

# Enviro-News

December, 2024

Sponsored by Daemen University's Global & Local Sustainability Department

## Newsletter Contents:

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## Articles:

### Green Drinks

Join others for networking and fun at Green Drinks on **Thursday, December 12th** at 5:30pm at Froth (700 Military Rd, Buffalo, NY 14216). The event is also listed on [Facebook](#) and on the [Green Drinks webpage](#).

### WNY's 5th Annual MLK Day of Service: Host Volunteers at Your Organization

For WNY's 5th Annual MLK Day of Service, hosted by Monarch of Infinite Possibilities, on **January 20, 2025**, we invite East Side community and religious organizations to host up to 25 volunteers for winter-friendly projects. This is a great way to receive support while honoring Dr. King's legacy of service. East Side Stewards, a cooperative and community organization dedicated to fostering sustainable and equitable development on Buffalo's East Side, is proud to join as a community partner and honored to volunteer to support this impactful event. Projects can include indoor clean-ups, painting, simple builds, snow shoveling, donation organizing, program support, and more. Interested? [Register](#) your site by **December 4th, 2024**, at 6PM

### Great Lakes Action Agenda Sub-Basin Work Group Meetings

The New York State Department of Environmental Conservation's Great Lakes Program has rescheduled their Great Lake Sub-Basin Work Group meetings. For SW Lake Ontario, the meeting is **Tuesday, December 3**, 1:00 p.m. to 4:00 p.m. in Room 213 in the Chili Community Center 3237 Chili Avenue, Rochester, NY 14624 [Click to Register](#) (in-person and virtually). For Lake Erie, the meeting is **Wednesday, December 4**, 1:00 p.m. to 4:30 p.m. at the Northern Chautauqua Conservation Club 1 N Mullet St, Dunkirk, NY 14048 [Click to Register](#) (in-person and virtually)

### Waste Collections

Erie County residents have the option of using the County's "Voucher Drop-off program" which enables residents to bring up to 50lbs. eligible hazardous waste to the Hazman facility in Tonawanda at no cost. Preregistration for this service is required. For more info go to [erie.gov/recycling](http://erie.gov/recycling) or Hazman directly at 998-8073 or call 716-858-6800. For more info or to ask questions please email us at [recycle@erie.gov](mailto:recycle@erie.gov) or call our HHW Hotline at (716) 858-6800. For info on special City of Buffalo events, check [www.buffalorecycles.org](http://www.buffalorecycles.org). Christmas tree drop-offs will be scheduled later in December and early January.

### Volunteer Orientation for Colored Girls Bike Too

Colored Girls Bike Too (CGBT) will be hosting a Volunteer Orientation on **January 4th, 2025**. This is an opportunity for passionate individuals to engage with their mission focused on advancing racial, healing, and mobility justice through the transformative power of the bike. You can [learn more and apply to be a volunteer here](#).

## **Erosion, Sediment Control and Stormwater Training**

Under the NYS Department of Environmental Conservation's Stormwater Permit GP-0-20001, all construction site contractors and subcontractors must have at least one trained individual on their sites on a daily basis that is responsible for implementation of Erosion Controls and Stormwater Management. Training to meet this requirement will be offered **January 8<sup>th</sup>** from 9am to 1pm in Lockport, NY. Individuals must complete this 4-hour training every three years to remain certified. This training is open to anyone including municipal officials, developers, contractors, non-profit organizations, and others. Training Location: Niagara County 4-H Training Center 4487 Lake Ave Lockport, NY 14094. Cost: \$100 per person which includes training material and breaks. [Registration info.](#)

## **Centennial Challenge**

2024 is a special year for all of us here at New York State Parks as it marks our 100-year anniversary of the creation of the state park system. We encourage you to get out and celebrate with us by completing the Centennial Challenge! The goal is to complete 24 out of 100 challenges to earn a commemorative Centennial prize as well as an entry into a random drawing for 1 of 24 three-year Empire Passes and a Centennial swag bag! For more information on the Centennial Challenge, click [here](#). Challenge submissions will be accepted until **January 10, 2025**.

## **Western Science Teachers Association of NY Mini-Conference**

The annual mini-conference for Western Division for Science Teachers Association of New York State (STANYS) will be held **January 15<sup>th</sup>** from 3:30-7pm at Buffalo State University Science & Math Complex. Free admission for STANYS members, pre-service teachers, or non-members who join at registration; \$30 for non-members. Vendors, a light dinner and local organizations. Register at [westernstanys.com](http://westernstanys.com)

## **Explore Buffalo Docent Training**

Public Tour Docent Training for Explore Buffalo will begin **February 1st**, taking place on 10 class dates – seven Saturdays in-person downtown, and three Thursday evenings on Zoom – concluding on April 5th. New docents in this class will learn one of Explore Buffalo's downtown walking tours to lead during the 2025 tour season. [Learn more about Public Tour Docent Training](#)

## **Greater Niagara Fishing Expo**

The Greater Niagara Fishing Expo is designed by anglers for anglers with the simple goal of promoting and teaching fishing. This annual event attracts thousands of anglers to the Niagara Falls Convention Center (NFCC) in Niagara Falls, NY. The Expo runs **Thursday, February 13 through Sunday, February 16, 2025**. With hundreds of hours of fishing education available for attendees to choose from and over 170 booths of fishing-related exhibitors, the Greater Niagara Fishing Expo is the largest fishing show in New York State and among the largest in the Great Lakes. The Expo welcomes anglers of all ages and experience levels to attend. [Tickets and info.](#)

## **2025 Rain Barrel Painting Contest**

The Erie County Department of Environment & Planning (DEP) is pleased to announce the 2025 Rain Barrel Painting Contest for schools and student-based groups in Erie and Niagara Counties in honor of Earth Day 2025! All are encouraged to enter as a team either through a class or an after-school program (ex. Scouts, 4H, etc.). The team will design and paint a plastic rain barrel (provided by DEP) for a theme focused on stormwater pollution prevention and/or re-using rainwater. Rain barrels must reflect the theme to be considered for an award. [Click here to learn more about stormwater pollution prevention.](#)

Please [register ASAP](#) to participate in the contest. There are limited spots and the contest fills up quickly. All participating schools will retain their final painted rain barrel to use, donate or raffle as desired.

## **Erie County Forest Management Plan Update Survey**

The Erie County Bureau of Forestry is seeking public and stakeholder input as they update the 2003 Erie County Forest Management Plan. [Click here to learn more and participate in the survey.](#)

### **Bring “Buffalo Niagara’s Climate Challenge” Game to Community Meetings**

This winter and spring, University at Buffalo Regional Institute will bring the community engagement game debuted at their recent climate action symposium to group settings across the region. The game helps to build understanding about actions we can take to reduce emissions and is a key means by which we'll incorporate feedback from the community into the [One Region for Climate Action Comprehensive Climate Action Plan](#). If you have a committee, community organization, classroom, or any other group you think would like to engage with this activity, [Sign Up Here](#)

### **Master Gardener Education Day**

The Cornell Cooperative Extension (CCE) of Erie County Master Gardener Program will host ‘Celebrating Gardening’, our 2025 Master Gardener Education Day on **Saturday, March 8, 2025**, from 8:30 am to 3:00 pm. The cost of the event includes lunch. The program will include two presentations by Kim Eierman: “Beyond Sustainability: Using Our Landscapes as a Source of Environmental Change” and “Creating A Succession Bloom in the Native Garden.” The second speaker is Margaret Lapp, Director and Curator of the South Park Arboretum at Buffalo Olmstead Parks Conservancy. She will speak on “Purposeful Plant Selection for Sustainable Gardening Solutions.” [Registration](#) ends March 5, 2025, but usually sells out. The event will be held at Classic V's Banquet Hall, 2425 Niagara Falls Blvd, Amherst, NY.

### **STAMP Updates and Indigenous Solidarity**

STAMP is the Science, Technology and Advanced Manufacturing Park, a development in Genesee County created to encourage businesses with green energy and smart solutions. From its initial plans, several companies have stepped away from building at the commercial site. The STAMP facility has been controversial due to its need for infrastructure and impact on sensitive wetlands and on the border of the federally recognized Tonawanda Seneca Nation. A recent analysis suggests that the project will require up to 6 million gallons of water per day. Currently, the entire county uses 6-8 million gallons per day without this facility. There is now interest in locating at STAMP by an energy-intensive data center.

### **Tardigrades & Silkworms: Nature's Secret to Smarter Seed Coatings**

Inspired by the silk produced by silkworms and by the tardigrades, also known as water bears - the microscopic animals that can survive the most extreme conditions - Ivu Biologics has developed a seed coating solution that extends the shelf-life of the microbe-embedded seed coatings, ultimately increasing crop yields, restoring soil health, reducing need for conventional fertilizers and pesticides while being biodegradable. Get inspired by the [video](#).

### **Resources for Municipalities or Investors for Composting**

The US Composting Council’s [Target Organics Resource Hub](#) is a powerful set of planning and information tool for small and large scale composting.

### **Free Urban Agriculture Courses**

The [Urban Ag project](#) has partnered with [USDA-AMS Marketing Services Division](#) and [Rooted](#), the Madison, WI-based center for urban agriculture enterprise and education, to collaborate and develop classes for commercial urban agriculturists, city planners, and policymakers. A suite of urban agriculture courses for free until **January 2025**, to provide critical information for building or supporting successful urban farms. Learn more and [enroll today](#) on our Teachable online school.

## National Strategy to Prevent Plastic Pollution

EPA published the [“National Strategy to Prevent Plastic Pollution,”](#) part three in EPA’s Series on Building a Circular Economy for All. In the strategy, EPA shares actions that governments, businesses, non-profits, and consumers can take to eliminate the release of plastic waste into the environment. EPA also outlines interventions across the entire plastic life cycle to reduce the U.S. contribution to plastic pollution. This final strategy incorporates public feedback and affirms EPA’s commitment to eliminating the release of plastic waste into the environment by 2040.

### Public Comment: Landfill Emissions Regulations

As part of EPA’s strategy to learn more about new and emerging technologies and alternative methodologies for regulating emissions from municipal solid waste landfills, EPA opened a non-regulatory docket to gather input on ways we can streamline, improve, and harmonize the current suite of emissions regulations that cover these sources. Please comment by **January 23, 2025**. EPA encourages all interested parties, including technology developers, landfill operators, communities with environmental justice concerns, environmental justice leaders, environmental groups, and state, local, and Tribal air agencies, to provide input and comments on the white papers in the non-regulatory docket. The Agency will provide a separate opportunity for public comment on any future proposed rulemaking(s) for municipal solid waste landfills through a formal comment period announced in the Federal Register. [Learn more about the non-regulatory docket and read the white papers.](#) [View the docket and submit comments.](#)

### Seagull: Connecting people to the Great Lakes

The Great Lakes Observing System (GLOS) is a nonprofit that provides data science, policy, and management support to the U.S. and Canada. Last year, they released [Seagull](#), a slick data platform that brings real-time weather and water data to users. Seagull offers live conditions, lake trend information, and forecast models.

### Food Waste Methane Emissions Report

ReFED, a U.S.-based nonprofit working to catalyze the food system toward evidence-based action to stop wasting food, released a report on the methane impacts of food loss and waste in the U.S. with support from the Global Methane Hub. The report accompanies an update to ReFED’s Impact Calculator, which has long calculated overall greenhouse gas emissions from food waste in different scenarios. ReFED also added new data and features to its [Insights Engine](#). [Access the full methane report from ReFED.](#)

### New Forest Health Diagnostic Lab Reporting Form Available!

Have a sick tree in your yard? Snapped a picture of a mystery insect you think could be invasive? [DEC's Forest Health Diagnostic Lab](#) is here to help you diagnose and identify tree diseases and potentially invasive insects. We're excited to announce a new [reporting form](#) which makes it easier and quicker than ever to submit your diagnostic requests. Check it out!

### DEC Seeks Input on Draft List of Species of Greatest Conservation Need

DEC is seeking public input on the draft list of Species of Greatest Conservation Need and associated species status assessments for use in updating New York’s [State Wildlife Action Plan](#) for 2025-35. The State Wildlife Action Plan (SWAP) guides management actions for New York’s Species of Greatest Conservation Need (SGCN) and is a requirement for New York to participate in the federally funded State and Tribal Wildlife Grants Program. SGCN are species native to and extant in New York that are currently experiencing threats likely to result in further decline of their populations in the state if conservation actions are not implemented within the next 10 years. Implementation of the SWAP aligns with and supports Goal 4 of New York's Great Lakes Action Agenda to conserve and restore native fish and wildlife and their habitats. The draft SGCN list and revised species status assessments are available to download from [DEC’s website](#). The public can also nominate a new SGCN, or propose a species be removed from the list. Anyone interested in providing data, updates, or other comments pertaining to the nomination of a new SGCN can download copies of a blank form from the website, populate one form per species, and send to [nyswap2025@dec.ny.gov](mailto:nyswap2025@dec.ny.gov) by **Jan. 14, 2025**. Please include “Draft SGCN List” in the subject line.

## **Web-Based Map of Accessible Recreation Features Now Available**

DEC recently launched an [Accessible Recreation Destinations Map](#) designed to showcase wheelchair-accessible features at education centers, campgrounds and day use areas, Wildlife Management Areas, state forests, and waterway access sites. The Accessible Recreation Destinations Map displays 266 destinations across New York State with wheelchair accessible outdoor recreation opportunities.

## **Concrete Made with Coffee: a Buzz in Australia**

"Coffee concrete," which contains biochar made from spent coffee grounds as a replacement for river sand, has been used in a major infrastructure project in Pakenham, Australia. Researchers say the novel material for the project has diverted 140,000 coffees worth of grounds from reaching a landfill while saving more than 3 metric tons of sand. Read [more](#).

## **Funding for Clean Energy Business Interns**

NYSERDA has revised [PON 4000: the New York State Clean Energy Internship Program](#), which provides funding to eligible clean energy businesses, organizations, and local municipalities to hire interns to perform meaningful work in the clean energy sector. Both clean energy businesses and intern candidates can apply to participate in the program. Accepted businesses will select, interview, and hire interns, and NYSERDA provides reimbursement on a percentage of the interns' wages.

## **WNY Food Systems Map**

Explore our region's food systems through stories and maps. This mapping and stories website was built by the [Food Systems Planning & Healthy Communities Lab](#) at the University at Buffalo, in support of [Food Future Western NY](#), a food systems assessment and planning initiative for the nine counties of Western New York. The assessment and planning initiative took place over 18 months, and brought together business, non-profit, government, and community stakeholders to create a cross-county, cross-domain vision and action plan. [Check out the map.](#)

## **LEED Green Associate Training - Webinar and Online Self-paced Options**

LEED Green Associate is a credential which will enhance your professional credentials, open doors to new job opportunities and help advance your career in the green building industry. [Register for a live webinar](#) or start today with an on-demand recorded workshop completed anytime at your own pace from Leading Green. Cost: \$200 - Students can use the coupon code 'green' for \$50 off (Discounted course price \$150). Save your seat by [registering](#) for our live or self-paced options. Please contact the instructor Lorne directly with any questions at [info@leadinggreen.com](mailto:info@leadinggreen.com)

## **Open Air Capture of Carbon Dioxide**

Today's carbon capture technologies work well only for concentrated sources of carbon, such as power plant exhaust. The same methods cannot efficiently capture carbon dioxide from ambient air, where concentrations are hundreds of times lower than in flue gases. Yet direct air capture, or DAC, would reverse the rise of CO<sub>2</sub> levels, now 426 parts per million (ppm), 50% higher than levels before the Industrial Revolution. Without DAC, according to the Intergovernmental Panel on Climate Change, we won't reach humanity's goal of limiting warming to 1.5 °C (2.7 °F) above preexisting global averages.

