

Enviro-News

November 2018

Sponsored by Daemen College's Global & Local Sustainability Program

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Articles:

Election Day is Tuesday!

Exercise your voting privilege-turn out **Tuesday, November 6**. Info on Erie County polling places and candidates is available [here](#). For Niagara County, check for info [here](#).

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 upcoming meetings 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. Public meetings are planned for **November 3** (10am to noon) at Ellicott Creek Park Friendship House, [Creekside Drive, Tonawanda, NY 14150](#) and **November 15th**, 2018 (6:00 – 8:00 PM) at Como Lake Park Casino, [2220 Como Park Blvd, Lancaster, NY](#). **The full plan can be reviewed [here](#), with online public comment on the Plan accepted through December 17, 2018.**

Hops 'N Rocks

Join us on **Thursday November 8** from 6 to 9 pm at Buffalo Riverworks for a festive evening in support of Penn Dixie Fossil Park & Nature Reserve. We'll have dinner, drinks, live music, auctions, and all sorts of fun prizes. Robin Evenhouse from Evenhouse Printing in Hamburg will be our special guest auctioneer. Hops 'N Rocks also serves as our annual membership meeting and we'll take this opportunity to share some really exciting news. All ages welcome. Detailed info and tickets [available on our website](#).

Lead Safe Rehab Workshop

If your historic house was built before 1978, there's a good chance you've got some lead paint. At our Lead Safe Rehab workshop on **Thursday, November 8th** at 6 pm, Christiana Limniatis, PBN's Director of Preservation Services and an EPA Certified Lead Renovator, will provide homeowners tips on how to minimize exposure to lead when rehabbing, repairing, or painting your home. [Register for this workshop today!](#)

Learn How to Help Wildlife!

Learn how to lend a helping hand and provide proper emergency stabilizing treatment to injured, orphaned, and distressed wildlife living in your community. Hawk Creek Wildlife Center's Fall Wildlife Rehabilitation Course is an intensive eight hour learning experience being offered to the public **Saturday and Sunday, November 10 and 11, 2018** from 12-4pm. This special course is taught by licensed wildlife rehabilitators sharing over 30 years of real-life experience, up-to-date technical information, incredible stories, and invaluable wisdom. The course is open to adults, age sixteen or older, who are preparing to take the NYSDEC wildlife rehabilitation exam or are just interested in expanding their knowledge. **Pre-registration is required.** The eight hour course is \$100 per person. Course is held at our new facility at 1963 Mill Road, West Falls, NY 14170. To register, please click [HERE](#) or contact Hawk Creek at (716) 652-8646.

Art Show and Wine Tasting Benefit for Reinstein Woods Nature Preserve

Friends of Reinstein Woods invites the public to our annual fundraiser, Nature's Gathering, on **Saturday, November 10, 2018** from 5:00 p.m. to 8:00 p.m. at Buffalo Iron Works, 49 Illinois St. Buffalo, NY 14203. This event will raise funds to support the educational programs and environmental projects at Reinstein Woods and throughout the Western New York Community. Guests will enjoy browsing art and specialty goods from local artisan vendors and sampling beer and wine from area breweries and wineries. The night will feature a delicious array of appetizers from Rich Products, Yancey's Fancy, and Johnny's Meats and a basket auction, 50/50 raffle, and entertainment. The artwork showcased by the vendors will be nature-themed or naturally based products to embody the sustainable spirit of Reinstein Woods. Tickets are \$15 in advance or \$20 at the door. Tickets can be purchased online at www.reinsteinwoods.org/events/2018-natures-gathering/ For more information, please contact Hanna O'Neill at 716-683-5959.

Passive House Open House

Are you considering building or renovating a home? Passive House is an extremely energy-efficient design. Come tour an award-winning home that features high performance windows, whole house ventilation, super insulation, air tight thermal bridge free construction, indoor air quality monitoring and superb comfort with a super low energy usage. 340 Quaker Meeting House Rd., Honeoye Falls 14472. The house will be open for viewing on **Friday November 9th, 2018 from 12pm - 5pm and Saturday November 10th, 2018 from 9am - 4pm.** For more info, visit <https://rochesterpassivehouse.blogspot.com/>.

Annual Vegan Thanksgiving Potluck Dinner

The annual vegan Thanksgiving dinner is planned for **Sunday, November 18, 2018**, at 5:30 p.m. at the Unitarian Universalist Church of Amherst, 6320 Main Street, Williamsville. The dinner is a fun(d)-raiser for the Animal Advocates of WNY. Suggested donation is \$10 for adults; \$5 students and seniors, \$2 children 10 and younger - Plus bring a VEGAN dish to pass. Reservations are required- Please call Nan and Walter Simpson, 839-0062. Walter Simpson, co-founder of the Animal Advocates of WNY and an energy and climate expert, will explain the Intergovernmental Panel on Climate Change's 2018 report and our best options to avoid catastrophic climate disruption for people and animals too. All are welcome with reservation. In the spirit of Thanksgiving sharing, you are welcome to bring a non-perishable (dry or canned – no glass please) food donation for people or pets for the Amherst Little Free Pantry hosted by the UU Church of Amherst.

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.

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](#).

DEC Announces Shutdown of Coke Oven Production at Tonawanda Coke Facility

The New York State Department of Environmental Conservation announced the completion of the shutdown of the coke ovens at Tonawanda Coke on October 16, 2018. As the shutdown of operations is concluded, DEC and the U.S. Environmental Protection Agency will be on-site to assess environmental conditions and address both the short- and long-term investigation and cleanup of contamination at the site. Tonawanda Coke Corporation filed for bankruptcy listing \$10 million to \$50 million in assets and \$10 million to \$50 million in debts. No funds will be available to pay unsecured creditors, according to the filing in U.S. Bankruptcy Court in Buffalo. DEC will continue to provide information and regular updates to the public on the progress of the shutdown and cleanup of the site.

NOFA-NY Annual Organic Farming and Gardening Conference

The 2019 Northeast Organic Farming Association-New York Winter Conference will take place Friday, January 18 - Sunday, January 20, 2019. Whether you're a farmer, gardener, homesteader, or eater, there's something at the conference for you! [Visit our conference website](#) to check out the workshops, keynote speakers, and more.

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).

WNY Parks and Trails Benefit from Ralph C. Wilson, Jr. Foundation

In honor of Ralph C. Wilson, Jr.'s 100th birthday, the Ralph C. Wilson, Jr. Foundation announced a \$100 million investment in parks and trails in Western New York. The donation will help with improvements in LaSalle Park (to be renamed after Wilson), capital redevelopment and park maintenance and investment in trails and greenways. This gift will ensure that our region's green space and recreational areas are a source of pride and available for all to use.

“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/>.

