Tips for Food Preservation- <http://www.motherearthnews.com>
Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>
Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>
Daily Public- <http://www.dailypublic.com/>
Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>
DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>
Edible Buffalo- <http://ediblebuffalo.wordpress.com/>
Erie Cattaraugus Rail Trail- <http://www.ecattrail.org/>
Fix Buffalo- <http://fixbuffalo.blogspot.com/>
Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>
GBNRTC-<http://www.gbnrtc.org/blog/>
Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>
Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>
Learning Sustainability Campaign- <http://www.learningsustainability.com/>
Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>
Reuse Action-<http://reuseaction.com/blog/>
Rochester Environment- <http://www.rochesterenvironment.com/>
WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>
Outdoors Niagara- <http://www.outdoorsniagara.com/>
Environmental Tips- <http://www.globalstewards.org/ecotips.htm>
Good Neighborhood- <http://thegoodneighborhood.com/>
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
All about Nature- <http://www.meetup.com/All-About-Nature-in-WNY/>
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- <http://peaceweavers.org/>
Eco-Island Nature Center- www.k12.ginet.org/resources.cfm?subpage=6518
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/>
SOLE of Buffalo- <https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
South Buffalo CREW- <http://www.southbuffalocrew.com/>
U Save Buffalo/Recycling- <http://www.facebook.com/USaveBuffalo>
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>
WGRZ Outdoors- <http://www.wgrz.com/local/2-the-outdoors/>
Citizen Science Opportunities- [listing](#)

New York State Resources

Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

Green Jobs, Internships and Opportunities

Environmental Internships-<http://environmentalinterns.ncseonline.org/>
Green Jobs- <http://www.greatgreencareers.com> , <http://www.greenjobs.com/>
UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org
www.buffaloudubon.org
www.buffalogardens.com
www.buffscience.org
www.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.wnygrantmakers.org/
www.grantstation.com
www.grantwatch.com
www.grantwrangler.com
www.grantsalert.com
<http://www.glrppr.org/funding/>
<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/>

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, SunKing 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.sunking.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.buffaloudubon.org
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/

Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/

Citizens for Regional Transit	www.citizenstransit.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	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://greendevelopmentzone.org/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenup Jamestown	https://www.greenupjamestown.com/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
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.nysacny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	www.nysparks.com
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/

Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafrontierbotanicalsociety.org/niagara-society/home/
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://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Bufferalo-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/
UnwasteNY	http://www.unwastenyc.org
Urban Land Institute	http://newyork.uli.org/regional/
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/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideminstries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/
Youth Climate Summit	https://wnyyouthclimatesummit.org/