Chemists at the University of California, Berkeley have developed a new type of absorbing material which could help get the world to negative emissions. The porous material, a covalent organic framework (COF), captures CO<sub>2</sub> from ambient air without degradation by water or other contaminants, one of the limitations of existing DAC technologies. The new material could be substituted easily into carbon capture systems already deployed or being piloted to remove CO<sub>2</sub> from refinery emissions and capture atmospheric CO<sub>2</sub> for storage underground. Read [more](#)



## **White Paper Release: The Circular Construction Economy in New York State and Beyond**

Cornell University's Circular Construction Lab and Just Places Lab, and [CROWD](#) recently announced the publication of a white paper, "Constructing a Circular Economy in New York State: Deconstruction and Building Material Reuse." The white paper envisions a transition from a linear construction economy based on a take-make-dispose model, to a circular construction economy focused on reduction, reuse, and recycling. It provides an analysis of the current linear construction economy, recommendations for how New York State can reduce waste from the built environment, and the potential benefits including increased revenue, green jobs, and reduction of greenhouse gas emissions. Read it [here](#).

### **Municipal Training Resources from LEWPA**

The Lake Erie Watershed Protection Alliance (LEWPA) has developed a webpage with 20-minute educational videos designed for municipal officials but are also informative for the public. Learn more about watersheds and the issues impacting water quality at [www.tinyurl.com/municipaltraining](http://www.tinyurl.com/municipaltraining).

### **Empire State Development Launches Small Business Environmental Support Office**

Empire State Development (ESD) announced the opening of the new Small Business Environmental Support Office (SBESO), designed to help small businesses understand and comply with federal and state environmental regulations involving air, water, solid and hazardous waste, petroleum and chemical bulk storage, and other important environmental standards. The new office will provide direct one-on-one guidance to small businesses across the state related to environmental regulations, balancing the States sustainability goals alongside New Yorks economic development goals. The Small Business Environmental Support Office can be reached by calling (877) 247-2329 or emailing [SBESO@esd.ny.gov](mailto:SBESO@esd.ny.gov). For more information, please visit [esd.ny.gov/SBESO](http://esd.ny.gov/SBESO).

### **Environmental Issue: File a report to the DEC and/or U.S. Attorney's Office**

See dark smoke or dust rising from an industrial site, or smell something foul? Visit [here](#) to file a DEC report, or, for rapid response, call 1-844-DEC-ECOS (1-844-332-3267) or the NYS Spill Hotline (1-800-457-7362).

### **EV Charging Funding Assistance**

Charge Ready NY 2.0 (PON 5367) is an incentive program that provides \$4,000 per charging port installed at a public facility within a DAC and \$2,000 per charging port installed at a workplace or MUD location upon completion of the installation of charging equipment and the provision of appropriate documentation. An additional incentive of \$500 per port may be awarded for eligible Level 2 charging equipment installed at a workplace or MUD location within a DAC. Equipment Owners at workplace or MUD locations may choose to participate in a bonus program to receive additional incentives. Public and private (for-profit and not-for-profit) entities may participate in the Program. Full program rules and procedures, additional information about the program, and lists of eligible EV charging equipment can be found at [nyserda.ny.gov/Charge-Ready-NY](http://nyserda.ny.gov/Charge-Ready-NY).

### **Reuse Action in Action: Source for Reusable Materials**

Reuse Action helps deconstruct buildings to return building materials to the supply chain. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them. Profits from sales put people to work! Check out [www.reuseaction.com](http://www.reuseaction.com), call the store at 716-894-3366, or stop by 980 Northampton Street.

### **Seeking a Career in the Clean Energy Field?**

NYSERDA has paid internship and fellowship programs that can help jumpstart your future in the clean energy field. Check out their programs and resources at <https://www.nyserda.ny.gov/All-Programs/Clean-Energy-Workforce-Development-and-Training/For-Job-Seekers-and-Students>.

## Free Access to Parks, Campgrounds, and More for Veterans and Gold Star Families

New York State veterans and Gold Star Families will have free access to New York State parks, campgrounds, day use areas, historic sites and recreations through the expansion of the Lifetime Liberty Pass Program. A disability rating is no longer required, and all Veterans and certain Gold Star Family members who are residents of New York State are now eligible for this pass. [Apply for the pass.](#)

## Buffalo Zoo's Ongoing Amphibian Conservation

Along with the Puerto Rican Crested Toad Conservancy (PRCTC), the Buffalo Zoo oversaw breeding toads that produced over 200 tadpoles this year, the 40<sup>th</sup> year that the zoo has participated. Those tadpoles have since made it to Puerto Rico, where they will be acclimated in man-made ponds and monitored until they metamorphose and disperse. Puerto Rican crested toads are considered endangered and through projects with other partners, over 795,000 tadpoles have been released. The Puerto Rican crested toad became the first amphibian Species Survival Plan program under the Association of Zoos and Aquariums in 1984. That same year, the Buffalo Zoo was one of the first zoos to propagate the species. The Puerto Rican crested toad SSP program became the Puerto Rican Crested Toad Conservancy in 2021, and currently, 18 institutions participate in reintroduction efforts.

## No Guts, No Glory

Are you a deer hunter or know someone who is? DEC is expanding our "[Nonlead Ammunition for Eagle Conservation](#)" project during the 2024-25 deer season. The biggest change for this season is that all licensed deer hunters are eligible anywhere in the state where hunting with a firearm is legal. Like last year, we are collecting data on scavenging rates and dynamics at gut piles of harvested deer including how long it takes for scavengers to find them, how long gut piles persist, and differences based on habitat and location. If you are a deer hunter or know deer hunters who would be willing to volunteer to assess "gut pile ecology" please [sign up to participate.](#)

## Cancer-Causing Chemicals in Dogs

Keep your pets (and yourself) safe by avoiding some chemical use in your home and on your grounds. Check out the video [https://www.youtube.com/watch?v=hexJtt\\_FtTE](https://www.youtube.com/watch?v=hexJtt_FtTE) for a veterinarian's discussion of these hazards.

## \$4.5 Million in New Grant Funding to Establish Large Forests

New York State Department of Environmental Conservation (DEC) is offering \$4.5 million in funding through the Establishing Large Forests (ELF) Grant Program for private landowners to establish new forests, expanding on New York State's popular [Regenerate NY Forestry Cost Share Grant Program](#) to support the creation of new forests crucial for mitigating climate change, providing wildlife habitat, protecting air and water quality, and supplying timber, an important renewable resource. Private landowners (or their representatives) with five or more acres of unforested land in New York State may apply for a minimum of \$30,000 up to a maximum of \$750,000 to reimburse costs for establishing new forests. Eligible projects include but are not limited to preparing sites and planting trees and associated forest vegetation, removing competing or invasive vegetation interfering with seedling establishment and growth, and protecting new plantings from deer browse with fencing. Additional consideration will be given to applications with projects that cover large areas. **Applications will be accepted until 3 p.m. on Tuesday, Jan. 7, 2025.** For more details about the grant opportunity, including application and scoring criteria, visit [DEC's website](#) or email [largeforests@dec.ny.gov](mailto:largeforests@dec.ny.gov).

## Opportunities for Ecological Restoration on the Voluntary Carbon Market

Climate leaders are integrating ecological restoration into net-zero strategies. A Carbon Direct report, in collaboration with Meta, aligns these goals with market demands, offering guidance for developers on best practices and market strategies to boost demand for projects that maximize climate and ecological benefits. [DOWNLOAD](#)

## Reducing Corporate Greenhouse Gas Emissions: A Guide to Scope 1, 2 and 3 Emissions

As public awareness grows around the issue of greenhouse gas (GHG) emissions, corporations are looking to reduce their carbon footprint and lessen their emissions impacts. Constellation's white paper, "Reducing Corporate Greenhouse Gas Emissions: A Guide to Scope 1, 2 and 3 Emissions" can help kickstart these efforts. [Free download here.](#)

### 2025 Farming Incubator Program Applications Now Open!

Do you have farming experience and dream of launching your own farm business but cannot access farmland? Providence Farm Collective is now accepting applications for our 2025 Incubator Program. Be part of a supportive community and grow with us! [Learn more.](#)

### The Climate Education Policy Toolkit Is Now Available!

Regardless of your role, the resources within this Toolkit are designed to help you navigate the dynamic nature of state and local climate education policy, instigating change in a way that is tailored to suit your specific political landscape. [Access the Climate Education Toolkit](#)

## Teacher's and Home-Schooling Resources

[NOAA's updated coral bleaching module.](#) New data visualization tools and an updated design make this resource more engaging than ever. With access to a range of historic and current data, you'll discover what's happening to coral reefs and how they're impacted by climate change. Perfect for sparking curiosity and building science skills!

[Crossword activity focused on endangered animals.](#) -Have students complete the puzzle and then read about one of the animals detailed in the puzzle to learn more about it.

[Effects of Climate Change on Agriculture](#) explores how changes in temperature, invasive species, and extreme weather events influenced by climate change will all impact growing food and raising livestock in North America. These lessons are great for 6th-12th grade students and follow Common Core State Standards.

["Invasive Shrimp: No Small Matter"](#) introduces students to human impacts on ecosystems by discussing introduced versus invasive species, movement of aquatic species through global shipping channels, and methods scientists use to track species across the globe. Students will work in groups to track the movement of invasive Oriental grass shrimp (*Palaemon macrodactylus*) over time using the Global Biodiversity Information Facility (GBIF) database. Students will then use collection data to graph records by year and answer a series of questions.

[Biodiversity lesson plan](#) encourages students to explore biodiversity, including what it is, how human activities are putting it at risk, and what we can do to protect it. Students discover the wide array of organisms that populate our planet, research one of the almost one million species currently at risk, explore the diversity of life in their own backyard, and learn what they can do to lessen human impact on biodiversity. The lesson integrates STEM, English Language Arts, and Social and Emotional Learning.

[Schoolyard Habitats® campaign](#) and action cards allow students to learn about the habitat elements needed for wildlife to thrive while increasing native habitat and biodiversity. Plus, the school will gain an outdoor space for learning, support physical and mental well-being, and expand the community's green space. The new action cards provide the road map and resources for schools to complete the process from start to finish

[The Nature Conservancy: Nature Lab Virtual Field Trips](#)-These virtual labs from TNC include videos, teacher guides, and student activities for ages 9-15 on topics from Colombia's páramo ecosystem to the secret life of corals.



[The Bee Conservancy: Classroom Resources](#)- inspire environmental stewardship, instill actionable knowledge about the world's 20,000 bee species, introduce factors that contribute to bee population decline, and describe kid-friendly ways to build habitat and food supplies that support bees.

[Food Solutions: Climate Change Action for K-2](#) focuses on food and climate, written by and for elementary educators!

[Facilitate Authentic Science Investigations with \*Students as Scientists\*-Nature-based Inquiry](#) unit guides your students through the full range of science practices, from asking their own questions to designing and carrying out studies to answer them. Choose the unit for your grade-band (K-5 or 6-12) and immediately gain access to 6 lessons and supporting resources.

[Garden to Table](#) -curriculum around growing food.

[Additional resources](#)

## Contests, Fellowships and Awards

[2025 Green Chemistry Challenge Awards](#)-The U.S. Environmental Protection Agency (EPA) is now accepting nominations for the 2025 Green Chemistry Challenge Awards from companies or institutions that have developed a new green chemistry process or product that helps protect human health and the environment. EPA's efforts to speed the adoption of this revolutionary and diverse discipline have led to significant environmental benefits, innovation and a strengthened economy. The awards program highlights green chemistry that helps prevent pollution before it is even created, making it a preferred approach for providing solutions to some of the nation's most significant environmental challenges. Nominations are due to EPA by **December 13, 2024**.

[Shell Awards: Apply or Nominate Colleagues](#)-K–12 classroom science teachers, do you create a learning environment that promotes collaboration and problem solving and fosters critical thinking? Do you provide your students with real-world science experiences? Do you support and/or mentor your colleagues? If you answered yes to even one of these questions, you may be eligible for a Shell Science Teaching Award or a Shell Urban Science Educators Development Award. Apply or nominate a worthy colleague by Deadline: **December 19**.

[2025 President's Environmental Youth Awards](#) and [Presidential Innovation Awards for Environmental Educators](#). PEYA recognizes outstanding environmental stewardship projects from students in grades K–12 that promote environmental awareness and encourage community involvement. PIAEE recognizes outstanding grade K–12 educators who employ innovative approaches to environmental education and use the environment as a classroom for teaching. Application Deadline: **January 15, 2025**.

[2025 Youth Biomimicry Challenge](#)- biomimicry is about imitating the hows and whys of nature's systems. Learning from the kaleidoscopic array of organisms with which we share the planet not only makes our own experiences more vibrant, it can offer insights into seemingly intractable problems. Teams with adult mentor develop solutions. *Free online information sessions will be held December 16, December 28, and January 8. Team registration open through January 31.* Submission Deadline: **June 1**.

[World of 8 Billion student video contest](#) has opened for the 2024–2025 school year. The contest challenges students to create a short video connecting world population growth to one of three global topics—Child Wellbeing, Rainforest Ecosystems, and Sanitation—and offer a sustainable solution. More than 80 cash prizes of up to \$1,200 will be awarded, and participating teachers will receive free curriculum resources matched to the *NGSS*. The deadline for video submissions is **March 5, 2025**.

[Monthly Buffalo Blueway photo contest!](#) All you have to do is visit one of the amazing public [Blueway sites around the Buffalo River](#), take a photo and upload it in the form below with a brief description. One entry per month. Our staff will pick our favorite and send that person a Buffalo Niagara Waterkeeper themed swag item. Each month we'll share some of the top images online with our followers and provide an image credit.

## Grant and Scholarship Opportunities

[Organic Farming Research Foundation's Farmer-Led Trials Program](#)-This program provides farmers with technical assistance and \$1,500 to investigate and learn about solutions to their most pressing production challenges. This program will provide support for on-farm learning trials aimed at testing new practices, inputs, varieties, or animal breeds that can improve profitability and environmental sustainability. Applications are due by **December 1, 2024**.

[New York State Regional School Food Infrastructure Grant Program](#)-Funding from the program will go toward projects that encourage the use of fresh New York State farm products in meal preparation for K-12 school children, reduce food insecurity, increase market opportunities for New York State producers, and strengthen the resiliency of the state's food system. Deadline: **December 5, 2024**.

[SNAP-Ed Community Growers Grant Program](#)-Community-led growing spaces are collaborative projects on shared open space that produce healthy and affordable fresh fruits and vegetables for local community consumption. This funding aims to support garden-based nutrition education and food production in Supplemental Nutrition Assistance Program (SNAP) eligible communities to increase the production and consumption of healthy and fresh food. Deadline: **December 6**.

[FACT Fund-a-Farmer Grants](#)-Food Animal Concerns Trust (FACT) is offering Fund-a-Farmer Welfare Improvement Grants up to \$3,000 and one Systems Change and Innovation Grant up to \$10,000. These grants support farms in improving the lives of their animals, in seeking or maintaining animal welfare certification, or in marketing certified products. Deadline: **December 8, 2024**.

[KidsGardening.Org Youth Garden Grant](#) -In early 2025, KidsGardening.org will award 50 organizations \$500 in funding for their youth garden programs. The Youth Garden Grant, which started in 1982, has supported school and youth educational garden projects that enhance the quality of life for youth and their communities. Deadline: **December 13**.