Great Lakes Project Investments Pay Off

A report released by the Great Lakes Commission and others, entitled "Assessing the Investment: The Economic Impact of the Great Lakes Restoration Initiative (GLRI)," quantifies the economic impact of the GLRI using both quantified modeling and case studies that illustrate the benefits for Great Lakes communities. The study can be accessed at: <https://www.glc.org/work/blue-economy/GLRI-economic-impact>. GLRI projects that improved water and natural resources in environmentally degraded communities have included cleanup of pollution contamination, invasive species control, prevention of phosphorus runoff and restoration of shoreline and riparian habitat. Economic benefits identified by the researchers included: job creation, increased tourism and real estate values and increased personal income for Great Lakes residents. Buffalo, NY was one of the eight case studies demonstrating how GLRI translated into local improvements in specific Great Lakes communities. Industrial discharges, combined sewer overflows and inactive hazardous waste sites along the Buffalo River had resulted in poor water quality and very limited use of the waterfront and waterway for recreational purposes. With over \$71 million investments from the GLRI, over 500,000 cubic yards of contaminated sediments were dredged from the river, and habitat restoration and invasive species control projects were implemented. Buffalo has since seen a major resurgence in water-based recreation, new residential and commercial development, and a growing millennial population, who are now shaping a different narrative the area than what their grandparents knew. The Buffalo study and other case studies can be accessed at: <https://www.glc.org/work/blue-economy/GLRI-economic-impact/case-studies>.

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=AupnMjYaIQ0>.

New York State Black Bear Study

Staff from DEC's Bureau of Wildlife completed a 4-year black bear population study in collaboration with Cornell University. A total of approximately 240 research sites were deployed on both private and public lands. These sites consisted of a trail camera and barbed wire with bait. The sites were checked every two weeks for photos and hair samples from the barbed wire. The research ended in August. Although DEC has concluded its field efforts, the citizen science project iSeeMammals is still ongoing. Members of the public can contribute data to the research project by submitting pictures and one-time observations of bears and bear sign (scat, tracks, hair, and markings), as well as data from hikes they go on or personal trail cameras they set up. Learn more on the iSeeMammals website.

New Water Pollution Technology Under Development

Scientists at Australia's Edith Cowan University claim to have a new solution to cleanse wastewater with a new degree of efficiency. The breakthrough centers on a fabrication method previously used by the team to develop metallic glasses with a disordered atomic structure that remove impurities from wastewater. This technique was adapted to form what they call crystallized Fe-based ribbons, which are heated in a specific way to form a more ordered atomic structure. This enables electrons within it to move more freely and better bind with pollutants. Read more at <https://newatlas.com/metallic-ribbons-water/56397/>

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.

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>.

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.

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://www.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.

Webinar: NYSERDA-funded Clean Heating and Cooling Campaigns

The Climate Smart Communities webinar series continues in October with a presentation on **Thursday October 11** from 10:30am to noon about [NYSERDA's Clean Heating and Cooling Campaign initiative](#). Speakers will include Scott Smith and Sue Dougherty from NYSERDA. The Clean Heating and Cooling Community Campaign initiative brings together groups of potential customers so they can obtain discounts for air and ground source heat pumps, biomass heating, and solar heating through aggregated purchases and a simplified procurement process. It is also designed to educate and increase the awareness and knowledge of clean heating and cooling technologies among consumers. On this webinar, you'll learn about the first eight clean heating and cooling communities and the [\\$2 million available](#) for new communities. Proposals are due 10/30/18. If you plan to attend, please provide your name, email, and community affiliation to the DEC Office of Climate Change at climatechange@dec.ny.gov or 518-402-8448. In the event that we postpone the webinar, respondents will be notified. Registration is recommended but not required. To join the webinar, go to the [link](#), enter name and email along with password NYSDEC1.

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>.

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](#).

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.

Going Strong: Every Kid in a Park (EKiP) Launches its Fourth Year

A \$10,000 grant from the [National Park Foundation](#) supports Erie Canalway's partnership with national parks to participate in the [Every Kid in a Park](#) program. The grant covers transportation costs and program fees for fourth graders taking field trips to national parks in the [Erie Canalway National Heritage Corridor](#), ensuring that all students are able to participate. Students also receive a one year pass to any national park across the country. Erie Canalway also provides transportation grants to schools to visit canal heritage sites through our [Ticket to Ride program](#). The long-term commitment by National Park Foundation and other supporters to Erie Canalway's Every Kid in a Park and Ticket to Ride programs has resulted in more than 42,000 students having a field trip experience. [Learn more and register!](#)

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>.

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

[Starbucks NextGen Cup Challenge](#)-Starbucks will award \$1 million to inventors who can design a sustainable cup, lids or other materials used in coffee shops. Deadline: **November 5**.

[New York State Parks Photo Contest](#) - Submit some of your favorite photos in one of five categories: Day Trips and Other Adventures, On the Trails & Off the Beaten Path, Connecting with the Outdoors, Camping Life, Points of Interest. Deadline: **November 30**.

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**.

[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

[Municipality Water Quality Improvement Projects](#)-up to \$20,000. Deadline: **November 5, 2018 by 4 pm**.

[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: **November 5 and sometimes other dates in the year**.

[Prudential Spirit Of Community Awards](#) - Are you a middle level or high school student making a difference through volunteering? Apply today for national recognition, monetary awards and an all-expense-paid trip to Washington, D.C.! Deadline: **November 6**.

[Build It With KaBOOM!](#) Build it with KaBOOM! pairs one of their dedicated funding partners with you to come together to plan and build a brand-new playground. Deadline: **November 9**.

[NY Farm Viability Institute Grants](#)-Educators, researchers, farmer groups, agencies, organizations, and businesses within New York State are eligible to apply for grants from \$15,000 to \$125,000. The proposals should be six months to two years, and funds are awarded on a reimbursement basis each quarter. Deadline: **November 14**.

[Budding Botanist Grant](#)-Designed to further their mission, these grants will help our youngest citizens learn about plants, explore their world and inspire them to take care of the life they discover in their local ecosystems. Deadline: **November 19, 2019**

[Northeast SARE Farmer Grants](#)- intended for farm business owners and managers who would like to explore new sustainable production and marketing practices, often through an experiment, trial or on-farm demonstration. Reviewers look for innovation, potential for improved sustainability and results that will be useful to other farmers. Deadline: **November 27**.

[Food Animal Concern Trust Fund-a-Farmer Grant](#)- now accepting applications for our current round of grant making! Deadline: **November 28, 2018**.

[Parks & Trails New York \(PTNY\) Grants](#) are a capacity-building matching grants program funded through the NYS Environmental Protection Fund. Deadline: **November 30, 2018**.

[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**.

[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**.

[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**

[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**

[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 at 3 p.m.**

[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

[Farm to Hospital Project Catalyst](#)-Part-time position at Buffalo Niagara Medical Campus to act as change agent that speeds significant action to make Buffalo healthier. Deadline: **November 2**.

[4-H STEM After-school Educator](#)- assist in providing quality youth development opportunities by conducting out-of-school programming. Responsibilities include providing young people ages 8 to 14 with high quality Science, Technology, Engineering, and Mathematics (STEM) learning experiences through relevant hands-on activities. This position will utilize existing program resources to assist in the creation of program lessons plans, utilize a variety of delivery methods and assist in delivering innovative educational programs as assigned. This is a temporary position with expected end date of employment on or about September 30, 2019. Deadline: **November 5**.

[Aquatic Invasive Species Programs Manager](#)-WNY PRISM, will work to develop, establish and coordinate a regional Watercraft Inspection Boat Stewardship Program to include at least 20 Boat Stewards. The expectation is that development and coordination of the watercraft inspection program will be the primary focus of the Programs Manager during the early stages of development and implementation, with the majority of time spent during the first year or two dedicated to this program. In subsequent years, it is expected that time will be more evenly split between the watercraft inspection program and the development and implementation of additional AIS programming. Deadline: **November 26.**

[Education and Outreach Programs Manager](#)- will work to create and disseminate WNY PRISM education and outreach materials in consultation with the Aquatic and Terrestrial IS Managers. The Programs Manager will be responsible for all aspects of E&O for WNY PRISM including workshop presentations, tabling events, and online presence. Responsibilities will further include the hiring and supervision of a seasonal E&O Assistant. This position will also work to expand upon current programming and initiate creation of a Citizen Science invasive species monitoring program. Deadline: **November 26.**

[Nutrition Educator Position](#)-Cornell Cooperative Extension of Chautauqua County, located in Jamestown NY, has an opening for a full-time (40 hrs per week) EFNEP Nutrition Educator.

[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:

Thursday, November 1

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

WNY Drilling Defense Meeting-6 to 7:30pm at Niagara Branch Library on Porter Ave. Issues for discussion: Trainspotting results + DOT Petitions + Erie PA trainspotting.

Friday, November 2

Architecture Talk: 1:1 - 11 am - 12 pm at Hayes Hall, Room 220, UB South Campus. Public welcome. Michael Smith-Masis of Harvard GSD, presents "1:1", which seeks to underpin a humanistic social design agenda within community empowerment, environmental awareness, sustainability and hands-on experiences based on inclusive design processes developed in low-income environments in Costa Rica.

Saturday, November 3

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

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

Wildlife Ecology & Surveys-10:00am-12:30pm at Chaffee Preserve. A moderately challenging hike through mature forests with a focus on wildlife adaptations, behaviors and general ecology. Participants will also assist in an ongoing wildlife survey for the Preserve. Registration. E-mail programming@earthspiritedu.org or call (716) 941-6267 to register. FREE of charge. Sponsored by Waste Management of Chaffee.

Bring a Friend Birding - 10am to noon. Bring a friend to Beaver Meadow and introduce them to the world of birding! Naturalist Tom Kerr will go over the basics of binoculars, field guides, and everything else you need to know to get started. Binoculars are provided. Pre-registration is required. \$5. Program will take place indoors if weather is not cooperative. Please call 585-457-3228 to register.

Community Shredding Event-9am to noon at Elim Christian Fellowship, 70 Chalmers Ave., 14214. Household papers accepted for shredding. Clothing and bicycles accepted for recycling.

WNY Hosta Society-10am breakfast at the Forestview Restaurant, 4781 Tranist Rd., Depew. You must RSVP before 5 p.m. Friday, Nov. 2 so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or H8staman@aol.com. This 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.

Native American Heritage Gathering at Beaver Meadow – 1 to 3pm. Join naturalist Mark Carra and Native American Shaman Mike Bastine with special guest John Volpe for a chance to learn about the beliefs of the people that first called this place home. From the time of the birth of this land on a turtle's back to the unification of the original Five Nations into a strong confederation, to the way they respect their Earthly home. We'll hike and talk about the creatures they call their "Brothers and Sisters." Pre-registration is required. \$5. Please call 585-457-3228 to register.

Just Pawing Around-10am to noon at Niagara Falls State Park. Join a park naturalist and her furry four-legged companion as you set off to explore the history and beauty of this park. Dogs must be on a leash and under your control at all times while on the walk. *Call (716) 282-5154 to register for program.*

Horticultural II Classes: Advanced Propagation Techniques - 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.

Panel Discussion: Lois Gibbs and others- Lois Gibbs, Love Canal activist and founder of the Center for Health, Environment & Justice, will speak and join a panel discussion. 9AM Meet & Greet, 10AM Panel. Cornell Cooperative Extension, 4487 Lake Ave., Lockport. Free and open to the public.

Autumn Tree I.D. Hike-10am to 12:30pm at [Knox Farm State Park](#). A hike through the fall woods to learn some basic tips and tricks that will help you identify trees, even after they have lost their leaves! *Call (716) 549-1050 to register for program.*

Magnificent Moss-2 to 4pm at [Knox Farm State Park](#). Enjoy the crisp autumn air as we explore the mysterious yet magnificent world of moss! *Call (716) 549-1050 to register for program.*

Cranksgiving-12 to 5pm. Join us for our 7th annual Cranksgiving to benefit Buffalo Food Not Bombs! Cranksgiving is a food drive on two wheels. Part bike ride, part food drive, part scavenger hunt. Bring a bike (any bike will do), a bag, a lock, a helmet and about \$10-15 to buy food. All of the food collected at grocery stores will be donated to Buffalo Food Not Bombs. Riders will receive a manifest with a list of grocery stores around the city to visit and food items to purchase. Participants will bring their completed purchases to the GObike workshop. Families and teams (limit 4 people per team) along with individual riders are encouraged to enter. Being fast is not a requirement! Trophies/Prizes will be awarded and refreshments will be had at the after party at the GObike workshop (98 Colvin Ave) at 3 p.m. The after party is free for riders, but we ask that non-riders bring a donation of 4 vegan non-perishable food items or \$5. Registration will take place at Lafayette Square beginning at noon; the ride starts promptly at 1 p.m. *Please note that the ride does not begin and end at the same location.

Public Meeting for County Parks Master Plan- 10:00 AM – 12:00 PM at Ellicott Creek Park Friendship House, [Creekside Drive, Tonawanda, NY 14150](#). All welcome to come and provide input. The full plan can be reviewed [here](#), with online public comment on the Plan accepted through December 17, 2018.

Sunday, November 4

Out for a Sunday Stroll-10am to noon at [Artpark State Park](#). Join a park naturalist for a scenic hike through the Niagara Gorge. We will learn about the local geology, history and the unique ecology at Artpark State Park. *Call (716) 282-5154 to register for program.*

Monday, November 5

Community Meeting on West District-6:00 pm - 7:00 pm. at Isaías González-Soto Branch Library (Niagara Branch), 280 Porter Ave, Buffalo, NY 14201. The West District consists of: Columbus/Prospect/Perla Park | Days Park | Ferry Circle | Front Park | Porter Avenue | Richmond Ave | Symphony Circle. The community engagement process will culminate in a Five Year Plan report to be presented to the public at the Buffalo Olmsted Parks Conservancy's State of the Olmsted Parks address in May 2019. This second set of meetings will focus on a review of comprehensive comments and suggestions for park improvement projects acquired from this summer's meetings. A brief presentation and dialogue will provide detail on consistent project recommendations as well as highlight some emerging themes for improving the Olmsted Parks system-wide.

Bowmansville Garden Club Meeting- 7 p.m. in the Bowmansville Fire Hall, 36 Main St., Bowmansville. Bowmansville Garden Club member Kay Andres will teach the group how to make a floral arrangement. If you want to participate, take gloves, wire cutters and fall or holiday items to use to decorate your arrangement. If you want to attend this meeting and/or join the Bowmansville Garden Club, please contact Lynne Lowery at 716-290-9617 or llowery@sprintmail.com.