[2024 Microelectronics Innovation Challenge](#): As part of the Jeff Lawrence Innovation Fund, and in partnership with the U.S. Department of Defense, FuzeHub will administer a Microelectronics Challenge. Up to \$180,000 in funding is available. Applications **close on Monday, December 16 at 11:59PM EST**.

[Consumer Recycling Education and Outreach Grant Program](#)- EPA is focusing on preventing the generation of wasted food and increasing its recycling through composting. The program will fund one cooperative agreement that includes developing and implementing a national consumer wasted food reduction campaign, expanding the market for and sales of compost, and increasing education and outreach to households on composting. Deadline: **December 20**.

[NSF: Advancing Informal STEM \(AISL\) Learning](#)- is committed to funding research and practice with a continued focus on investigating a range of informal STEM learning experiences and environments that make lifelong learning a reality. The AISL Program funds five different types of projects: synthesis, conference, partnership development and planning, integrating research and practice, and research in support of wide-reaching public engagement with STEM. Applications are due by **January 8, 2025**.

[Patrick Leahy Farm to School Grant Program—Turnkey Grants](#)-These USDA grants simplify the proposal-writing process for frequently proposed farm to school projects: Action Planning (developing a roadmap for farm to school activities), Agricultural Education, and Edible Gardens. Deadline: **January 10, 2025**.

[Community Environmental Education Center Grants in Communities](#)- \$7 million in competitive grant funding for community based, not-for-profits and Tribal Organizations that will implement the support of new construction or renovation of a facility to create a Community Environmental Education Center. Center should inspire exploration, discovery, and learning about the community's environment. Eligible projects must be located within or serve a Disadvantaged Community (DAC) and/or an Environmental Justice (EJ) Community. Deadline: **January 22, 2025**.

[Air Quality Mitigation Grant Opportunity](#)- Projects should focus on mitigation strategies that reduce air pollution in their communities with a goal of evaluating the projects' effectiveness so that successful strategies can be replicated in other communities across the State. Deadline: **3 p.m. on January 29, 2025**.

[Five Star and Urban Waters Restoration Program](#)- Funding for USDA People's Garden Initiative -The National Fish and Wildlife Foundation is accepting applications for the 2025 Five Star and Urban Waters Restoration Program to fund projects supporting community-based gardens that promote sustainable agriculture practices that benefit people and wildlife. Gardens of different sizes and types, including school gardens, community gardens, urban farms, and small-scale agriculture projects in rural and urban areas, can be recognized as a People's Garden. Deadline: **January 30**.

[Critical Material Innovation, Efficiency and Alternatives](#)-designed to conduct a program of research, development, demonstration, and commercialization to develop alternatives to critical materials, to promote their efficient production and use, and ensure a long-term secure and sustainable supply of them. **Rolling until funding allocation**.

[T-Mobile Hometown Grant Program](#) - Building community, together. We're focusing on revitalizing community spaces in towns with 50,000 people or less. Submit a proposal for a town project of your choice, and if selected, use the funds to get started. Deadline: **Quarterly**

[The Story of Stuff Project Grassroots Grant Program](#)- BIPOC-led groups focusing on water privatization, plastic pollution, or environmental justice projects that are campaign-focused, community driven, and serve communities of color can receive up to \$5,000. Deadline: **Quarterly**

[Community Heart & Soul Seed Grant](#) - The Community Heart & Soul Seed Grant Program provides \$10,000 in funding for resident-driven groups in small cities and towns to start the Community Heart & Soul model. Grant funding requires a \$10,000 cash match from the participating municipality. Deadline: **Ongoing**

[Amber Grants for Women](#)-funds for women's businesses. Deadline: **Ongoing with monthly and quarterly funding**.

[Groundswell Grants for Black Buffalo](#)- stabilization funds awarded to Black-owned and Black-led nonprofits and small businesses working in East Buffalo. From payroll and operating expenses to essential supplies and facilities improvements, these investments help each organization thrive, both in the wake of trauma and well into the future, strengthening their ability to continue serving our shared community. Deadline: **Rolling**.

[Kauffman Foundation Grants](#)-The Kauffman Foundation accepts new ideas and innovative project submissions throughout the year. They support ideas and solutions designed to improve education, boost entrepreneurship, and help communities and individuals thrive. Deadline: **Rolling**.

[The Story of Stuff Project Grassroots Grant Program](#)-BIPOC-led groups focusing on water privatization, plastic pollution, or environmental justice are encouraged to apply. We support projects that value local community involvement and organizing, creative interventions, strategic thinking, and both defensive "fight-back" and offensive solutions-focused projects. Deadline: **Rolling**

[Power of Youth Summer of Service Grants](#) - The Challenge will provide 201 grants to young people seeking to serve their communities. Young people ages 13-19 across the country are encouraged to apply now for the \$300 grants. Projects can address any issue/need that youth are passionate about. Deadline: **Rolling**

[Climate Emergency Fund Grants](#) - The Climate Emergency Funds awards grants up to \$75,000 across four major campaigns: Confronting Media Climate Silence, Climate Emergency Campaigning, Building Movement Infrastructure, and Back To The Streets. Deadline: **Rolling**

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

[Global Youth Mobilization Grant](#)-Do you have an idea for a solution to overcome a community challenge created by the COVID-19 pandemic? Any young person between the ages of 14 – 30 can apply for funding from \$500 –\$5,000. Deadline: **Rolling**.

[The Pollination Project Grants](#) support organizations/groups that do not have any paid staff with initial grants of up to \$1,000. Successful grantees become eligible for larger impact grants of up to \$5,000 and other support. One grant is awarded every day. Deadline: **Rolling**

[The Connect-Kids-to-Parks Field Trip Grant Program](#) is designed to connect New York State students with nature and history. Each grant reimburses of up to \$40 per student (and \$80 for Special Education students) for trips to state and federal parks, forests, historic sites, fish hatcheries and other outdoor recreation areas. Deadline: **Rolling**.

[The Kars4Kids Small Grant Program](#) is dedicated to supporting education, mentoring, and youth development programs around the country that help children develop into productive members of their community. Grants typically range from \$500-\$2,000. Deadline: **Rolling**.

[H2O for Life Mini-Grants](#) provide \$250-\$500 mini-grants for schools to organize projects that educate youth about the global water crisis and help them take action to provide water, sanitation and hygiene education (WASH) for global partner schools. Deadline: **Rolling**

[Toyota 4Good Grants-](#) Projects that are needed and will help contribute to the long- term sustainability of the community. Deadline: **Rolling**.

[Avantor Foundation Science and Technology Education Grants](#) funds community-based organizations that teach science and technology to underserved high school students. Eligible applicants are invited to submit a Letter of Intent via email. 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. 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**.

[Saving Species-](#) We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. Deadline: **Rolling**.

[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). **Rolling**

[Youth Pollinator Gardens Grant-](#) up to \$200 available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. To apply for a grant, complete an NGC Grant Application, and provide detailed information about the project.

[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**.

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

[Food Waste Grants](#) –reimburses businesses that generate over one ton of food waste per week to offset cost of select technologies and equipment that reduce or divert that food waste from landfill or incineration. Projects must reduce and/or divert wasted food at a NYS business including supermarkets, restaurants, and hospitals. Deadline: **Rolling**.

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

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

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

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

[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.

[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**.

[Staying Bothered Foundation](#)-grants to nonprofits that have shown transformative leadership in the areas of education, mental wellness, and gender equity. 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. Deadline: **Rolling**.

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

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

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



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

[Youth Outdoor Equity Leadership Fund](#)- The Children & Nature Network invites young leaders between the ages of 16 and 30 to request up to \$500 to grow professionally as a leader in the movement or to implement projects that create change in equitable access to nature, community health and well-being, and justice. Deadline: **Ongoing**.

## Employment and Internship Opportunities

[Facilitator of Learning](#)- Tiff Nature Preserve

[Preserve Ranger](#) - Tiff Nature Preserve

[Operations Director](#)- Massachusetts Avenue Project.

[Mobile Markets Director](#)- Massachusetts Avenue Project.

[Forest Ranger 2](#) - NYDEC Allegany, NY. Deadline: **December 4**.

[Communications & Development Director](#)- Field and Fork Network to lead our team in shaping strategic communications, driving fundraising efforts, and building strong relationships with key stakeholders.

[4-H Youth Development Educator](#)- Erie County 4-H Program Educator will be responsible for coordinating and delivering hands-on experiential learning opportunities for young people ages 5-18 across Erie County, especially in the areas of Agriculture in the Classroom and county-wide events such as 4-H Public Presentations, the Erie County Fair Youth Development Building, and the Food in Community Program. Deadline: **December 10**.

[Community Liaison](#):-Buffalo Niagara Waterkeeper. Deadline: **December 22**.

[Project Coordinator](#)- Buffalo Niagara Waterkeeper. Deadline: **December 22**.

[Water Quality Technician](#): Erie County Soil & Water Conservation District. Deadline: **October 25 or until filled**.

[Farm Manager](#)- Providence Farm Collective

[Farm Equipment and Facilities Manager](#)- Providence Farm Collective

[Produce Packing Coordinator and Delivery Driver](#)- FreshFix is a small business working with local farms.

[Director of Zoological Operations](#)- Aquarium of Niagara.

[Aquarist I](#)- Aquarium of Niagara.

[Aquarist II](#)- Aquarium of Niagara.

[Operations Assistant](#)- Buffalo & Erie Botanical Gardens

[Marketing and Event Coordinator](#)- Buffalo & Erie Botanical Gardens

[Assistant Curator](#)- Buffalo Zoo

[Animal Keeper 3 and Team Lead Primate](#)- Buffalo Zoo

[Senior Environmental Engineer](#) - Rochester, Open until filled.

[Behavior Assistant](#)- Erie County SPCA

[Community Support Services Consultant](#)-Erie County SPCA

[2024 Natural Resource Technician: Niagara County Soil and Water](#)

[Environmental Monitor: Stohl Environmental](#)-multiple positions

[Marketing and Communications Coordinator: Buffalo Central Terminal](#)- Until filled.

[EcoVerde Organic Compost Crew Member/Driver/ Laborer](#)- Full-time & Part-time available

[Midwestern Regional Climate Center](#) -Paid summer internships for 2025

[Paid White House Internships](#)- numerous council opportunities, varied deadlines.

[Sustainability Intern: Gibraltar Steel](#)

[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.

[Paid Internships in the Energy Sector in NY](#)- you will gain hands-on experience in the growing clean energy sector as either a part-time or full-time paid intern in one of many potential roles.

[Clean Air Coalition Internships](#)-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. All internships include some operations and administrative work.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility.

[Buffalo & Erie County Botanical Gardens Internships](#)-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

[EquiStar Intern](#) will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions.

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

## Citizen Science

[Global Earth Challenge](#)-Collecting data from multiple citizen science projects. See how you can be involved.

[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](mailto:cm933@cornell.edu) or [info@nyshemlockinitiative.info](mailto:info@nyshemlockinitiative.info).

[EPA Citizen Science Database](#)-offers a searchable site for ways the public and EPA can partner to collect environmental information.

[Tree Pictures for NASA Data Verification](#)- NASA would like you to take a picture of a tree, please. The space agency's ICESat-2 satellite estimates the height of trees from space, and NASA has created a new tool for citizen scientists that can help check those measurements from the ground. All it takes is a smartphone, app, and tree.

[Salt Watch](#)- Take the pledge and collect data on your local waterways to monitor road salt effects.

[Record Your Squirrel Observations](#)- People of all ages are encouraged to contribute to Project Squirrel, a citizen science project that has been operating since 1997. Join Project Squirrel by recording squirrel observations, sharing squirrel stories, sharing squirrel photos, or contributing data to an experiment using food patches.

[Other Citizen Science Programs](#)

<https://www.neefusa.org/story/environmental-education/how-participate-citizen-science-all-year-long>

## Upcoming Community Activities:

### Sunday, December 1

**Jingle Falls**-12:00 PM - 02:00 PM at [Niagara Falls State Park](#). Take a break from the cold and visit the Welcome Center for family fun holiday crafts and an Education Station! No registration required.

**Jingle Falls Stroll**-2:30 PM - 03:30 PM at [Niagara Falls State Park](#). Join us on a casual stroll to Stedman's Bluff on Goat Island to view the American and Bridal Veil Falls as a part of the Jingle Falls festivities! Registration available at [Eventbrite.com](#) but not required.

**"Global Insights and Action on GE Trees"**- 2:00-3:00 EST. The event will feature updates from International Campaign to STOP GE Trees programs in Brazil, Chile, Colombia and North America. Via [Zoom](#).

### Monday, December 2

**University Express: Landlubbing On the Buffalo River**- 1 to 2pm at City of Tonawanda library. From the comfort of your chair, "sail" down the Buffalo River with its rich industrial history and learn about the day it caught fire, the role it played in the Civil Rights movement and how it was instrumental in electrifying the city of Buffalo. Stories of how a poor Irish lad came to live on The Avenue and how a cataclysmic series of events caused a bridge to topple will also be retold. Instructor: Marla Bujnicki, Preservation Buffalo Niagara (PBN), former Vice President Docent and Presenter at Forest Lawn Cemetery, Boat Tour Narrator on the Miss Buffalo II. This program is for those ages 55 and up. Registration is required and space is limited. Please call 693-5043, or stop by to register!

**Great Lakes Coastal Resiliency Study Public Meeting**-11 am. The [Great Lakes Coastal Resiliency Study](#) (GLCRS) is an estimated 6 year and \$14.4 million cost-shared study with the Great Lakes States: Illinois, Indiana, New York, Michigan, Minnesota, Ohio, Pennsylvania, and Wisconsin. The GLCRS is a comprehensive watershed assessment of the Great Lakes coastal areas and identifies coastal areas that could be vulnerable to future storms, flooding, extreme low or high water levels, erosion, and accretion; the identification of a range of actions to improve coastal resiliency; and the development of a collaborative-risk informed-decision framework to identify and prioritize coastal investments by federal, state, and local governments, Tribal Nations, and nongovernmental organizations. [Register](#).

**Waste Less, Celebrate More: Tips for a Zero Waste Holiday**- 7 to 8pm webinar. Waste from holiday meals, gift giving and packaging can trash our holiday spirit and harm the environment. We throw away at least 25% more trash during the period between Thanksgiving and New Year's Day than any other time of year. Learn how to reduce your waste during the holidays with our panel of experts from Environment America and PIRG. [Register](#).

### Tuesday, December 3

**IMAGINE Greater Buffalo as a Premier Cultural & Nature Center**- 12:30 – 1:00 P.M. Speaker Ray Geska, WNY Photographer, "A WNY Church Pilgrimage". <https://us02web.zoom.us/j/89475792249>

**Toddler Time: Hibernation!** - 10:30 AM - 11:30 AM, Meet inside Beaver Meadow Nature Center. Let's learn about hibernation! As winter begins, we'll talk about animals who hibernate, what hibernation is, we'll make a craft, and have a snack! We'll also read a story about hibernation that was generously donated from our Toddler Time wish list! [Register](#).

### Wednesday, December 4

**Free community nights at the Botanical Gardens**-5:00 pm – 8:00 pm. Enjoy free admission to the Buffalo and Erie County Botanical Gardens on the first Wednesday evening of each month in 2024. Each date will feature a different theme, activities, and local partnership celebrations from 5-8pm. Visitors can enjoy a self-guided tour of the Botanical Gardens, fun scavenger hunts and experience activities, information tables, programs, performances and more from local partners. Reservations are suggested but not required. If you wish to reserve a ticket go to: <https://www.buffalogardens.com/products/free-community-nights>

**GBNRTC Planning and Coordinating Committee (PCC) Meeting**-9:30am *meeting will be broadcast live for public viewing on GBNRTC's Facebook Page <facebook.com/GBNRTC>*. Discussion of transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#). PCC meetings are usually held the first Wednesday of every month (see our [event calendar](#) for specific times and locations).