Tuesday, November 6

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/>

Master Gardener Meeting- 6:30 pm in Dard Hunter Hall in the Print Shop on the Roycroft Campus. (21 So. Grove Street; East Aurora NY 14052). There will be two presentations: Lucy Nuessle, the WNY PRISM Project Manager will be discussing a few early detection terrestrial plant species, iMap, and give an update on the Japanese stiltgrass found in East Aurora, and elsewhere, this season. FYI – Japanese stiltgrass is one of the early detection species. Sharon Bachman, the CCE Invasive Species Educator, will do a presentation on the new invasive Jumping Worm that we have all been hearing about. The meeting will be free and open to the public and will be an excellent opportunity to learn about what you should be watching out for and how to prevent the spread. Even though it's a free event **registration is required**. To register go to https://reg.cce.cornell.edu/CCEErieMGNovMeetingInvasives_214

Genesee County Master Gardeners Talk- 12:15 p.m. to 12:45 p.m. on the first Tuesday of the month at the Cooperative Extension office, 420 E. Main St., Batavia. The events are free. No registration is necessary. Take your lunch. Demonstration on how to make an outdoor greens display for the winter. Get ideas for creating a container that can take you past the holidays and look good all winter.

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. 9am to 3:30pm. Project Learning Tree. Receive a free activity guide. For educators of students in grades Pre-K-8. (6 CTLE hours provided)

iMapInvasives Trainers Network Webinar-5:30-7:30pm. Each training webinar will last approximately two hours with time for discussion throughout. The training will include a walk-through of the iMapInvasives website, observation database, certification process and steps for hosting your own training. Webinar registration is limited to create a more inclusive environment. More information can be found on the [Certified Trainers Network](#) webpage and in our [Newsletter](#). Advanced registration is required. If you are interested in participating and the dates below don't work for you, contact Brittney for alternative options. **[REGISTER HERE](#)**

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

Hike & Seek Series: Reading the Wild-2 - 3:30 p.m. at Tifft Nature Preserve. \$6 per participant* | All Ages Discover how to “read” the wilderness around you by searching for wildlife clues small and large in the woods, wetlands, and grasslands. [Register](#). *Advance registration required.*

Wednesday, November 7

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at Erie County DPW, Rath Building, 95 Franklin St., Buffalo. Abbreviated agenda to allow for the Policy Committee. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Lake Erie Work Group Public Meeting - 1:00pm - 4:00pm -- Reinstein Woods Nature Preserve, [93 Honorine Dr, Depew, NY 14043](#). All NYS Great Lakes stakeholders are invited to participate -- including environmental orgs, academic institutions, state and federal agencies, local government, individuals and other diverse stakeholder groups (business, health, recreation, planning, etc). Please let us know if you can make it: RSVP to greatlakes@dec.ny.gov at least one week in advance of the meeting you plan to attend.

UB Lecture Series: Meejin Yoon: Signal To Noise-6:00 PM 7:30 PM at University at Buffalo School of Architecture and Planning, 3435 Main Street Buffalo, NY, 14214. Architecture is a broadcast medium; a low definition form of communication, and a faint signal surrounded by an blizzard of noise. This condition of information overload, distraction and a superabundance of channels is the cultural backdrop of our lives. How can architecture communicate, create space and focus attention in the age of accelerated signals? In this talk, Meejin Yoon shares recent projects from memorials to submersibles to buildings that explore these questions. This event is free and open to the public.

Behind the Scenes Collection Tours-6 to 8pm. Geology Rocks! Science Museum program for adults 18+, \$25 PER PARTICIPANT. Come behind the scenes to marvel at our minerals and discover our large fossil collection. [Register](#)

Buffalo Working for Downtown Meetup- Community Beer Works for Working For Downtown's premier social event, Buffalo Meets. The event will run from 5 – 8 PM and is hosted by Working for Downtown. *We want to thank EnergyMark, LLC for sponsoring this event.* Community Beer Works, 520 7th Street, Buffalo, NY 14201. [Click here to reserve your space](#)

Community Meeting on the South District-6:30 pm - 7:30 pm at Tosh Collins Community Center, 35 Cazenovia Street, Buffalo, NY 14220. The South District consists of: Cazenovia Park | Heacock Place | McClellan Circle | McKinley Circle | McKinley Parkway | Red Jacket Parkway | South Park. The community engagement process will culminate in a Five Year Plan report to be presented to the public at the Buffalo Olmsted Parks Conservancy's State of the Olmsted Parks address in May 2019. A brief presentation and dialogue will provide detail on consistent project recommendations as well as highlight some emerging themes for improving the Olmsted Parks system-wide.

Thursday, November 8

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.

Hops 'N Rocks- 6 to 9 pm at Buffalo Riverworks for a festive evening organized by the Hamburg Natural History Society's Board of Directors in support of Penn Dixie Fossil Park & Nature Reserve. We'll have dinner, drinks, live music, auctions, and all sorts of fun prizes. Robin Evenhouse from Evenhouse Printing in Hamburg will be our special guest auctioneer. All ages welcome. Detailed info and tickets [available on our website](#).

Assessing Your Community's Economic & Climate Resiliency Webinar-10:30am to noon. In this webinar, we will discuss what financial and social factors local leaders should consider in addition to environmental pressures. We will also discuss what community resiliency is and how to plan for it, and some of the components of resiliency planning that your community may already be doing. Finally, the webinar will discuss some funding options to conduct resiliency planning, or to undertake projects that make your community, services, and facilities more resilient. To join the webinar on November 8th, follow these steps: click [here](#) (The recommended browsers are Google Chrome and Microsoft Internet Explorer.) Enter your name and email address. Enter the meeting password: NYSDEC1.

Home Energy Action Workshop-6:30 pm - 8:30 pm at Reinstein Woods Nature Center, Depew NY. Jason Kulezewski, Clean Energy Coordinator for the UB Regional Institute, and Lou DeJesus of PUSH Green will provide an overview of solar energy options available to homeowners. The workshop will explain how solar energy works and what community and residential solar programs and incentives are available in Western New York. Participants will also explore home energy efficiency programs and discover practical tips for saving money by conserving energy at home. Win a home energy efficiency kit provided by PUSH Green! Light refreshments provided. **Registration required, call Reinstein Woods at (716) 683-5959.**

WNY Herp Society Meeting: Herps of Costa Rica-6:45 to 8:30pm. Twan Leenders, director of Roger Troy Peterson Institute of Natural History will present on the Herps of Costa Rica. [WNY Herp Society \(Reptile Club\)](#)

Lead Safe Rehab Workshop-Preservation Buffalo Niagara Workshop at 6 pm at the Market Arcade. If your historic house was built before 1978, there's a good chance you've got some lead paint. Christiana Limniatis, PBN's Director of Preservation Services and an EPA Certified Lead Renovator, will provide homeowners tips on how to minimize exposure to lead when rehabbing, repairing, or painting your home. [Register for this workshop today!](#)

Building Blocks Breakfast for PUSH-The 8th annual Building Blocks Breakfast is PUSH Buffalo's only annual fundraiser, which will take place from 8 to 9AM at [Temple Beth Zion \(805 Delaware Ave. Buffalo, NY 14209\)](#). This event is *free*! But we do ask that you RSVP to Emily at breakfast@pushbuffalo.org.

Orchard Park Garden Club Meeting- 11:30 a.m. at the Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 11:30, with refreshments at noon and the program at 12:30 p.m. Take garden-related items for an auction to be held during the meeting.

Starting a Food Business- 5:30 to 8:30pm. [Cornell Cooperative Extension of Niagara County](#) is holding a series of free business workshops to provide support for farmers with value-added products as well as aspiring food entrepreneurs. All workshops will be held at the 4-H Training Center at 4487 Lake Ave., Lockport. Workshops are free. The workshops are being offered through the WNY Food Incubator, a developing Cooperative Extension program that will provide a shared-use commercial kitchen and business support services to both new and established specialty food businesses. The WNY Food Incubator's commercial kitchen, located on the Cooperative Extension campus at 4487 Lake Ave., Lockport, is currently undergoing renovations and is expected to be finished in December. The fully-equipped commercial kitchen will give members access to state-of-the-art equipment such as a food dehydrator, a commercial tabletop stand mixer, vacuum packaging equipment, a six-burner gas stove, jar label applicator and a double stack convection oven. This workshop will help you get your recipe market-ready. Guest speakers from the Cornell Food Venture Center and WNY Food Incubator staff will review the labeling and permits necessary to sell your food product. [Register here.](#)

Taste of Technology Fundraiser-5:30 to 9:30pm. Admiral Ballroom at the Marin, 237 Main St. Buffalo. \$40/person, proceeds to Missionignite.org which brings technology to students in underserved communities. Tickets and details at <https://www.missionignite.org/taste-of-technology-2018/>

Friday, November 9

Buffalo Astronomical Association Meeting-7:30pm at Buffalo State College, Classroom Bldg. C122, 1300 Elmwood Ave., Buffalo. Free. [Info and speaker.](#)

Science After Hours: Adult DinoFEST-6 - 9 p.m. | \$16 per participant at Buffalo Museum of Science. Kids aren't the only ones having all the dino fun this year! Pose in the jaws of a massive Megalodon, mine for a real geode in the sluice sifting station, snap some photos with life-like dino friends from Ravage Production, and chat with Buffalo State College's Garman Art Conservation Department about the Museum's Elephant Bird Egg! Plus, don't forget to dress up like your favorite paleontologist (Dr. Ian Malcolm, anyone?), carnivore or herbivore! Buy your tickets today. [Register](#)

WNY Peace Center Annual Dinner-at the Buffalo Niagara Convention Center, 153 Franklin St., Buffalo, NY 14202. The doors open at 5pm with a social hour, vendors, raffles and auctions. The dinner and program will begin at 6pm. Kathy Kelly will speak on Uniting Our Struggles and Ending Our Wars, and is a highly regarded peace activist and author. For more information, visit wnypeace.org, call us at 716-332-3904, or email us at annualdinnerorders@wnypeace.org. Dinner tickets are \$30, optional 7pm speaker only would be \$20.

Passive Home Tour -Are you considering building or renovating a home? Passive House is an extremely energy-efficient design. Come tour an award-winning home that features high performance windows, whole house ventilation, super insulation, air tight thermal bridge free construction, indoor air quality monitoring and superb comfort with a super low energy usage. 340 Quaker Meeting House Rd., Honeoye Falls 14472. The house will be open for viewing on **Friday November 9th, 2018 from 12pm - 5pm and Saturday November 10th, 2018 from 9am - 4pm.** For more info, visit <https://rochesterpassivehouse.blogspot.com/>.

Saturday, November 10

Natural Products Workshop-10am. Learn how to make natural cleaning and beauty products, which make great holiday gifts. Make a natural cleaner or lip balm to take home. Materials fee: \$7/\$5 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Nature's Gathering-5 to 8pm. Sample fine regional wines and enjoy hors d'oeuvres, as you help support the Friends of Reinstein Woods. Western New York artisans will be showcasing their nature-themed artwork and specialty items, all available for purchase. Please note: This event will take place at Buffalo Iron Works, 49 Illinois St, Buffalo, NY 14203. Call 716-683-5959 for more information, or purchase tickets online at www.reinsteinwoods.org

DinoFEST-10 a.m. - 6 p.m. | \$15 for adults, \$10 children, \$11 for military, students and seniors 62+, and FREE for BMS Members. Get ready to stomp and roar, because our annual day of family-friendly dinosaur fun is back with DinoFEST, presented by Fidelis Care! Channel your inner paleontologist, dive into a giant dino dig pit, learn about dino diets, and visit with Vinny and Teddy, two life-like dinosaur friends from Ravage Production. Want to skip the line? Purchase your tickets for DinoFEST online today at sciencebuff.org!

Gorge at Low Water- 10am to 3:30pm at [Whirlpool State Park](#). Enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. We'll go beyond the Whirlpool to the site of the Great Gorge Route station and beyond. *Call (716) 282-5154 to register.*

Learn How to Help Wildlife!-12 to 4pm for first day of two-day training. Hawk Creek Wildlife Center's Fall Wildlife Rehabilitation Course is an intensive eight hour learning experience being offered to the public Saturday and Sunday, November 10 and 11, 2018. This special course is taught by licensed wildlife rehabilitators sharing over 30 years of real-life experience, up-to-date technical information, incredible stories, and invaluable wisdom. The course is open to adults, age sixteen or older, who are preparing to take the NYSDEC wildlife rehabilitation exam or are just interested in expanding their knowledge. Pre-registration is required. The eight hour course is \$100 per person. Course is held at our new facility at 1963 Mill Road, West Falls, NY 14170. To register, please click [HERE](#) or contact Hawk Creek at (716) 652-8646.

Learn about Fall Bird Migration-9 to 11am at Artpark in Lewiston, NY. Physical intensity: Moderate, be prepared to traverse up and down stairs! Events are FREE! Registration Required at [register](#).

Hooray for the Hibernators!-10:30am to 12:30pm. Pfeiffer Nature Center site- www.pfeiffernaturecenter.org Fall is here and many of our woodland friends are checking their calendars to find that their time of rest is soon upon them. As we know, hibernation is a way for some animals to make it through the cold months of winter by conserving energy when food is scarce. Some of these animals put on lots of weight in the fall so they can live off of their fat reserves through the winter while others store food and wake up for a winter's snack. Join us to learn more about the who's, when's and how's of hibernation at the Portville library and then head up to the Lillibridge property with nature guide, Tim Baird, who will lead us on a hibernator habitat hike. Part of this program will be held outdoors, so please dress appropriately. This event will begin at The Portville Free Library, 1 North Main Street, Portville, New York 14770 and conclude at Pfeiffer Nature Center, Lillibridge Preserve, [1974 Lillibridge Road, Portville, NY 14770](#). Fee: Free for members, \$5 for non-members. Free for children 13 and under. Minors must be accompanied by an adult. Please register by 4 pm, Thursday, November 8th 2018. Sign up on the Programs Calendar on our website at [Register here](#)

Passive Home Tour -Are you considering building or renovating a home? Passive House is an extremely energy-efficient design. Come tour an award-winning home that features high performance windows, whole house ventilation, super insulation, air tight thermal bridge free construction, indoor air quality monitoring and superb comfort with a super low energy usage. 340 Quaker Meeting House Rd., Honeoye Falls 14472. The house will be open for viewing **from 9am - 4pm**. Info, visit <https://rochesterpassivehouse.blogspot.com/>.