**Potential Implications of Future Policy Changes for Agriculture: Trade, Tariffs, Immigration, Labor... and more**- 11am to 1pm. This meeting will be held in a [virtual setting](#) on the [event webpage](#). The recording will also be available to view after the event concludes.

**Great Lakes Action Agenda Sub-Basin Work Group Meeting**- 1:00 p.m. The New York State Department of Environmental Conservation's Great Lakes Program has rescheduled the Lake Erie and Southwest Lake Ontario Great Lakes Action Agenda Sub-Basin Work Group meetings. Lake Erie: Wednesday, December 4, 1:00 p.m. to 4:30 p.m. Northern Chautauqua Conservation Club 1 N Mullet St, Dunkirk, NY 14048 [Click to Register](#) (in-person and virtually)

### Thursday, December 5

**Annual Biocontrol Summit: Aquatic Weed Biocontrol** - Project Progress and Innovative Tools, 12:00 PM - 4:00 PM. The North American Invasive Species Management Association's (NAISMA) Biocontrol Summit communicates the latest in classical weed biocontrol research to North American invasive plant managers and educators and aims to connect researchers and on-the-ground practitioners. This year, the NAISMA Classical Biocontrol Committee is highlighting the role weed biocontrol can play in managing invasive aquatic plant species throughout North America. Aquatic weed management and biocontrol experts will share updates in biocontrol development and innovative tools for improving integrated weed management. [Register here](#).

**Wellness Walks**-10am to noon. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. **Ages:** All Ages, **Cost:** FREE. *Please call 716.825.6397 to confirm walk will take place.*

**Conservation Easement Programs for Rural Landowners**-7:00 PM - 8:00 PM online to learn about conservation tools such as easements and potential funding opportunities available to rural landowners in New York. Land Conservation Specialist Kate Riley from the Finger Lakes Land Trust ([www.fllt.org](http://www.fllt.org)) will cover the options available to landowners to protect and preserve the legacy they have created for their land. Bring your questions. To join the free webinar, [register](#) ahead.

**LEAF: So You Want to Start a Farm?**- 6:00 PM - 8:00 PM. This workshop is for participants who have ever dreamed of having their own farm operation! Topics covered will be broad and include enterprise selection, insurance, marketing, and resources for future exploration of owning your own farm business. This workshop will be taught by Katelyn Walley-Stoll, Team Leader and Farm Business Management Specialist from the Southwest New York Dairy, Livestock, and Field Crops Program with Cornell Cooperative Extension. Participants of this workshop will receive a comprehensive binder with additional resource material. Join in-person at the JCC Carnahan Center (241 James Ave, Jamestown) or watch virtually on Zoom. Register online at [https://reg.cce.cornell.edu/LEAF2024F\\_206](https://reg.cce.cornell.edu/LEAF2024F_206) or call 716-664-9502. Cost: \$5 per household.

**EPA Training Webinar: ECOTOX Knowledgebase and PFAS Updates-** 3-4 pm ET. This webinar will demonstrate EPA's Ecotoxicology Knowledgebase (ECOTOX) tool, which gives quick access to reliable and up-to-date information about how chemicals potentially affect ecologically relevant species. ECOTOX is a comprehensive, publicly available knowledgebase providing single chemical environmental toxicity data for over 12,000 chemicals and species, including aquatic life, terrestrial plants, and wildlife. ECOTOX provides robust curated toxicity data for aquatic and terrestrial organisms to support ecological risk assessments, site assessments, criteria/benchmark development, and other research. This presentation will include information on updates to ECOTOX data for PFAS to support hazard evaluation and development of ecological risk assessment screening values. [The ECOTOX Knowledgebase Resource Hub can be accessed here.](#) [Register for the webinar.](#)

**Exploring Career Opportunities in Ecology-**2pm webinar. [Register.](#) Join us for the fourth session in our new series highlighting diverse career paths for ecologists. We'll feature informal, conversational interviews to provide insights and networking opportunities for students and mid-career professionals exploring alternative careers.

**Bog Bridging the North Tonawanda Audubon Nature Preserve: Part 1-**3:00 - 4:30 p.m. at Kenneglenn Scenic & Nature Preserve. Looking for a free workout? Come help us load the lumber needed to improve the trail system at North Tonawanda Audubon Nature Preserve! Our crew is working to build an extensive bog bridge system throughout the North Tonawanda Audubon Nature Preserve. We are seeking volunteers to help us load bridging lumber onto our trailer. Lumber consists of 3' sections of 4x4s and 8' sections of 2x8s. NOTE: This volunteer event will be held at our Kenneglenn office in Wales. You do not need to register for the 2<sup>nd</sup> event. [Register.](#)

#### Friday, December 6

**Friday Morning Birding: Beaver Meadow-** 8:00 AM to 9:30 AM. Meet outside Nature Center. Join us for weekly birding with Buffalo Audubon Senior Naturalist Tom Kerr. Each week will highlight the seasonal birds at Beaver Meadow. Binoculars are available. Buffalo Audubon Members – Free, General Admission - \$10.00. [Register](#)

**Bog Bridging the NT Audubon Nature Preserve: Part 2-**Noon to 3pm at North Tonawanda Audubon Preserve. Join us as we improve the trail system at North Tonawanda Audubon Nature Preserve! The wet nature of the North Tonawanda Audubon Nature Preserve makes it a tricky trail to keep dry. In order to make the trails more accessible throughout the year we are installing bog bridging throughout the preserve in wet areas. We are looking for volunteers to help us move bog bridging lumber and stage it throughout the trail system! Lumber consists of 3' sections of 4x4s and 8' sections of 2x8s. This volunteer activity will require some heavy lifting and team work to stage pieces throughout the trail. You do not have to register for both events. [Register.](#)

**What's Bugging You: Feed the birds/Repurpose a Holiday Tree-**12:00 pm – 12:30 pm. This monthly virtual series that explores timely topics to help you use integrated pest management (IPM) to avoid pest problems and promote a healthy environment where you live, work, learn and play. IPM is a wholistic approach that uses different tools and practices to not only reduce pest problems, but to also address the reasons why pests are present. Each month, speakers will share practical information about how you can use IPM to address common pest problems. [Register for events here.](#)

#### Saturday, December 7

**Fruit Belt Town Hall: Save Frida's Rebel Garden Park-**11am to 12:30pm at Futures Academy School Auditorium, 295 Carlton St., Buffalo. Moderated by Dr. Henry Louis Taylor, Jr., UB Center for Urban Studies.

**Dare to Repair Café-**11:00am to 2:00pm, UB Allen Hall, Amherst. Bring your broken items (lamps, small appliances, etc.) to the repair cafe and have volunteer "fixers" try to repair the items for free. This event is designed to reduce waste going into landfills and to build community. Register for the event at <https://thetoollibrary.org/daretorepair/> or for more information, call 716-683-5959.

**Gorgeous Gulls: Devils Hole-** 9am to 11am with Buffalo Audubon. Climb the stairs down to the water level at Devils Hole State Park for up-close looks at the gulls roosting on the rocky shore of the Niagara River Gorge. Binoculars are available and a scope is provided. Proper footwear is required! Buffalo Audubon Members - \$10.00, General Admission - \$15.00. [Register.](#)



**Chestnut Ridge Conservancy Annual Meeting**-Noon at the Chestnut Ridge Park Casino. Open to the public.

**Goat Island Mini Walk**-11:30 AM - 12:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three water falls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Falala Falls**-12:00 PM - 02:00 PM at [Niagara Falls State Park](#). Take a break from the cold and visit the Welcome Center for family fun holiday crafts and an Education Station! No registration required.

**Woofs and Waterfalls**-2:00 PM - 04:00 PM at [Niagara Falls State Park](#). Enjoy a leisurely walk with your dog and a Park Naturalist around Goat Island. It is not necessary to have a dog to participate, however, all dogs must be up to date on immunizations, leashed, and under control. Registration required at [Eventbrite.com](#).

**Goat Island Mini Walk**-2:30 PM - 03:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three water falls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Woods Walk: Nature Guide's Choice**-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Friends of Reinstein Woods Holiday Party**-1pm. Bring your kids, grandkids, or a friend and join other Friends of Reinstein members for lunch, warm beverages and desserts, craft making, and a presentation of fossils by Penn Dixie! You can opt to bring a dessert or appetizer to share. For Friends Members and their guests only. Not a member yet? Join at [www.reinsteinwoods.org](http://www.reinsteinwoods.org). Registration required by Nov. 30; call 716-683-5959.

## Sunday, December 8

**Winter Scavenger Hunt**-10:30 AM - 12:30 PM at [Whirlpool State Park](#). Come walk along Trail 2 from Whirlpool State Park to Devil's Hole State Park on a guided scavenger hunt to look for signs of life we can find in the winter! Registration required at [Eventbrite.com](#).

**Daylily society: cookie exchange**-1:30 pm. The Buffalo Area Daylily Society (BADs) will hold its annual cookie exchange meeting at the Town of Aurora Senior Center, 101 King St., East Aurora. Doors open at 1:30 pm and the meeting starts at 2 p.m. with a speaker. Anyone may attend. The group will sample the cookies and if there are any left, you may be able to take a few home. Please remember to take your recipe to share with others, as well as a gift for the door prize table. The Buffalo Area Daylily Society meets three times a year for a meeting with speakers & socializing, including refreshments at the Town of Aurora Senior Center, 101 King St. East Aurora. There are other functions each year including a daylily crawl, summer picnic, public sale & a luncheon. For more information, contact the membership chair Kitty at (716) 341-9502 or [kittyb2004@yahoo.com](mailto:kittyb2004@yahoo.com). You can also see the group on [Facebook](#).

**Forest Health Hike**-Partnered with HikerBabes from 10am to noon at [Bureau of Forestry - Meeting location, Bureau of Forestry Sugar Shack and Sawmill](#), [Register](#).

## Monday, December 9

**Poinsettia Exhibit at the Gardens**-10:00 am – 4:00 pm. Poinsettia Exhibit at the [Buffalo and Erie County Botanical Gardens](#). Step into the warm embrace of a tropical conservatory, filled to the brim with brilliant poinsettias of all sizes and colors. Allow the vibrant reds, magentas, pinks, yellows, and oranges to fill your heart with joy. This Western New York holiday tradition is sure to brighten your mood, and keep you warm, as you explore our carefully curated collection of pretty poinsettias. To reserve a spot go to: <https://www.buffalogardens.com/events/poinsettia-exhibit/>. The cost is included with the price of admission.

## Tuesday, December 10

**IMAGINE Greater Buffalo as a Premier Cultural & Nature Center**- 12:30 – 1:00 P.M. 15th Anniversary – IMAGINE Greater Buffalo & C-SAAHN discussion with Dennis Galucki, <https://us02web.zoom.us/j/88443778782>

**“Great Lakes Offshore Wind (GLOW): Legal design choices and research questions-** 1pm webinar.  
[Register.](#)

**COOL Now (Compostable Organics Out of Landfills Now!) Webinar** – 1 to 2:30pm ET. Exploring how farms and farm-allied ventures can boost their sustainability and profitability by tapping into the growing compost market. [Register.](#)

**Wyoming County Beginner Beekeepers: Gifts from the hive-** 6 to 8:30pm at Cornell Cooperative of Wyoming County, 36 Center St., Suite B, Warsaw. Contact [Emily Wallace](#) at [err32@cornell.edu](mailto:err32@cornell.edu).

### Wednesday, December 11

**Citizen's Climate Lobby: Buffalo Chapter Meeting In-Person-**6:00pm - 7:00pm at Gallery Conference Room in Central Library, Buffalo.

**EPA Tools & Resources Webinar-**Better Together: Participatory Science Resources & Opportunities at EPA, 3-4 pm ET. Participatory science uses the collective strength and knowledge of the public to collect, analyze, and use data to answer environmental and public health questions. Participatory science is the involvement of the public in scientific research and includes a broad and inclusive array of activities. Projects answer wide ranging questions, can engage the public in any or all steps of the scientific process, and operate using diverse models ranging from community-led to institutionally driven. These efforts facilitate community engagement and an increase in place-based connections, environmental stewardship, and scientific literacy. EPA has a long history of engaging data collected by the public. In recent years, the agency has collaborated with Tribal Nations, state agencies, academia, technical support providers, and volunteer scientists to explore effective collaborations and approaches to implementation. This webinar will explore three areas of participatory science focus at EPA: role of participatory science at EPA, key considerations and resources available when starting a project, and lessons learned and project spotlights. [Register for the webinar.](#)

**SciNight Workshop: Snowflake Studies-**Buffalo Museum of Science, 6 - 7:30 p.m. | Ages 18+. Take a dive into the Buffalo Museum of Science's unique Bentley snowflake collection and learn about the geometry that creates the ice crystals we know and love. [Register.](#)

**Behind-The-Scenes Collections Tours: Cabinet of Curiosities-**Buffalo Museum of Science from 6 - 7:30 p.m. | Ages 18+. Take a peek into the Vertebrate Zoology Collection's spine-tingling Cabinet of Curiosities to explore the mind-bending stories of some of nature's unique freaks, morbid mistakes, and seemingly scientific impossibilities! Marvel at obscure oddities, glimpse the wildly unusual, and satisfy your macabre interests. Feeling enticed yet? We invite (dare) you to join us for a hair-raising tour to get an eyeful of all this, and more. You truly never know what you might encounter in the Cabinet! [Register.](#)

**Brains & Grains: Explore Buffalo Trivia at Duende** - 6 to 8pm. Trivia Admission is \$10 per person - your first drink (beer or wine) is included! Space is limited at Duende and we typically sell out. Registering together as a team all on the same order is helpful as we'll reserve a table for your group (if you sign up as a group of 4, we'll reserve a table for 4 for you). Trivia content will be a mix of Buffalo history and general trivia, including current events. [Tickets.](#) Duende at Silo City, 85 Silo City Row, Buffalo, NY 14203.

### Thursday, December 12

**Green Drinks-**Join others for networking and fun at Green Drinks at 5:30pm at Froth (700 Military Rd, Buffalo, NY 14216). The event is also listed on [Facebook](#) and on the [Green Drinks webpage.](#)

**Role of Nuclear Energy in Achieving a Net Zero Future in the Great Lakes Region-** Webinar. 11am.  
[Register.](#)

**Human Health Insights from other Animals-**12 to 1pm webinar. Join Dr. Barbara Natterson-Horowitz, who's blazing a new trail from the intersection of medicine, evolutionary biology, and animal behavior. Barbara will delve into the profound lessons nature's strategies offer for enhancing human health, resilience, and well-being.  
[Register.](#)

**Neonics & Advocacy: Protecting Pollinators**-7pm webinar. Join Wild Ones for a free national webinar, “Neonics & Advocacy,” featuring Lucas Rhoads, Senior Attorney with [NRDC](#)’s Pesticides & Pollinators Team. Lucas will discuss the environmental impact of neonicotinoid insecticides and the critical advocacy efforts needed to reduce their use. This session covers neonics’ effects on pollinators, birds, and ecosystems, along with effective strategies for influencing policies that protect our environment. Gain expert insights and actionable tactics to support pollinators and ecosystems! [Register](#).

**Solstice Soiree Party**-6 to 9pm. Age 21+. After Trinity Church was such a perfect spot for our Bike Month events, we’re going to return to their event center for Soiree! 371 Delaware Ave, 14202. Soiree is a big party to celebrate everything our team and our community of members and volunteers have done to advance safe streets, accessibility, education, and bike repair and donation throughout the year! Enjoy light food, open bar, music and mingling – all included in your \$50 [ticket](#).

**Wellness Walks**-10am to noon. Drop by Tift Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. **Ages:** All Ages, **Cost:** FREE. *Please call 716.825.6397 to confirm walk will take place.*

**SciNight: Winter Backyard Birds**-Tift Nature Preserve, 7 - 8:30 p.m. Winter is the BEST time to learn your birds! Don’t miss this indoor presentation on bird ID, attracting backyard birds, and easy resources for getting the most out of this popular pastime. [Register](#).

**Science in the Pub**-7:00 pm via Zoom. Conservation of the Blaschka Glass Models: Treatment of Complex Construction Materials with Stephen Koob, Chief Conservator Emeritus, The Corning Museum of Glass. [Register](#)

#### Friday, December 13

**Friday Morning Birding: Beaver Meadow**-8:00 AM to 9:30 AM. Meet outside Nature Center. Join us for weekly birding with Buffalo Audubon Senior Naturalist Tom Kerr. Each week will highlight the seasonal birds at Beaver Meadow. Binoculars are available. Buffalo Audubon Members – Free, General Admission - \$10.00. [Register](#).

**Birds, Boots & Brews**-7pm at Pearl Street Brewery. Join Buffalo Audubon, Outside Chronicles for a photo auction.

**Hot Chocolate Hike\***-Tift Nature Preserve. 6:30 - 8 p.m. | Ages 5+. Bundle-up to enjoy the crisp air and night sky on a guided walk in the woods. Warm-up afterwards indoors with snowflake crafts, holiday music, and delicious hot chocolate with marshmallows, peppermints, chocolate chips and more! [Register](#) for December 13.

**Buffalo Astronomical Association Meeting**- 7pm. [Info](#).

#### Saturday, December 14

**Goat Island Mini Walk**-11:30 AM - 12:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three water falls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Falala Falls**- 12:00 PM - 02:00 PM at [Niagara Falls State Park](#). Take a break from the cold and visit the Welcome Center for family fun holiday crafts and an Education Station! No registration required.

**Goat Island Mini Walk**-2:30 PM - 03:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three water falls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Winter Crafts for Kids**-10am. As the winter days become shorter and darker, celebrate light by making suncatchers and candleholders. For children ages 5 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Santa Land**-10:00am - 4:00pm at [Chestnut Ridge](#). Haywagon rides, Santa, live animals, arts and crafts. Enter at the main entrance of Chestnut Ridge Park and parking will be available in the main lot only. Parking is limited, so come early and prepare to wait for an open spot, if the lot is closed. The FREE NFTA Parks Adventure Bus will once again be headed to the event. [Click this link for more information on the Adventure Bus and schedule](#). The Paratransit Access Line (PAL) bus service will also be available for Santa Land! [Click this link for more information on the PAL service](#).

### **Sunday, December 15**

**Wreath Making**-10:00 AM - 11:30 AM at [Evangola State Park](#). Create your very own Evangola inspired wreath perfect for the winter season. Materials and wreath frames will be provided. You are more than welcome to bring your own decorations and craft supplies. Registration required at [Eventbrite.com](#).

**Snow Tracking at Whirlpool**- 10:30 AM - 12:00 PM at [Whirlpool State Park](#). Join an educator at Whirlpool State Park to learn more about animal tracking and then explore the park and trails for tracks. Registration required at [Eventbrite.com](#).

**Camp Coffee Ride: Erie Basin Marina**- 9:30am to 1pm. Join us for a monthly group bike ride to a local park where we'll brew and savor coffee together in the great outdoors! This ride is perfect for riders that want to feel more comfortable on the road. [Register](#).

### **Monday, December 16**

**Webinar: EPA Clean Water Programs and Partnerships for Land Protection**-1:00 p.m. to 3:00 p.m. The US Environmental Protection Agency is hosting a [Watershed Academy](#) webinar to share information on how to integrate land protection across Clean Water Act (CWA) programs, including the CWA Section 319 Nonpoint Source Program, the Source Water Protection Program, and the Clean Water State Revolving Fund. This webinar will also highlight how EPA tools, like [How's My Waterway](#), can help land conservation organizations and partners. [Register](#).

### **Tuesday, December 17**

**Toddler Time: Snowy Owls**- 10:30 AM - 11:30 AM. Meet inside Nature Center. Join us to learn all about these magical winter birds! We'll talk about snowy owls, how they migrate, and their camouflage, and then we'll do a craft and have a snack! [Register](#).

**Almost Full Moon Walk**-6:30pm. Enjoy a winter walk at night as the almost full moon begins to rise. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.

**Glass For a Sustainable Future**-1:30 to 2:45pm webinar. [Register](#).

### **Wednesday, December 18**

**Listening Session: Identifying Climate-Adapted Native Plant Communities**- 11:00 a.m. The [Northeast Regional Invasive Species and Climate Change](#) (RISCC) Management Network is hosting a listening session about the expected shifts in spatial distribution of species under climate change as species struggle to adapt to rapidly changing conditions. Researchers from the University of Massachusetts Amherst will introduce new modeling methodologies to predict the composition of plant communities under future climates accounting for the abundance of invasive species. Following a brief presentation, participants will be asked to share their perspectives on the project, how they foresee using the results, and how they think the project could be improved. [Register](#).

### **Thursday, December 19**

**Poinsettia Exhibit at the Gardens**-10:00 am – 4:00 pm. Poinsettia Exhibit at the [Buffalo and Erie County Botanical Gardens](#). Step into the warm embrace of a tropical conservatory, filled to the brim with brilliant poinsettias of all sizes and colors. Allow the vibrant reds, magentas, pinks, yellows, and oranges to fill your heart with joy. This Western New York holiday tradition is sure to brighten your mood, and keep you warm, as you explore our carefully curated collection of pretty poinsettias. To reserve a spot go to: <https://www.buffalogardens.com/events/poinsettia-exhibit/>. The cost is included with the price of admission.

**WNY Soil Health Alliance Annual Meeting**-1:30pm via Zoom. For link, contact [wnysoilhealth@gmail.com](mailto:wnysoilhealth@gmail.com).

**Wellness Walks**-10am to noon. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteered tour of the Preserve. **Ages:** All Ages, **Cost:** FREE. *Please call 716.825.6397 to confirm walk will take place.*

### Friday, December 20

**Wish Upon a Shooting Star**-8:00 PM - 10:00 PM at [Fort Niagara State Park](#). On a cool, crisp night, take in the stars as we search for the largest meteor shower of the year – the Geminids! Registration required at [Eventbrite.com](#).

**Friday Morning Birding: Rose Acres Nature Preserve**-8:00 AM to 9:30 AM. Meet at Trailhead on Torrey Hill Road. Join us for our weekly Birding Tour! This week we will be meeting at Rose Acres Nature Preserve, located at the intersection of Torrey Hill Rd and Java Lake Rd. Binoculars are available. Buffalo Audubon Members – Free, General Admission - \$10.00. [Register](#).

### Saturday, December 21

**Goat Island Mini Walk**- 11:30 AM - 12:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three waterfalls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Falala Falls**- 12:00 PM - 02:00 PM at [Niagara Falls State Park](#). Take a break from the cold and visit the Welcome Center for family fun holiday crafts and an Education Station! No registration required.

**Goat Island Mini Walk**- 2:30 PM - 03:00 PM at [Niagara Falls State Park](#). Join us on a mini walk to Stedman's and Porter's Bluff to view all three waterfalls that make up Niagara Falls without catching a chill! Registration available at [Eventbrite.com](#).

**Ice Walk**-3:00 PM - 04:30 PM at [Niagara Falls State Park](#). Join us for a relaxing walk as we look at the winter decorations offered by nature! Registration required at [Eventbrite.com](#).

**Winter Solstice Walk**- 7:00 PM - 08:30 PM at [Knox Farm State Park](#). We will explore the darkness on the shortest day of the year. Adult Only. Registration required at [Eventbrite.com](#).

**Family Workshop: Candle Making**-Buffalo Museum of Science. 11:30 a.m. - 12:30 p.m. | All ages. Get prepared to stay warm this winter by exploring the art and science of making candles! Perfect for the whole family, this interactive workshop will guide you through the steps of melting, pouring, and decorating your candles. [Register](#).

**Hot Chocolate Hike\***-Tiff Nature Preserve. 6:30 - 8 p.m. | Ages 5+. Bundle-up to enjoy the crisp air and night sky on a guided walk in the woods. Warm-up afterwards indoors with snowflake crafts, holiday music, and delicious hot chocolate with marshmallows, peppermints, chocolate chips and more! [Register](#) for December 21.

**Winter Solstice Walk** -10am. Celebrate the winter solstice with a walk through the forest! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.

**125th Christmas Bird Count: Beaver Meadow Nature Center**-8:00 AM to 1:00 PM. Meet in Nature Center for Coffee and Donuts and then head out on the trails on the roads for some Holiday Season birding! The Christmas Bird count is an important tradition for tracking populations of birds over time, as well as a fun day for the local birding community! Sign up for a section and Join us on December 21st! General Admission: Free. [Register](#).

**Woods Walk: Signs of the Season**-1pm. Who and what has changed for the winter season? We'll look for nature's signs of change in the winter. You never know what you might find! If nothing else, being outside on a winter day is a glorious experience. No registration required. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.



### **Sunday, December 22**

**Winter Sensory Walk** -10:30 AM - 12:30 PM at [Devil's Hole State Park](#). Take a break from the holiday and end of semester stresses by going on a leisurely stroll along Trail 2. Registration required at [Eventbrite.com](#).

**Evergreens**-1:00 PM - 03:30 PM at [Niagara Falls State Park](#). We will explore some local evergreens to find out how they are pollinated, how to tell the difference between male and female pinecones, and some basic rules of identification. This will be followed by a short walk to find some of these fascinating trees. Registration required at [Eventbrite.com](#).

### **Monday, December 23**

**Poinsettia Exhibit at the Gardens**-10:00 am – 4:00 pm. Poinsettia Exhibit at the [Buffalo and Erie County Botanical Gardens](#). Step into the warm embrace of a tropical conservatory, filled to the brim with brilliant poinsettias of all sizes and colors. Allow the vibrant reds, magentas, pinks, yellows, and oranges to fill your heart with joy. This Western New York holiday tradition is sure to brighten your mood, and keep you warm, as you explore our carefully curated collection of pretty poinsettias. To reserve a spot go to: <https://www.buffalogardens.com/events/poinsettia-exhibit/>. The cost is included with the price of admission.

### **Tuesday, December 24**

**Poinsettia Exhibit at the Gardens**-10:00 am – 4:00 pm. Poinsettia Exhibit at the [Buffalo and Erie County Botanical Gardens](#). Step into the warm embrace of a tropical conservatory, filled to the brim with brilliant poinsettias of all sizes and colors. To reserve a spot go to: <https://www.buffalogardens.com/events/poinsettia-exhibit/>. The cost is included with the price of admission.

### **Wednesday, December 25**

**Happy Holiday.**

### **Thursday, December 26**

**Wellness Walks**-10am to noon. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteered tour of the Preserve. **Ages:** All Ages, **Cost:** FREE. *Please call 716.825.6397 to confirm walk will take place.*

### **Friday, December 27**

**Learn to Cross-Country Ski**- 10:00 AM - 11:30 AM at [Evangola State Park](#). Learn the basics of cross-country skiing before going on a short, guided ski tour. Ages 10 and up. We have a limited number of skis to borrow. Registration required at [Eventbrite.com](#).

**Friday Morning Birding: Beaver Meadow**- 8:00 AM to 9:30 AM. Meet outside Nature Center. Join us for weekly birding with Buffalo Audubon Senior Naturalist Tom Kerr. Each week will highlight the seasonal birds at Beaver Meadow. Binoculars are available. Members – Free, General Admission - \$10.00. [Register](#).

### **Saturday, December 28**

**Evangola Christmas Bird Count**- 10:00 AM - 11:30 AM at [Evangola State Park](#). Join us for our annual Evangola Christmas bird count! We will be birding as a group. Both veteran and beginner birders are welcome. Registration required at [Eventbrite.com](#).

**Handmade Paper Workshop**-10am. Looking for something to do with pieces of leftover wrapping paper? Bring some wrapping paper or tissue paper from home—or just come use what we have—to make new paper! Each person will get to mix, pour, and create recycled paper. For ages 13 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

### **Sunday, December 29**

**Knox Farm Christmas Bird Count**-10:00 AM - 11:30 AM at [Knox Farm State Park](#). Join us for our annual Knox Farm Christmas bird count! We will be birding as a group. Both veteran and beginner birders are welcome. Registration required at [Eventbrite.com](#).

**Holiday Open House at Burchfield Art and Nature Center**-Noon to 2:30pm. 2001 Union Rd., West Seneca.

### Monday, December 30

**Poinsettia Exhibit at the Gardens**-10:00 am – 4:00 pm. Poinsettia Exhibit at the [Buffalo and Erie County Botanical Gardens](#). Step into the warm embrace of a tropical conservatory, filled to the brim with brilliant poinsettias of all sizes and colors. To reserve a spot go to: <https://www.buffalogardens.com/events/poinsettia-exhibit/>. The cost is included with the price of admission.

### Tuesday, December 31

**Last Day Hike**-3:00 PM - 04:30 PM at [Fort Niagara State Park](#). Bring in the New Year while we enjoy a walk through one of our wooded paths and watch the last sunset of 2024! Registration required at [Eventbrite.com](#).

### Wednesday, January 1

**First Day Hike**-10am. Ring in New Year's Day with a hike led by a DEC Forest Ranger who will discuss how to prepare for any outdoor adventure. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.

### Thursday, January 2

**Orchard Park Garden Club: 'Wildlife in Winter'**- 11:30 am at the American Legion Hall, 5784 Ellis Road, Orchard Park. "Wildlife in Winter" will be presented by Nicole Klimowicz, an Erie County Parks Ranger. Refreshments will be served. For more information, call Sharon at 716-674-0446

**Wellness Walks**-10am to noon. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. **Ages:** All Ages, **Cost:** FREE. *Please call 716.825.6397 to confirm walk will take place.*

### Friday, January 3

**Buffalo Geological Society Meeting**- 7:30pm. Speaker: Dr. Sullivan: Buffalo State Geology Department. Heritage Discovery Center, 100 Lee Street, Buffalo NY.

### Saturday, January 4

**New Year Nature Walk**-10am. See what's stirring in the New Year as we search for animal tracks and winter birds along the trails. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.

**Woods Walk: Nature Folklore**-1pm. How many of those nature folklore tales are true? We'll examine a few, such as "the date of the first snowflakes plus the number of days past the new moon tells how many times it will snow this winter." Bring some of your own to share. No registration required. Reinstein Woods Nature Preserve , 93 Honorine Dr., Depew.

## Public Comments, Civic Engagement and Activism

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

**Contact elected representatives today!** You don't have to be an energy or climate expert to make a difference. [Get their contact info.](#)

- [https://www.govtrack.us/congress/bills/subjects/environmental\\_protection/6038](https://www.govtrack.us/congress/bills/subjects/environmental_protection/6038) provides a listing of federal environmental legislation that is pending.
- <https://legiscan.com/NY/pending/assembly-environmental-conservation-committee/id/365> provides a list of environmental legislation pending for the NY Environmental Conservation Committee.
- <https://eany.org/our-work/2024-bill-memos/> provides a list on NY environmental legislation with comments from Environmental Advocates of NY.