Sunday, November 11

Fall Family Hikes- 9:00 am - 11:30 am, Wilson Tuscarora 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.

Basic Bicycle Maintenance-Go Bike Buffalo Class from 6-7:30pm. 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.

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

Monday, November 12

Veterans' Day-take a moment to reflect on the sacrifices of our veterans.

Tuesday, November 13

Autumn Painting: Adult Workshop- Buffalo Science Museum event for adults only. 7 to 8:30pm. Sign-up for a special evening of ADULT-ONLY fun, food and science! Meet local nature-enthusiasts, share your interest and learn something new! Refreshments provided. \$12. Learn to paint the autumn woods with acrylic on 8"x10" inch canvas board. All materials provided. *Advance registration required by November 12.* [register](#)

ADK Meeting- starting at 6:30pm Fellowship Hall, Amherst Community Church | 77 Washington Hwy., Snyder. Please park in rear, enter through back door & walk up to 2nd floor. Education workshop on Winter Hiking followed by Joseph C. Allen as our November speaker! Joe has led numerous wildlife excursions throughout the country for decades. Through his many trips to Yellowstone National park to study and photograph the wolves he has gathered fascinating information that he'll be sharing during his presentation.

Kenmore Garden Club Meeting-10am at Kenmore United Methodist Church, 32 Landers Rd., Kenmore. The topic will be "Arranging for the Holidays." Carole Melnik, owner of A Snail's Place Flower Shop in Elma, will create 10 easy floral and fruit designs for the holidays.

Evans Garden Club Meeting- 7 p.m. in the Angola Public Library, 34 N. Main St., Angola. Participants will decorate live wreaths from the R & J Christmas Tree Farm. Enter at the back door of the library. You may use the parking lot.

"Gone but Not Forgotten: Persistence of Russian Olive Impacts in the Great Plains"-Niagara Frontier Botanical Society meeting at 7:30 PM, Harlem Road Community Center, Snyder. Speaker Graham Tuttle is Conservation Project Manager for the Western New York Land Conservancy and is currently involved with their restoration project in the Niagara Gorge. He has worked for conservation groups and federal agencies in the western U.S. and taught conservation biology at Rhodes College in Memphis. All are welcome.

Wednesday, November 14

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

Hamburg Garden Club Meeting-Noon at the Hamburg Community Center, 107 Prospect Ave., Hamburg. Dave McQuay from the office of Parks and Recreation of Erie County will present a slide show on the “Ice Volcanoes on Lake Erie Beaches.” These rare natural spectacles occur over the cold winter months. Guests are welcome.

Pushing Back: Antimicrobial Resistance- 7 - 9 p.m. | FREE with Museum Admission. A special evening focused on antimicrobial resistance from public health and microbiome research perspectives. All ages. FREE with Museum admission. *This event is part of a local effort led by the University at Buffalo in the CDC's Be Antibiotics Aware initiative.*

"Indigenous Planning"-6 to 7:30pm at UB South, Hayes Hall, Room 403. Professor Theodore S. Jojola, of the University of New Mexico School of Architecture and Planning, shares a planning approach that uses cultural identity to inform community development. The process for meaningful community engagement uses a 7 Generations model. He will present examples from the work of the Indigenous Design and Planning Institute (iD+Pi), University of New Mexico.

Growing and Using Herbs-6 to 7pm at the CCE-Niagara's administration building, 4487 Lake Ave., Lockport. Learn how to grow and utilize fresh herbs from garden to kitchen. Soil, site and growing requirements will be covered as well as tips for harvesting and using herbs. Classes cost \$15 each, or \$95 for all seven gardening classes. Registration is limited to 20 participants. You can register online or in person at the CCE-Niagara's administration building. For questions, call Horticulturist John Farfaglia at 433-8839 ext. 226.

Lancaster Garden Club Meeting- 7 p.m. at St. John's Lutheran Church Hall, 55 Pleasant Ave., Lancaster. “Hosta Love Story,” a presentation of fun and information on hostas, will be given by local authors Mike & Kathy Shadrack.

WNY Rose Society Meeting-7 to 9pm at St. Stephens-Bethlehem United Church of Christ, 750 Wehrle Drive, Buffalo. The meeting will feature a presentation on historical gardening by Pati Aine from the Master Gardeners Program. Guests are welcome to attend monthly meetings. Information about the Rose Society and membership dues is [available online](#).

Uganda Travelogue by Marcie Jacklin-Buffalo Ornithological Society meeting and talk at Buffalo Museum Science 7pm. Gorillas, Shoebills, and Chimps, oh my! Marcie Jacklin will present Uganda Travelogue from her birding trip to Uganda.

Thursday, November 15

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. Registration required, call 716-683-5959. Reinstein Woods Nature Center. 4 to 7pm. Theme: Climate Change and the Great Lakes. For educators of students in grades 6-12. (3 CTLE hours provided)

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 Meeting for County Parks Master Plan- 6 to 8 PM at Como Lake Park Casino, [2220 Como Park Blvd, Lancaster, NY 14086](#). All welcome to come and provide input. The full plan can be reviewed [here](#), with online public comment on the Plan accepted through December 17, 2018.

Nature's Art Box: Autumn Grapevine Wreaths – 3 to 5pm. Using nature's bounty, participants will weave a simple grapevine wreath and decorate it with items found in nature and other embellishments. This activity is sure to brighten up your front door or wall. Pre-registration required. All materials provided. \$7. Ages 8+. Please call 585-457-3228 to register.

Buffalo Niagara Teen Science Café- Health, Genetics, and DNA Café, 6 to 7:30 pm at the Central Library. Teen Science Cafes are for all curious teens, diverse in life experiences and motivations for learning about science. Join University at Buffalo Graduate Assistant Researcher **Natalie Lamb** and Buffalo Niagara Teen Science Cafe for a discussion on health and genetics over food and learn how to isolate DNA, life's instruction book. For more info visit: <https://penndixie.org/teen-science-cafe/>

Habitat Restoration Public Meeting-6 to 8pm at William Kaegebein Elementary School, 1690 Love Rd., Grand Island. The meeting will outline projects aimed at habitat restoration of the Niagara River. The \$11 million US EPA funded cleanup will ensure strong shorelines and fish and wildlife habitat. All are welcome to attend.

Community Plastic Bag Recycling Event-Celebrate America Recycles Day by bringing your shopping bags to Dash's Market, 1770 Hertel Ave., Buffalo from 3-7pm. Receive a new eco-friendly bag or make your own. For info, visit www.buffalorecycles.org

The New Normal – Preparing for climate change impacts on supply chain management- 9:00 am - 11:00 am at the Buffalo Zoo. Business supply chains involve a web of third parties, including product distributors, service providers, manufacturers, contractors, and logistics firms that store and move materials. All of them are dependent on their own infrastructure, transportation and supply networks. When climate change or extreme weather impacts a part of your supply chain, the domino effect can ultimately impact your ability to provide products and services to your customers. So what are the risks today and in the future? How can your business prepare for sudden environmental shocks and slow on-set disasters? How do you know if your suppliers are prepared? How can you detect supplier issues? The panel of experts will include both researchers and local businesses working to understand the risks and adapt to the new normal of supply chain management. Register at [event](#).

Friday, November 16

RENEW Distinguished Lecture: The Need for Water Protectors- 2:30pm-4:45pm at the Center for the Arts Screening Room, UB North. Winona Duke, a rural development economist and author working on indigenous issues, will be the speaker. Please RSVP by November 15 (free) at <http://www.buffalo.edu/renew/rsvp.html>

Saturday, November 17

In the Rut-10:30am. During this month, whitetail bucks are on the hunt for does. Join us for a walk as we search for bucks in the preserve. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

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

Horticultural II Classes: Getting Started with Hydroponics - 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.

Tonawanda Turkeys – 10am to noon. Join Naturalist Tom Kerr for a walk through Tonawanda's Elmlawn Cemetery in search of their resident Wild Turkey Flock. We'll learn all about this iconic American bird and other wildlife that are doing their best to adapt to life in suburbia. Binoculars are available. Pre-registration is required. Meet at Brighton Rd. entrance. Donations gratefully accepted. Please call 585-457-3228 to register.

Buffalo Audubon in Algonquin – 2 to 3pm. Algonquin Provincial Park is home to diverse and unique wildlife, including wolves, moose, Canada Jays, and Spruce Grouse. Join Naturalist Tom Kerr at Beaver Meadow for a recap of last winter's trip to Algonquin Provincial Park, and hear about the upcoming trip in January 2019. Pre-registration is required. Please call 585-457-3228 to register.

Winter Wildlife Adaptations-10:00am-12:30am at Buffalo Ski Club - Tamarack Lodge. Includes an introduction with a collection of wildlife pelts and skulls focused upon seasonal adaptations followed by a field and forest hike in search of animal sightings and signs. <https://earthspiritedu.org/event-calendar/>

Gorge at Low Water- 10am to 3:30pm at Whirlpool State Park. Enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. We'll go beyond the Whirlpool to the site of the Great Gorge Route station and beyond. *Call (716) 282-5154 to register.*

Sunday, November 18

Wheel Maintenance-Go Bike Buffalo Class from 6-7:30pm. This class will give you the knowledge you need to keep your ride rolling. Students will learn about proper frame, brake, and drive train maintenance as well as how to asses and describe common problems. 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. Guest Speaker is Walter Simpson. Walter is co-founder of the Animal Advocates of WNY and an energy and climate expert. He will explain the Intergovernmental Panel on Climate Change's 2018 report and our best options to avoid catastrophic climate disruption for people and animals too. Please don't bring jello or marshmallows since they contain gelatin, which is a meat product.

Annual Vegan Thanksgiving Potluck Dinner-5:30pm at Unitarian Universalist Church of Amherst, 6320 Main Street, Williamsville. The dinner is a fun(d)-raiser for the Animal Advocates of WNY. Suggested donation \$10 adults; \$5 students and seniors, \$2 children 10 and younger - Plus bring a VEGAN dish to pass.

RESERVATIONS ARE REQUIRED - Please call Nan and Walter Simpson, 839-0062. Each person's food offering should be large enough to provide servings for at least 6 to 8 people. Please bring cold dishes cold and hot dishes hot, and serving utensils if possible. If you'd like, please bring your recipes to share. Our dinner will again be vegan which means no dairy or eggs in addition to no flesh foods (meat, fish or fowl). A vegan dinner means all food will be cruelty-free and everyone can eat everything! If you need help with recipe ideas or substitutions, call Nan Simpson at the number above. It's easy to use soy margarine and soy milk in recipes, traditional Thanksgiving side dishes, pasta and rice dishes, or vegan desserts. In the spirit of Thanksgiving sharing, you are welcome to bring a non-perishable (dry or canned – no glass please) food donation for people or pets for the Amherst Little Free Pantry hosted by the UU Church of Amherst.

Tuesday, November 20

Toddler Time: Thankful for Nature – 10 to 11:15am. November is a month that we often reflect and show thanks. Let's get together at Beaver Meadow and be thankful for nature! We'll read a story, make a thankful banner to hang at home with materials from nature, eat a yummy snack, and take a short walk if the weather permits. Pre-registration is required. \$3. Ages 2-4. Please call 585-457-3228 to register.

Wednesday, November 21

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.

Buffalo Bonsai Society Meeting- 7 p.m. at the Buffalo and Erie County Botanical Gardens administration building, 2655 South Park Ave., Buffalo. The topic of the meeting will feature soil, water, fertilizer and wintering by club members. Guests are welcome to attend the meetings for free. Annual memberships with the Bonsai Society are \$25 for an individual and \$30 for a family. More information is available [online](#).

Thursday, November 22

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.

Gobble Walk-9am to 11am at Evangola State Park. Flare your tail and strut on out, we'll travel in a flock and waddle Turkey Talk! So, spur the poult from the roost, Tom Turkey's on the loose! *Call (716) 549-1050 to register for program.*

Gobble Walk-Noon to 2pm at Knox Farm State Park. Flare your tail and strut on out, we'll travel in a flock and waddle Turkey Talk! So, spur the poults from the roost, Tom Turkey's on the loose! *Call (716) 549-1050 to register for program.*

Friday, November 23

Opt-Outside Hike-10:00am to 12:00pm at Swallow Hollow Trail, Iroquois National Wildlife Refuge. Register at 585-948-5445. http://www.friendsofiroquoisnwr.org/documents/2018_IO_Fall-Winter.pdf

Black Friday Bird Hike at Buckhorn Island State Park – 10am to 1pm. Join Naturalist Tom Kerr and walk off that Thanksgiving dinner at Buckhorn Island State Park. Instead of searching for Black Friday Deals, celebrate Buy Nothing Day by looking for migrating waterfowl and gulls that are flying through the Niagara River Corridor. Binoculars are available. Meet at the Woods Creek Canoe Launch parking lot on East-West Park Road. Pre-registration is required. Donations gratefully accepted. Please call 585-457-3228 to register.

The Hidden Life of Trees-2 to 4pm at Knox Farm State Park. From mycorrhizal fungi to towering trees, we will explore how the forest creates a vast underground network called the "wood wide web" in an attempt to answer the question, can trees really talk? *Call (716) 549-1050 to register for program.*

Moonlight Meander-5:30 to 7:30pm at Knox Farm State Park. Embark on a nighttime journey through Knox Farm and experience the park in the glow of a full moon. *Call (716) 549-1050 to register for program.*

Full Moon Adventure Series: Beaver Moon-6 to 7:30pm at Beaver Island 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.*

Saturday, November 24

Outdoor Skills-10am. In this program, you will build an emergency shelter from natural materials and practice navigation and fire building techniques. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Niagara River Gulls – 10am to noon. Start your weekend with the birds! Join Naturalist Tom Kerr at the NYPA Fishing Platform below the Robert Moses Dam. Every fall, thousands of Bonaparte's Gulls congregate in the Niagara River. Watch them catch fish (or steal another Gull's fish) up close before they head further south. Binoculars are available. Pre-registration is required. Meet at parking lot off Hyde Park Boulevard. Donations gratefully accepted. Please call 585-457-3228 to register.