## Tips for the Environment:

- **Tis the Season for Packaging-** Unfortunately many packaging materials are not recyclable-don't wishcycle and contaminate the recycling stream. For **plastic** materials including air pillows and bubble wrap-check the [list](#) and take them to drop-off locations. For **foam** packaging- many types are banned in New York, but others are not accepted for curbside recycling.
- **Online shopping and the carbon footprint-** Seems convenient, shop at home and don't drive to the store, but what about the additional packaging and the fleets of delivery vehicles on our roads? If you do order multiple items, choose slower, grouped delivery to reduce the transportation footprint. Remember returns also contribute to the impact.

## 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. You can also create an account at <https://filemaker.epd-pgh.com/fmi/webd/GreenGuardians> to volunteer with registered organizations.

**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.

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

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

**Buffalo Olmsted Parks Conservancy** will assign volunteers to specific clean up and planting projects throughout the summer. Learn more and [sign up here](#)

**Buffalo ReUse** can use volunteers for many things. To help, contact them at [volunteer@buffaloreuse.org](mailto: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](http://www.cacwny.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](mailto:GardenWalkBuffalo@yahoo.com).

**Global Justice Ecology Project-** volunteers needed for mailing and office support.

<https://www.dec.ny.gov/chemical/8799.html> <https://globaljusticeecology.org/>

**Go Bike Buffalo-** If you're interested or want more information, [info@gobikebuffalo.org](mailto: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](mailto:volunteer@habitatbuffalo.org).

**Hawk Creek Wildlife Center** is seeking volunteers who would like to work with wildlife. 16 years or older. Call 716-652-8646. Email [info@hawkcreek.org](mailto:info@hawkcreek.org).

**HOME, Inc.** (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, visit their website at [www.homeny.org](http://www.homeny.org).

**Iroquois National Wildlife Refuge-**lots of options [here](#).

**Iroquois Observations** offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at [glight@rochester.rr.com](mailto: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](mailto: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/>, [current needs and dates](#)

**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.

**Pelion Outdoor Classroom-**Volunteers needed for garden maintenance and youth education. Opportunities for school fieldtrips and intern engagement. <https://www.peliongarden.org/>

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

**Preservation Buffalo Niagara-**Interns & volunteers welcome. [www.preservationbuffaloniagara.org](http://www.preservationbuffaloniagara.org).

**Providence Farm Collective-** From May through November, PFC offers individual, group, one-time, monthly or weekly volunteer opportunities — on the farm in Orchard Park or at the PFC Farmers Market in Buffalo. [Info](#).

**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>.

**Slow Roll Buffalo-** our volunteer squad serves in a wide variety of roles on Mondays and beyond, from planning routes and keeping the rides smooth to many forms of community outreach. submit an [application!](#)

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

**Western NY Land Conservancy-** trail clearing, mailings, technical research and citizen scientist projects. <https://www.wnylc.org/>

**WNY Seed Library-** Based in Audubon Library. Contact <https://www.facebook.com/wnyseedlibrary/>

### **Additional calendars with local events-**

<http://www.buffalospree.com>

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

<http://buffalorising.com>

<https://boredommd.com/>

### **Useful Tools:**

Wildlife Rehabilitator Search- [https://www.dec.ny.gov/cfm/xtapps/sls\\_searches/index.cfm?p=live\\_rehab](https://www.dec.ny.gov/cfm/xtapps/sls_searches/index.cfm?p=live_rehab)

[Tree Equity Score Tool](#)- tree cover with social and demographic statistics

[Climate Change and Birds Visualizer](#)- examines how birds are faring across regions

[Cover Crop Selector](#)-select appropriate cover crops for your site

[Crop Condition and Soil Moisture Analytics](#) -high-resolution data that can help plan spring planting, track damage

[Climate Change Solution Simulator](#)-En-ROADS is a policy simulator

[BirdCast](#) offers real-time migration maps showing where birds are and in which direction they're going

[Bird Migration Explorer](#) provides migration data

[eBird](#)-record and identify birds that you see

[Personal Plastics Footprint Calculator](#)- measure your footprint for a week or year

[Climate Change Indicators in the United States](#)

<https://emagazine.com/green-jobs/> Green jobs

[Ecosystem Restoration Handbook](#)

[Sustainable Gardening Library Resources](#)

[Working With Nature: A Guide to Native Plants for New York's Great Lakes Shorelines](#)

[Buffalo B-WELL Videos](#)

<http://growitsaveituseit.com/>

[toolkit to reduce synthetic fertilizer use](#)

[#OnesToWatch interactive map](#)-NY invasive species map

[Organics Communications Toolkit to Reduce Waste](#)

[Recycle Coach](#)-Erie County resident app for info on trash and recycling in their towns

[Pollution Prevention Institute Tools for businesses, households, others](#)

[The ABCs of Soil Health](#)

[DIY Calculators for supplies](#)

[Model Municipal Zoning Ordinance on Community Composting \(PDF\).](#)

[Dynamic World](#) Land cover dataset

### **Additional local blogs and websites-**

Birds on the Niagara- <http://www.birdsontheniagarafrontier.org/>

Breaking Green Podcast- <https://globaljusticeecology.org/breakinggreen/>

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

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

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

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

Buffalo Tours- <http://buffalotours.blogspot.com/>

Buffalo Green Fund-<http://www.buffalogreenfund.org/>

Canning Tips for Food Preservation- <http://www.motherearthnews.com>

Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>

Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>

Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>

DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>

Edible Buffalo- <http://ediblebuffalo.wordpress.com/>

Erie Cattaraugus Rail Trail- <http://www.ecattrail.org/>

Farmer Resource Network- <https://farmerresourcenetwork.force.com/FRN/s/>

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://hkchbuffalo.blogspot.com/>



Heirloom Soul Florals: Regenerative Flower Farming- <https://www.heirloomsoul.com/blog-archive>  
Natural and Working Lands-<https://blogs.cornell.edu/workinglands/> Farming and Climate Change resources  
Nourishing Harvest- <https://www.patreon.com/anourishingharvest>  
Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>  
Recycle Right NY- <https://recyclerightny.org/>  
Reuse Action-<http://reuseaction.com/blog/>  
Rochester Environment- <http://www.rochesterenvironment.com/>  
WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>  
Outdoors Niagara- <http://www.outdoorsniagara.com/>  
Environmental Tips- <http://www.globalstewards.org/ecotips.htm>  
Buffalo Architecture and History- <http://www.buffaloah.com/>  
Richardson-Olmsted <http://www.richardson-olmsted.com/>  
Times Beach Nature Preserve- <www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029>  
Black Dog Rescue- <www.blackdogsecondchance.org>  
Peace Weavers- <http://peaceweavers.org/>  
Eco-Island Nature Center- <https://www.grandislandschools.org/domain/49>  
NY Sport Fishing- <http://www.fishny.com/>  
Erie Canal Trailway- <www.ptny.org/bikecanal>  
Rochester Roots-<http://www.rochesterroots.org/>  
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>  
We Love Outdoors-<http://www.weloveoutdoors.com/>  
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>  
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>  
Citizen Science Opportunities- [listing](#)  
Sustainability SmartPod- <https://www.buzzsprout.com/2127930>

### **County/New York State Resources**

Erie County GIS Mapping- <http://gis2.erie.gov/HTML5/ErieCountyNY/>  
Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>  
[NY Greenways interactive map](#)

### **Green Jobs, Internships and Opportunities**

E-Magazine-<http://greenjobs.net/>  
EPA-<https://www.epa.gov/careers>  
Green Jobs- <http://www.greatgreencareers.com>  
Listing of websites-[www.tinyurl.com/SustainabilityAndGreenJobs](http://www.tinyurl.com/SustainabilityAndGreenJobs)  
Green Jobs Board- <https://www.browngirlgreen.com/greenjobs>  
Additional jobs- <https://www2.erie.gov/index.php?q=job-openings-community>  
Green Guardian Environmental Volunteers of Niagara Region- <https://filemaker.epd-pgh.com/fmi/webd/GreenGuardians>  
NOAA Internships- [NOAA Student Opportunities Website](#)  
Access hundreds of research internships, fellowships, and scholarships funded by the government and private sector organizations: <https://www.zintellect.com/>

Learn more about the variety of opportunities with NOAA: <https://www.noaa.gov/work-with-us>

EPA: <https://www.epa.gov/careers>

American Academy of Environmental Engineers and Scientists: <https://aaees.mcjobboard.net/jobs>

AGU Career Center: <https://findajob.agu.org/>

ESA Career Center: <https://www.esacareercenter.org/>

American Fisheries Society: <https://jobs.fisheries.org/>

NYSDEC Employment: <https://www.dec.ny.gov/about/jobs.html>

NY State Parks: <https://parks.ny.gov/employment/>

National Association for Interpretation: [https://nai-us.org/interp/nai/\\_membership/Career\\_Center/Career\\_Center.aspx](https://nai-us.org/interp/nai/_membership/Career_Center/Career_Center.aspx)

North American Association for Environmental Education: <https://jobs.naaee.org/>

Marine Biology Education Resources: <https://www.marinebio.org/careers/>

### **Youth Summer/Holiday Camps/Home School Series**

[www.aquariumofniagara.org](http://www.aquariumofniagara.org)

[www.buffaloaudubon.org](http://www.buffaloaudubon.org)

[www.buffalogardens.com](http://www.buffalogardens.com)

[www.buffscience.org](http://www.buffscience.org)

[www.tifft.org](http://www.tifft.org)

[www.buffalozoo.org](http://www.buffalozoo.org)

[www.penndixie.org](http://www.penndixie.org)

[www.yourspca.org](http://www.yourspca.org)

### **Grant Opportunities /Tools**

[Database of Federal Grants to Support Food Waste Initiatives](https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers)

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

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

[www.grantstation.com](http://www.grantstation.com)

[www.grantwatch.com](http://www.grantwatch.com)

[www.grantsalert.com](http://www.grantsalert.com)

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

### **Find your farmer - [Erie Grown website](#)**

#### **Urban Farms/ Composting/ Community-Supported Agriculture/Sustainable Practices-**

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

Becker Farms- <http://www.beckerfarms.com>

Brewster Street Farm- <https://www.jersbuffalo.org/brewster-street-farm>

Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>

Canticle Farms-<http://www.canticlefarm.org>

Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>

Cool Greens Vertical Farm- <https://www.facebook.com/Cool-Greens-Vertical-Farms-2261876070712461/>

Crown Hill Farms-<https://www.crownhillfarm.com/>

Dirt Rich Farm- <https://www.dirtrichcsa.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](http://www.fentonsproduce.com)

First Light Farm and Creamery- <http://www.firstlightfarmer.com/>

Five Loaves Farm- <https://5loavesfarm.org/>

Food Future WNY- [www.foodfuturewny.org](http://www.foodfuturewny.org)

Fresh Fix -<https://www.freshfix.com/>

Goodman Farms- <https://goodmanfarms.net/>

Gormley Farms- <https://www.facebook.com/gormleyfarms>

Greater Buffalo Urban Growers-<https://www.facebook.com/greaterbuffalourbangrowers/>

Gregs U-Pick- <http://gregsupick.com/>

Groundwork Market Garden- <http://www.groundworkmg.com>

Happy Shacks Oils-free seed library <https://happyshackoils.com/>

Healthy Living Farm- <https://www.healthylivingfarm.com>  
Heartland Organics- <https://www.heartland-organics.com/visit>  
Kin Loch Farmstead- <https://www.kinlochfarmstead.com/>  
Kubed Root-<http://www.kubedroot.com/>  
McCollum Orchards- <http://mccollumorchards.com/>  
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>  
Native Offerings- <http://nativeofferings.com/>  
Niagara Malt- [www.niagaramalt.com](http://www.niagaramalt.com)  
Plato Dale Farm- <https://platodalefarm.com/>  
Porter Farms- <http://www.porterfarms.org/>  
Produce Peddlers-<https://producepeddlers.com/>  
The Promised Land- <http://promisedlandcsa.com/>  
Providence Creek Farm- <http://www.providencecreekfarm.com/>  
Roots & Wings Family Farm- <https://www.facebook.com/rootsandwingsfarm/>  
Root Down- [www.therootdownfarm.com](http://www.therootdownfarm.com)  
Sinemus Farms- <http://www.sinemusfarms.com/>  
Singer Farms Naturals-[www.singerfarmnaturals.com](http://www.singerfarmnaturals.com)  
Teacup Farm- <http://www.teacupfarm.com/>  
Thorpe's Organic Farm- [www.thorpesorganicfamilyfarm.com](http://www.thorpesorganicfamilyfarm.com)  
Urban Fruits & Veggies- <https://buffalogogreen.org/urban-fruits-veggies/>  
Utley Acres- <http://utleyacres.com/>  
Westside Tilth Farm- <http://westsidetilth.com/>  
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>  
WNY Farmers' Markets- [http://www.bestofwny.com/farmers\\_market/](http://www.bestofwny.com/farmers_market/)  
Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>  
Local Meats- <http://meatsuite.com/>  
NY State Fruit and Vegetable Harvest Calendar- <https://www.agriculture.ny.gov/HarvestCalendar.html>  
WNY Food Hub for Farmers-<https://www.edenvalleygrowers.com/wny-foodhub>

### **Local Businesses with Classes and Workshops**

Badding Brothers-<https://baddingbrosfarm.com/index.html>  
Lockwood's Greenhouses-<https://weknowplants.com/>  
Masterson's Nursery-<https://mastersons.net/>  
Sweet Flag Herbs-<http://sweetflagherbs.com/>  
CW Native Plants- <https://www.cwnativeplantfarm.com/>

### **Local Tourism promoting Sustainability**

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](http://www2.erie.gov/recycling/index.php?q=node))**

- Year Round: [Food Scraps Drop-Off Collection Locator Map](#)
- Year Round: [PaintCare Drop-Off Collection Locator Map](#)
- Year Round: [Electronics Recycling Locator Map](#)
- Year Round: [Textile Donation & Recycling Locator Map](#)
- Year Round: [Reuse Locator Map](#)

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Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373  
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot  
Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>  
Books- [www.booksforafrica.org](http://www.booksforafrica.org), [www.operationpaperback.org](http://www.operationpaperback.org)  
Bras- [www.donateyourbra.com](http://www.donateyourbra.com),  
Building materials- [www.buffaloreuse.org](http://www.buffaloreuse.org)  
Cars- <http://www.donateacar.com/>  
Cell Phones- Buffalo Zoo, Aquarium of Niagara and other charities

Cigarette Butts- <https://www.terracycle.com/en-US/brigades/cigarette-waste-recycling>  
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/](http://www.donatemyweddingdress.org/), [www.careergear.org](http://www.careergear.org), [www.dressforsuccess.org](http://www.dressforsuccess.org)  
Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's  
Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>, <https://www.decluttr.com>  
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking drop-offs  
Construction Materials-Buffalo ReUse, Habitat for Humanity Restore  
Contact Lenses and Blister Packs- Bausch & Lomb program with [drop-offs](#) at eye care offices  
Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>,  
Electronics- [www.greenergadgets.org/recycling-responsibly.html](http://www.greenergadgets.org/recycling-responsibly.html), most electronics stores, [www.sunnking.com](http://www.sunnking.com)  
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.  
Envelopes, tyvek- contact us at 1-800-44-Tyvek® or 1-800-448-9835 for more information.  
Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations  
Fishing line: Berkley Recycling, 1900 18<sup>th</sup> St., Spirit Lake, IA 51360.  
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)  
Furniture-Goodwill, Salvation Army, Amvets and other charities  
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>  
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>  
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>  
Hazardous Household materials- <http://www.hazmanusa.com/>  
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,  
Ink cartridges-[RecyclePlace.com](http://RecyclePlace.com) and most manufacturers  
Mascara Brushes- Contact wildlife rehabilitation facilities or [here](#)  
Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource  
Medicines, expired or unused- [http://www.dec.ny.gov/docs/water\\_pdf/guidance3.pdf](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  
Paint- <https://www.paintcare.org/>  
Pens- Dropoff at Staples stores  
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](http://www.plasticfilmrecycling.org)  
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448  
Recycling A to Z - [realsimple](http://realsimple)  
Shoes, athletic-[NikeReuseAShoe.com](http://NikeReuseAShoe.com), [Souls4Souls.org](http://Souls4Souls.org) and [OneWorldRunning.com](http://OneWorldRunning.com)  
Sports equipment-resell/trade at [www.playitagainsports.com](http://www.playitagainsports.com)  
Styrofoam- Thermal Foams, Inc. for clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.  
Tennis balls- <http://www.rebounces.com/recycle/>  
Toys, plastic or used- [http://dmpgreen.com/mail\\_in.html](http://dmpgreen.com/mail_in.html), [www.buffalony.gov/383/Streets-Sanitation](http://www.buffalony.gov/383/Streets-Sanitation)  
Underwear- <https://yourparade.com/products/second-life-recycling-kit>  
Uses and reuses for many items- <http://www.world.org/weo/recycle>  
Water filters-Brita partners with [preserveproducts.com/recycling](http://preserveproducts.com/recycling)  
Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>  
Searchable lists- <https://search.earth911.com/>, <https://www.call2recycle.org/locator/>

### **Eco-volunteering with Travel:**

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

### **Education Courses, Resources or Certificates:**

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

Coursera- [www.coursera.org](http://www.coursera.org)

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[The Center for Ecoliteracy](#)

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

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

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

[Basics of Organic Farming](#) is a self-directed online course for beginning orchard and vegetable-crop farmers

[Our Farms, Our Future](#) podcast series

[Second Nature's Solution Center](#)

### **On Demand Webinars:**

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

[Plan-It GEO](#)

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

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

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

### **Miscellaneous tools including videos and websites:**

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>

Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>

Community Food Waste Guide- Access the free resource [here](#).

Change Food Library <http://www.changefood.org/changefoodlibrary/>

USDA Tool Kit for Local Food [toolkit](#)

[Better Than Ed](#)-Video series with Actor Ed Begley encouraging environmentally-friendly practices.

[EJSCREEN](#) is an environmental justice mapping and screening tool.

[Local Foods, Local Places Toolkit](#) to help communities develop their own plans for setting and achieving local food and revitalization goals.

[Merlin Bird ID app](#) Bird id by song

[Archived EPA Climate Change Info.](#)

[www.epa.gov/climate-indicators](http://www.epa.gov/climate-indicators).

[Guide to help schools reduce food waste](#)

[Tool for Sourcing Local Meat](#)

[Click here to watch the Know Your Food videos.](#)

[iMATTER Youth Movement to Spark Change](#)

[Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#)

[EWG's Guide to Healthy Cleaning.](#)

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

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

[2018 Fuel Economy Guide](#)

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

[NOAA National Marine Sanctuary Webinar series](#)

[NOAA One Science Seminar Series](#)

[Green Restaurant sustainability tool](#)

[Mapping Climate Change.](#)

[Socially Responsible Investing and Banking](#)

[Bee Better Certified™](#) - pollinator-focused farm certification program

[Promise of Biomimicry](#)

[Pollinators under Pressure](#)

[Recycle Right NY](#)- Resources and info on how to recycle and where you can recycle are shared.



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

Adirondack Mountain Club-Niagara Frontier Chapter	<a href="http://adk-nfc.org/">http://adk-nfc.org/</a>
AIA Buffalo Western NY	<a href="https://www.aiabuffalowny.org/">https://www.aiabuffalowny.org/</a>
Air and Waste Management Association	<a href="https://awmanfs.wildapricot.org/">https://awmanfs.wildapricot.org/</a>
Allegany Nature Pilgrimage	<a href="http://alleganynaturepilgrimage.com/">http://alleganynaturepilgrimage.com/</a>
Alliance for the Great Lakes	<a href="http://www.greatlakes.org">www.greatlakes.org</a>
American Planning Association-WNY Section/Upstate	<a href="http://nyupstateplanning.org/www.wnyapa.com">http://nyupstateplanning.org/www.wnyapa.com</a>
Amherst State Park Arboretum	<a href="http://www.amherststatepark.org/ASP/Welcome.html">http://www.amherststatepark.org/ASP/Welcome.html</a>
Aquarium of Niagara	<a href="http://www.aquariumofniagara.org">www.aquariumofniagara.org</a>
Asha Sanctuary for Rescued Farm Animals	<a href="http://www.ashasanctuary.com/">http://www.ashasanctuary.com/</a>
Aurorans for Climate and Environmental Sense	<a href="https://www.facebook.com/aceseastaurora">https://www.facebook.com/aceseastaurora</a>
AWARE-Assoc. for Wild Animal Rehabilitation & Education	<a href="http://www.awarewildlife.com/">http://www.awarewildlife.com/</a>
Bergen Swamp Preservation Society	<a href="http://www.bergenswamp.org/">http://www.bergenswamp.org/</a>
Birds on the Niagara	<a href="http://www.birdniagara.org/">http://www.birdniagara.org/</a>
Black Rock Riverside Alliance	<a href="https://brralliance.org/">https://brralliance.org/</a>
Bond Lake Environmental & Beautification Committee	<a href="https://www.facebook.com/BondLakePark/">https://www.facebook.com/BondLakePark/</a>
Braddock Bay Bird Observatory	<a href="http://braddockbaybirdobservatory.wordpress.com/">http://braddockbaybirdobservatory.wordpress.com/</a>
Buffalo Architecture Foundation	<a href="http://www.buffaloarchitecture.org/">http://www.buffaloarchitecture.org/</a>
Buffalo Astronomical Association	<a href="http://buffaloastronomy.com/">http://buffaloastronomy.com/</a>
Buffalo Audubon Society/Beaver Meadow Nature Center	<a href="http://www.buffaloudubon.org">www.buffaloudubon.org</a>
Buffalo Blueway	<a href="https://buffaloblueway.com/">https://buffaloblueway.com/</a>
Buffalo Central Terminal	<a href="https://buffalocentralterminal.org/">https://buffalocentralterminal.org/</a>
Buffalo Go Green	<a href="https://buffalogogreen.org/">https://buffalogogreen.org/</a>
Buffalo Niagara Community Reinvestment Coalition	<a href="https://www.facebook.com/BNCRC/">https://www.facebook.com/BNCRC/</a>

Buffalo Niagara Gardening	<a href="https://buffalo-niagaragardening.com/">https://buffalo-niagaragardening.com/</a>
Buffalo and Erie County Botanical Gardens	<a href="http://www.buffalogardens.com">www.buffalogardens.com</a>
Buffalo Farm to School Program	<a href="https://www.facebook.com/BuffaloF2S/">https://www.facebook.com/BuffaloF2S/</a>
Buffalo Geological Society	<a href="http://www.bgsny.org">www.bgsny.org</a>
Buffalo Heritage Carousel	<a href="http://buffaloheritagecarousel.org/">http://buffaloheritagecarousel.org/</a>
Buffalo Maritime Center	<a href="http://www.buffalamaritimecenter.org/">http://www.buffalamaritimecenter.org/</a>
Buffalo Museum of Science	<a href="http://www.sciencebuff.org/">www.sciencebuff.org/</a>
Buffalo Niagara Heritage Village	<a href="http://bnhv.org/">http://bnhv.org/</a>
Buffalo Niagara Waterkeeper	<a href="https://bnwaterkeeper.org/">https://bnwaterkeeper.org/</a>
Buffalo Olmsted Parks Conservancy	<a href="http://www.bfloparks.org">www.bfloparks.org</a>
Buffalo Orienteering Club	<a href="https://buffalo-orienteeing.org/">https://buffalo-orienteeing.org/</a>
Buffalo Ornithological Society	<a href="https://www.buffaloornithologicalsociety.org/">https://www.buffaloornithologicalsociety.org/</a>
Buffalo Recycles	<a href="http://buffalorecycles.org/">http://buffalorecycles.org/</a>
Buffalo Urban Development Corp	<a href="http://budc.ecidany.com/">http://budc.ecidany.com/</a>
Buffalo Zoo	<a href="http://www.buffalozoo.org">www.buffalozoo.org</a>
Burchfield Nature and Art Center	<a href="http://www.burchfieldnac.org/">http://www.burchfieldnac.org/</a>
Buffalo Women of Env. Learning/Leadership (BWell)	<a href="https://bwell.community/">https://bwell.community/</a>
Center for the Study of Art, Architecture, History and Nature	<a href="http://buffaloah.com/h/center/index.html">http://buffaloah.com/h/center/index.html</a>
Chautauqua Watershed Conservancy	<a href="http://www.chautauquawatershed.org/">http://www.chautauquawatershed.org/</a>
Chestnut Ridge Conservancy	<a href="http://chestnutridgeconservancy.org/">http://chestnutridgeconservancy.org/</a>
Citizens Campaign for the Environment	<a href="http://www.citizenscampaign.org">www.citizenscampaign.org</a>
Citizens Coalition for Wildlife and Environment	<a href="http://citizencoalitionwe.com/">http://citizencoalitionwe.com/</a>
Citizens for Regional Transit	<a href="http://www.citizenstransit.org/">www.citizenstransit.org/</a>
Clarence Bluebird Trail	<a href="https://lambluebirdtrail.org/">https://lambluebirdtrail.org/</a>

Clean Air Coalition of Western New York	<a href="https://www.cacwny.org/">https://www.cacwny.org/</a>
Clean Communities of Western New York	<a href="http://www.ccofwny.org/">http://www.ccofwny.org/</a>
Coalition of Positively Charged People	<a href="https://www.facebook.com/coalitionpositive/">https://www.facebook.com/coalitionpositive/</a>
Community Foundation for Greater Buffalo	<a href="http://www.cfgb.org/">http://www.cfgb.org/</a>
Cooperation Buffalo	<a href="https://www.cooperationbuffalo.org/">https://www.cooperationbuffalo.org/</a>
Cornell Cooperative Extension for Cattaraugus County	<a href="http://cattaraugus.cce.cornell.edu/">http://cattaraugus.cce.cornell.edu/</a>
Cornell Cooperative Extension for Chautauqua County	<a href="http://chautauqua.cce.cornell.edu">http://chautauqua.cce.cornell.edu</a>
Cornell Cooperative Extension for Erie County	<a href="http://erie.cce.cornell.edu/">http://erie.cce.cornell.edu/</a>
Cornell Cooperative Extension for Niagara County	<a href="http://cceniagaracounty.org/">http://cceniagaracounty.org/</a>
Cornell Cooperative Extension for Wyoming County	<a href="https://wyoming.cce.cornell.edu/">https://wyoming.cce.cornell.edu/</a>
Daemen University Center for Sustainability	<a href="http://www.daemen.edu/enviro-news">www.daemen.edu/enviro-news</a>
Department of Environmental Conservation (NY State)	<a href="http://www.dec.ny.gov/index.html">www.dec.ny.gov/index.html</a>
Designing to Live Sustainably	<a href="https://www.facebook.com/d2lsBuffalo/">https://www.facebook.com/d2lsBuffalo/</a>
Drave's Arboretum	<a href="https://www.facebook.com/dravesarboretum/">https://www.facebook.com/dravesarboretum/</a>
Earth Spirit Educational Services	<a href="http://www.earthspiritedu.org">www.earthspiritedu.org</a>
East Side Stewards	<a href="https://www.eastsidestewards.com/">https://www.eastsidestewards.com/</a>
Environmental Advocates NY	<a href="http://www.eany.org">www.eany.org</a>
Environmental Education Associates	<a href="http://environmentaleducation.com/">http://environmentaleducation.com/</a>
Environmental Protection Agency	<a href="https://www.epa.gov/aboutepa/epa-region-2">https://www.epa.gov/aboutepa/epa-region-2</a>
Erie Canal Harbor Development	<a href="https://esd.ny.gov/erie-canal-harbor-development-corporation-0">https://esd.ny.gov/erie-canal-harbor-development-corporation-0</a>
Erie County Climate Action & Sustainability	<a href="http://www2.erie.gov/environment/sustainability">http://www2.erie.gov/environment/sustainability</a>
Erie County Conservation Society	<a href="http://eccs-club.org/">http://eccs-club.org/</a>
Erie County Department of Environment and Planning	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Environment Management Council	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>

Erie County Farm Bureau	<a href="http://www.ecfarm.com/">http://www.ecfarm.com/</a>
Erie County Federation of Sportsmen's Clubs	<a href="https://www.ecfsc.org/">https://www.ecfsc.org/</a>
Erie County Parks and Recreation	<a href="http://www.erie.gov/parks">http://www.erie.gov/parks</a>
Erie County Soil and Water Conservation	<a href="http://www.ecswcd.org/">www.ecswcd.org/</a>
Explore Buffalo	<a href="http://www.explorebuffalo.org">www.explorebuffalo.org</a>
Field and Fork Network	<a href="http://fieldandforknetwork.com/">http://fieldandforknetwork.com/</a>
500 Women Scientists, Buffalo Chapter	<a href="https://500womenscientistsbuffalo.wordpress.com/">https://500womenscientistsbuffalo.wordpress.com/</a>
Food Future WNY	<a href="http://www.foodfuturewny.org">www.foodfuturewny.org</a>
Foundry	<a href="http://thefoundrybuffalo.org/">http://thefoundrybuffalo.org/</a>
Friends of the Iroquois National Wildlife Refuge	<a href="http://www.finwr.org/">http://www.finwr.org/</a>
Friends of Reinstein Woods	<a href="http://reinsteinwoods.org">http://reinsteinwoods.org</a>
Friends of Sinking Ponds	<a href="https://www.friendssinkingponds.org/">https://www.friendssinkingponds.org/</a>
Friends of Times Beach Nature Preserve	<a href="http://www.friendsoftimesbeachnp.org/">http://www.friendsoftimesbeachnp.org/</a>
Foothills Trail Club	<a href="http://www.foothillstrailclub.org">www.foothillstrailclub.org</a>
Gardens Buffalo Niagara	<a href="https://gardensbuffaloniagara.com/">https://gardensbuffaloniagara.com/</a>
Garden Clubs of WNY	<a href="http://www.gardenclubsofwny.com">www.gardenclubsofwny.com</a>
Genesee County Nature Center	<a href="http://co.genesee.ny.us/departments/parks/inc.php">http://co.genesee.ny.us/departments/parks/inc.php</a>
Genesee County Village & Museum	<a href="https://www.gcv.org/">https://www.gcv.org/</a>
Global Justice Ecology Project	<a href="http://globaljusticeecology.org/">http://globaljusticeecology.org/</a>
Go Bike Buffalo	<a href="http://gobikebuffalo.org/">http://gobikebuffalo.org/</a>
Go Buffalo Niagara	<a href="http://gobuffaloniagara.org">http://gobuffaloniagara.org</a>
Gooseneck Hill Waterfowl Sanctuary	<a href="http://www.gooseneckhillwaterfowlfarm.com">www.gooseneckhillwaterfowlfarm.com</a>
Grassroots Gardens of Buffalo	<a href="http://www.grassrootsgardens.org/">www.grassrootsgardens.org/</a>
Greater Buffalo-Niagara Regional Transportation Council	<a href="http://www.gbnrtc.org/">www.gbnrtc.org/</a>