Tuesday, November 27

Sierra Club Meeting- 7 to 9pm in Room 35, Duns Scotus Hall, Daemen College, 4380 Main St., Amherst, 14226. All welcome. Check meeting details at <https://niagarasierraclub.com/>

Wednesday, November 28

pH Drinks-[register](#), 6:30 - 7:30 p.m. Adults only at Buffalo Museum of Science. Up your holiday mocktail game with color-changing mix-ins! Unleash beautiful blues and vibrant pinks with all-natural herbal help. How many colors can you coax out of your blends? *No alcohol will be consumed. \$15.*

Wednesday Woods Walk-10am to noon. Evangola State Park. Head out to the woods for a scenic walk through Evangola to enjoy the changing season and the final days of November. *Call (716) 549-1050 to register for program.*

2 the Outdoors Forum: Generations of Stewardship-7:30pm - 09:00pm at Tift Nature Preserve. "Generations Of Stewardship" Where We've Been, Where We Are, And How We Can Plan For The Future. Speakers include: Jill Jedlicka, Buffalo Niagara Waterkeepers, Gerry Rising, Author/Environmentalist, Steve Gordon, Seneca Nation. Join us for a special evening indoors with guest speakers coordinated by WGRZ's "2 the Outdoors." No registration required. This is a FREE event. Doors open at 7 p.m. For more information, contact Terry Belke at terry.belke@wgrz.com

Thursday, November 29
Happy Thanksgiving!

Saturday, December 1

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.

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.

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.

Tips for the Environment:

- 1. Start a "Scrap" Bag-** Toss unwanted vegetable pieces such as mushroom stems, onion skins and carrot peels into a large freezer bag. When it's filled, add scraps to a pot with water, simmer for about 30 minutes, and you'll have fresh vegetable stock.
- 2. Recycle pens, wine corks, baby food pouches, e-cigarettes and more-** Terracycle makes it easy to collect and recycle products that no one else seems to want. Their mail-in system is easy. Check out the process and items that you can collect at <https://www.terracycle.com/en-US>

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

By Lesley Haynes

I love this time of year with the beauty of the red, orange and yellow foliage of autumn; however, I also have a feeling of sadness as we prepare for the colder climate ahead. By November 1st the local outdoor farmer's markets close down, and I miss my weekly visits to buy their products.

In the United States, foods travel an average of 1,300 miles from the field to the table, using a large amount of fuel during their transport. Purchasing locally cuts down on the distance food travels, thus reducing the consumption of oil and carbon emissions nationwide. The benefits of buying organic are obvious (no pesticides or herbicides). When consciously buying locally, you ensure that more of your money spent on food goes to the farmer. Buying local also keeps your dollars circulating in your own community. Farmers Markets have experienced a growth over the years and are continuing to increase. I recently read that the organic food industry has risen from sales of \$1 billion in 2001, to \$24 billion in 2018.

Why not take the time to set new, environmentally friendly, traditions as we celebrate Thanksgiving this month? Check with the farms in your area for your traditional turkey. Ask if any hormones or antibiotics have been pumped in the bird. Also, ask if it's range free, which means the turkey is allowed to go outdoors and see the light of day. If the farm passes all these tests, then order a fresh turkey to be picked up, usually the day before Thanksgiving. If this is not an option, try finding an all-natural turkey at a local market. The Lexington Co-op on Elmwood Ave in Buffalo usually stocks such turkeys. Remember to place your turkey order well ahead of time to ensure you have one to cook.

To liven up your Thanksgiving dinner, add a few decorative touches on the table. Purchase a tablecloth of a seasonal color, which you can wash and reuse for years to come. Use cloth napkins, silverware and glasses - all of which can be washed, thus reducing waste in landfills.

Fresh local vegetables are always the best so look for seasonal veggies such as butternut squash, peas, green onions, potatoes and sweet potatoes. If you are too overwhelmed to bake, go to an organic bakery and order fresh pies.

Remember that going green on Thanksgiving doesn't have to be complicated. Stick to the dinner basics and get the children to help decorate. From cooking an organic menu to making your own decorations, Thanksgiving is an opportunity to get the whole family involved in a green lifestyle. An organic Thanksgiving feast is not only healthy and tasty, but can also help the environment. Free-range turkey, fresh vegetables from local farmers, and treats from the organic bakery are just a few choices for your healthy cornucopia of food this year.

Make a commitment to recycle. Make sure you are properly recycling all the paper and plastic used at your Thanksgiving festivities. Decorating your living and dining space with soy candles is an eco-friendly option, and you'll find plenty of fragrant pillar or floating candles to complement your table.

Teach your children to carry the work of conservation forward; the next generation must absorb its lessons. Encourage them to read on the subject, and persuade their teachers to include ecological studies in their curricula. Above all, show them by example how to reuse, recycle, avoid waste, and care.

Happy Thanksgiving!

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 of more than 120 serve 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, please 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://www.buffalobarnraisers.com/>

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

Additional local blogs and websites-

Buffalo Barn Raisers- <http://www.buffalobarnraisers.com/>

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.motheearthnews.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.huntnyoutdoors.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, Sunnking dropoffs
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>, <http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz>
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.
Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations
Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>

Hazardous Household materials- <http://www.hazmanusa.com/>
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pharmaceuticals-dropoff sites at [map](#)
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448
Recycling A to Z - realsimple
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- <http://www.world.org/weo/recycle>
Water filters-Brita partners with preserveproducts.com/recycling
Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

Eco-volunteering with Travel:

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

Education Courses or Certificates:

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

Miscellaneous:

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>
Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>
Change Food Library <http://www.changefood.org/changefoodlibrary/>
USDA Tool Kit for Local Food [toolkit](#)

Videos/Websites

[Better Than Ed](#)-Video series with Actor Ed Begley encouraging environmentally-friendly practices.
[EJSCREEN](#) is an environmental justice mapping and screening tool.
[Local Foods, Local Places Toolkit](#) to help communities develop their own plans for setting and achieving local food and revitalization goals.
[Archived EPA Climate Change Info.](#)
www.epa.gov/climate-indicators.
[Guide to help schools reduce food waste](#)
[Tool for Sourcing Local Meat](#)
[Click here to watch the Know Your Food videos.](#)
[iMATTER Youth Movement to Spark Change](#)
[Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#)
[EWG's Guide to Healthy Cleaning.](#)

[EWG's Tap Water Database.](#)

<http://www.nebeginningfarmers.org/online-courses/> -beginning farmer online training through Cornell.

[2018 Fuel Economy Guide](#)

[Climate Hubs](#) provides information for managing risks posed by a changing climate.

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

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://alleganynaturepilgrimage.com/
Alliance for the Great Lakes	www.greatlakes.org
American Planning Association-WNY Section/Upstate	www.wnyapa.com
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	http://www.animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloaudubon.org
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/

Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmentoschool.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.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.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/niagarafontierbotanicalsociety.org/niagarasociety/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-Buffero-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatommorrow.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://wnysc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideminstries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/