Greater Buffalo Urban Growers Network	<a href="http://www.facebook.com/greaterbuffalourbangrowers">www.facebook.com/greaterbuffalourbangrowers</a>
Great Lakes Center at Buffalo State College	<a href="http://greatlakescenter.buffalostate.edu/">http://greatlakescenter.buffalostate.edu/</a>
Great Lakes Research Consortium	<a href="https://www.esf.edu/glrc/">https://www.esf.edu/glrc/</a>
Green Together WNY	<a href="https://www.facebook.com/greentogetherwny/">https://www.facebook.com/greentogetherwny/</a>
Habitat for Humanity	<a href="https://www.habitatbuffalo.org/">https://www.habitatbuffalo.org/</a>
Hawk Creek Wildlife Center	<a href="https://www.hawkcreek.org">https://www.hawkcreek.org</a>
HEART Animal Rescue and Adoption	<a href="https://www.heartforanimals.org/">https://www.heartforanimals.org/</a>
Heart of the City Neighborhoods, Inc.	<a href="http://www.hocn.org">www.hocn.org</a>
Hope Rising Together	<a href="https://ltlol.com/">https://ltlol.com/</a>
Housing Opportunities Made Equal	<a href="https://www.homeny.org/">https://www.homeny.org/</a>
Imagine Greater Buffalo Lifelong Learning	<a href="http://imaginelifelonglearning.com/">http://imaginelifelonglearning.com/</a>
Inland Ocean Coalition-Buffalo Chapter	<a href="https://inlandoceancoalition.org/whoweare/chapters/buffalo/">https://inlandoceancoalition.org/whoweare/chapters/buffalo/</a>
Innovation Center Buffalo	<a href="http://innovationcenterbuffalo.org/">http://innovationcenterbuffalo.org/</a>
Iroquois National Wildlife Refuge	<a href="http://www.fws.gov/refuge/iroquois/">http://www.fws.gov/refuge/iroquois/</a>
Jamestown Audubon Center & Sanctuary	<a href="http://auduboncnc.org/">http://auduboncnc.org/</a>
Jamestown Community College	<a href="http://www.sunyjcc.edu/sustainability">http://www.sunyjcc.edu/sustainability</a>
Lake Erie Watershed Protection Alliance	<a href="http://www.erie.gov/lewpa">http://www.erie.gov/lewpa</a>
Leadership Buffalo	<a href="https://www.leadershipbuffalo.org/">https://www.leadershipbuffalo.org/</a>
League of Women Voters of Buffalo Niagara	<a href="http://www.lwvbn.org/">http://www.lwvbn.org/</a>
Local Initiatives Support Corporation	<a href="https://www.lisc.org/wny/">https://www.lisc.org/wny/</a>
Lyceum at Silo City	<a href="https://www.facebook.com/SiloCityLyceum/">https://www.facebook.com/SiloCityLyceum/</a>
Massachusetts Avenue Project	<a href="http://mass-ave.org/">http://mass-ave.org/</a>
Matt Urban Human Services Center	<a href="http://urbanctr.org/">http://urbanctr.org/</a>
Messinger Woods Wildlife Care and Education Center, Inc	<a href="http://www.messingerwoods.org">www.messingerwoods.org</a>



Nannen Arboretum	<a href="http://www.nannearboretum.org/">http://www.nannearboretum.org/</a>
Nature Conservancy-Central and Western New York Chapter	<a href="http://Nature.org">http://Nature.org</a>
Nature Sanctuary of Western New York	<a href="http://nsswny.org/">http://nsswny.org/</a>
New York Farm Bureau	<a href="http://www.nyfb.org/">http://www.nyfb.org/</a>
New York Flora Association	<a href="http://www.nyflora.org/">http://www.nyflora.org/</a>
New York Forest Owner's Association	<a href="http://www.nyfoa.org">www.nyfoa.org</a>
New York Interfaith Power and Light	<a href="http://www.newyorkipl.org/">www.newyorkipl.org/</a>
New York League of Conservation Voters	<a href="http://www.nylcv.org/">http://www.nylcv.org/</a>
New York Power Authority	<a href="http://www.nypa.gov">www.nypa.gov</a>
New York Public Interest Research Group	<a href="http://www.nypirg.org/">http://www.nypirg.org/</a>
New York State Association of Conservation Commissions	<a href="https://nysacc.org/">https://nysacc.org/</a>
New York State Ornithological Association	<a href="http://nybirds.org/index.html">http://nybirds.org/index.html</a>
New York State Outdoor Education Association	<a href="http://nysoea.org/">http://nysoea.org/</a>
New York State Parks	<a href="https://parks.ny.gov/">https://parks.ny.gov/</a>
NYS Association for Reduction, Reuse and Recycling	<a href="https://www.nysar3.org/">https://www.nysar3.org/</a>
New York State Sea Grant	<a href="http://www.seagrantsunysb.edu/">http://www.seagrantsunysb.edu/</a>
New York State Soil and Water	<a href="http://www.nys-soilandwater.org/">http://www.nys-soilandwater.org/</a>
Northeast Sustainable Agriculture Working Group	<a href="http://nesawg.org/">http://nesawg.org/</a>
New York Upstate Chapter of the Green Building Council	<a href="http://www.greenupstateny.org/">http://www.greenupstateny.org/</a>
New York Upstate Chapter, Landscape Architects	<a href="https://www.nyuasla.org/">https://www.nyuasla.org/</a>
New York State Wetlands Forum	<a href="http://www.wetlandsforum.org">http://www.wetlandsforum.org</a>
Niagara County Farm Bureau	<a href="http://www.niagaracountyfarmbureau.com/">http://www.niagaracountyfarmbureau.com/</a>
Niagara County Landfill and Recycling	<a href="http://www.rethinkyourwaste.com/">http://www.rethinkyourwaste.com/</a>
Niagara County Parks	<a href="http://www.niagaracounty.com/Parks/">http://www.niagaracounty.com/Parks/</a>

Niagara County Soil and Water Conservation District	<a href="http://www.niagaraswcd.com">www.niagaraswcd.com</a>
Niagara Fishing Expo	<a href="http://niagarafishingexpo.com/">http://niagarafishingexpo.com/</a>
Niagara Frontier Botanical Society	<a href="http://www.niagarafbotanicalsociety.com">Niagara Frontier Botanical Society</a>
Niagara Outfitters	<a href="https://niagaraoutfitters.com/">https://niagaraoutfitters.com/</a>
Niagara River Anglers Association	<a href="https://www.facebook.com/Niagara-River-Anglers-1013633888708865/">www.facebook.com/Niagara-River-Anglers-1013633888708865/</a>
Niagara River Greenway Commission	<a href="https://www.niagararivergreenway.com/">https://www.niagararivergreenway.com/</a>
Northeast Organic Farming Association of New York	<a href="http://nofany.org">http://nofany.org</a>
North Tonawanda Botanical Gardens	<a href="https://ntbgo.weebly.com/">https://ntbgo.weebly.com/</a>
One Region Forward	<a href="https://regional-institute.buffalo.edu/work/one-region-forward">https://regional-institute.buffalo.edu/work/one-region-forward</a>
Open Buffalo	<a href="http://www.openbuffalo.org/">http://www.openbuffalo.org/</a>
Our Outer Harbor	<a href="http://www.ourouterharbor.org/">http://www.ourouterharbor.org/</a>
Partners for a Livable WNY	<a href="https://www.facebook.com/livablewny/">https://www.facebook.com/livablewny/</a>
Partnership for the Public Good	<a href="http://www.ppgbuffalo.org">www.ppgbuffalo.org</a>
Paths, Peaks and Paddles	<a href="http://www.pathspeakspaddles.com">www.pathspeakspaddles.com</a>
Pelion Garden	<a href="https://peliongarden.org">https://peliongarden.org</a>
Penn Dixie Paleontological and Outdoor Education Center	<a href="http://www.penndixie.org">www.penndixie.org</a>
Pfeiffer Nature Center (Portville)	<a href="http://www.pfeiffernaturecenter.org">www.pfeiffernaturecenter.org</a>
People United for Sustainable Housing	<a href="http://www.pushbuffalo.org">http://www.pushbuffalo.org</a>
Plant WNY	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
Pollinator Conservation Association	<a href="http://www.pollinatorconservationassociation.org/">www.pollinatorconservationassociation.org/</a>
Preservation Buffalo Niagara	<a href="http://www.preservationbuffaloniagara.org/">http://www.preservationbuffaloniagara.org/</a>
Primate Sanctuary	<a href="https://www.facebook.com/ThePrimateSanctuary">www.facebook.com/ThePrimateSanctuary</a>
Providence Farm Collective	<a href="http://providencefarmcollective.org/">http://providencefarmcollective.org/</a>
PUSH Blue	<a href="https://www.facebook.com/PUSHBlueWNY/">www.facebook.com/PUSHBlueWNY/</a>

Regional Councils NYS	<a href="http://regionalcouncils.ny.gov">http://regionalcouncils.ny.gov</a>
Reinstein Woods Nature Preserve	<a href="http://www.dec.ny.gov/education/1837.html">www.dec.ny.gov/education/1837.html</a>
Restore our Community Coalition	<a href="http://roccbuffalo.org/">http://roccbuffalo.org/</a>
Retree Western New York	<a href="https://re-treewny.org/">https://re-treewny.org/</a>
ReUse Action	<a href="http://reuseaction.com/">http://reuseaction.com/</a>
Rise Up for Climate Justice	<a href="http://www.facebook.com/riseupforclimatejustice/">www.facebook.com/riseupforclimatejustice/</a>
Riverline	<a href="https://www.theriverline.org/">https://www.theriverline.org/</a>
Roger Tory Peterson Institute	<a href="http://www.rtpi.org">www.rtpi.org</a>
Science Demands Action	<a href="http://www.sciencedemandsaction.org">www.sciencedemandsaction.org</a>
Secret Places of WNY	<a href="https://www.insiders-outside.com/events">https://www.insiders-outside.com/events</a>
Service Collaborative of WNY	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Sierra Club (Niagara Group of Atlantic Chapter)	<a href="http://niagarasierraclub.com/">http://niagarasierraclub.com/</a>
Slow Roll Buffalo	<a href="http://www.facebook.com/groups/slowrollbuffalo/">www.facebook.com/groups/slowrollbuffalo/</a>
South Buffalo Alive	<a href="http://www.facebook.com/South-Bufferalo-Alive-174141769403626/">www.facebook.com/South-Bufferalo-Alive-174141769403626/</a>
SPCA serving Erie County	<a href="http://www.yourspca.org">www.yourspca.org</a>
Street Synergy	<a href="http://www.streetsynergy.org/">http://www.streetsynergy.org/</a>
SUNY Fredonia	<a href="https://www.fredonia.edu/about/offices/sustainability">https://www.fredonia.edu/about/offices/sustainability</a>
Sustainability at Buffalo State	<a href="http://sustainability.buffalostate.edu/">http://sustainability.buffalostate.edu/</a>
Tifft Nature Preserve	<a href="http://www.tifft.org/tifft/">http://www.tifft.org/tifft/</a>
Tonawanda Creek Watershed Committee	<a href="http://www.facebook.com/TonawandaCreek/">www.facebook.com/TonawandaCreek/</a>
Tuscarora Environmental Task Force	<a href="http://www.facebook.com/tuscaroraenvironment/">www.facebook.com/tuscaroraenvironment/</a>
21 <sup>st</sup> Century Park on the Outer Harbor	<a href="http://www.facebook.com/21stCenturyParkOnTheOuterHarbor/">www.facebook.com/21stCenturyParkOnTheOuterHarbor/</a>
UB Engineers for a Sustainable World	<a href="https://www.facebook.com/groups/esw.ub/">https://www.facebook.com/groups/esw.ub/</a>
UB Environmental Network	<a href="https://www.facebook.com/UBEnvironmentalNetwork/">https://www.facebook.com/UBEnvironmentalNetwork/</a>

UB Office of Sustainability	<a href="http://www.buffalo.edu/sustainability.html">http://www.buffalo.edu/sustainability.html</a>
UB Regional Institute	<a href="http://regional-institute.buffalo.edu/">http://regional-institute.buffalo.edu/</a>
Urban Land Institute	<a href="http://newyork.uli.org">http://newyork.uli.org</a>
Urban Roots	<a href="http://www.urbanroots.org/">www.urbanroots.org/</a>
US Army Corps of Engineers-Buffalo District	<a href="http://www.lrb.usace.army.mil/">http://www.lrb.usace.army.mil/</a>
US Coast Guard-Boating Safety	<a href="http://www.wnyboatsafe.org/">http://www.wnyboatsafe.org/</a>
US Fish and Wildlife, Northeast	<a href="https://www.fws.gov/about/region/northeast">https://www.fws.gov/about/region/northeast</a>
Vision Niagara	<a href="http://visionniagara.org/">http://visionniagara.org/</a>
Voice-Buffalo	<a href="https://voicebuffalo.org/">https://voicebuffalo.org/</a>
Western Chapter New York Water Environment Association	<a href="http://nywea.org/">http://nywea.org/</a>
WNY Native Plants Collaborative	<a href="https://www.wnynativeplants.org/">https://www.wnynativeplants.org/</a>
Western New York AmeriCorps (Service Collaborative)	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Western New York Earth Day	<a href="http://www.wnyearthday.org/">http://www.wnyearthday.org/</a>
Western New York Environmental Alliance	<a href="http://www.wnyea.org">http://www.wnyea.org</a>
Western New York Herpetological Society	<a href="https://www.facebook.com/wnyherpsociety">https://www.facebook.com/wnyherpsociety</a>
Western New York Land Conservancy	<a href="https://www.wnylc.org/">https://www.wnylc.org/</a>
WNY Mountain Bike Association	<a href="http://www.wnymba.org">http://www.wnymba.org</a>
WNY Nursery and Landscape Association (PLANT WNY)	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
WNY Partnership for Invasive Species Mgmt (PRISM)	<a href="http://www.wnyprism.org">www.wnyprism.org</a>
WNY Permaculture	<a href="http://www.facebook.com/WNY-Permaculture-1098493876841295/">www.facebook.com/WNY-Permaculture-1098493876841295/</a>
WNY Raptor Center	<a href="http://Wnyraptor.com">Wnyraptor.com</a>
Western New York Science Teachers	<a href="http://www.westernstanys.com/">http://www.westernstanys.com/</a>
WNY Seed Library	<a href="https://www.facebook.com/wnyseedlibrary/">https://www.facebook.com/wnyseedlibrary/</a>
Western New York Soil Health Alliance	<a href="http://www.wnysoilhealth.com">www.wnysoilhealth.com</a>

WNY STEM	<a href="http://wnystem.org/">http://wnystem.org/</a>
Western New York Stormwater Coalition	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Western New York Sustainable Business Roundtable	<a href="http://www.wnysustainablebusiness.org/">http://www.wnysustainablebusiness.org/</a>
WNY Peace Center Renewable Energy Task Force	<a href="https://www.wnypeace.org/">https://www.wnypeace.org/</a>
WNY Weather Society	<a href="http://www.facebook.com/amswnychapter">www.facebook.com/amswnychapter</a>
WNY Young Birders Club	<a href="https://www.wnyybc.org/events">https://www.wnyybc.org/events</a>
West Valley Citizen Task Force	<a href="http://www.westvalleyctf.org">www.westvalleyctf.org</a>
Wild Kritters	<a href="http://www.wildkritters.com/">http://www.wildkritters.com/</a>
Wild Ones-WNY Chapter	<a href="https://westernnewyork.wildones.org/">https://westernnewyork.wildones.org/</a>
Wild Spirit Education	<a href="http://www.wildspirit.org/">http://www.wildspirit.org/</a>
Zoar Valley Coalition	<a href="https://zoarvalley.org/">https://zoarvalley.org/</a>