Enviro-News

November, 2025

Sponsored by Daemen University Editor: Brenda Young

Newsletter Contents:

- Articles- including events, courses, local news, teaching resources, grants, jobs
- Upcoming Activities
- Public Comments, Civic Engagement and Activism
- Tips for the Environment
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Electronics and Paint Recycling and 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 is required, go to erie.gov/recycling or call 716-858-6800. For info on City of Buffalo events, check www.buffalorecycles.org. A free Paint Recycling Event in Tonawanda will be held **Nov.** 1st from 9am to 1pm with info and required registration.

Microplastic Pollution Documentary

Join Rights of Nature WNY for a documentary about microplastic pollution in the Great Lakes, hosted by EarthCare Animal Ministry of Unity Buffalo at 1243 Delaware Ave in Buffalo on **November 13** from 6-7:30p. We will then discuss the Rights of Nature and how we can advocate for the *Great Lakes and State Waters Bill of Rights*, which would recognize the legal rights of all waterways, land, and communities in NYS to "exist and flourish". RSVP here and share with friends!

Green Drinks

Join others for networking and fun at Green Drinks on **Thursday, November 13th** at 5:30pm at Mortalis Brewing (1250 Niagara Street, Buffalo. NY). The event is also listed on <u>Facebook</u> and on the <u>Green Drinks webpage</u>.

Annual WNY Sustainable Business Roundtable Summit

The Sustainable Business Summit, WNY Sustainable Business Roundtable's annual flagship event and the region's premier platform for sustainable business leadership, returns on **Wednesday**, **November 19, 2025**, at the historic Richardson Hotel in Buffalo, NY. The year's theme, *The Future We Build Today*, invites us to imagine what's possible when bold sustainability goals are matched with practical, actionable strategies. The half-day program will bring together business and community leaders for an inspiring keynote, breakout sessions, and opportunities to connect and collaborate. <u>Register.</u>

Women's Focused – Wilderness First Aid Training (16hr) + AHA BLS Course

A Wilderness First Aid course will be offered from **Friday-Sunday**, **November 21**, **2025** at The Park School of Buffalo. This course is designed for an individual or small group that travels beyond pavement and into the outdoors and is geared toward empowering women in the wilderness. The course consists of ~16 hours of in-person training and hands-on practice scenarios and ~3 hours of CPR training. The training will be taking place over three days, Friday (6-9pm), Saturday (8am-6pm) and Sunday (9am to 3pm). The resulting certification is valid for 3 years. Must be 18 or older. <u>American Heart Association (AHA) Basic Life Support</u> training, which includes CPR certification, will also be a component of this course. Upon successful completion of the course, students receive a course completion card, valid for 2 years. <u>REGISTER</u>

Online Civic Ecology Course for Plastic Impact and Action

Join Cornell's Civic Ecology Lab for a 4-week global online course, "Plastics: Impacts and Action" (Nov 3–30, 2025). The course blends asynchronous modules, expert webinars, and a peer-reviewed capstone, so you finish with a read-to-use learning activity or an implementable action plan focused on plastics. Learn more and register at http://civicecology.org/plastics.

Experience Yellowstone National Park Excursions with Earth Spirit in December

Join Earth Spirit for a one-of-a-kind adventure filled with incredible wildlife sightings, breathtaking views, and great company from **December 7-14, 2025**. Get ready for the adventure of a lifetime in Yellowstone National Park, whether you choose summer or winter excursions. Earth Spirit Excursions is one of only of a few non-profit organizations that take travelers to Yellowstone National Park. As a science-based educational tour, we are privileged to be a part of the ecological and seasonal activities in America's first national park. We are equally privileged to take part in many educational activities. For more info about Earth Spirit excursions and to view our excursions page, visit https://earthspiritedu.org/excursions/ or click here!

Winter Trip to Algonquin Park

Experience the winter wonderland of Algonquin Park with Buffalo Audubon from **January 17-19, 2026**. Search for boreal birds such as Canada Jay and Spruce Grouse with Buffalo Audubon Naturalist Tom Kerr and Mike Radomski of Outside Chronicles. Find flocks of nomadic winter finches as they move south in search of winter seed crops. Enjoy Canadian wildlife, with possible sightings of moose. Hotel, transportation by passenger van, and all meals are included. US Passport or Enhanced NYS Driver's License required to enter Canada. Registration due by **Dec. 5**. <u>Trip Info.</u>

NOFA-NY Annual Conference

NOFA-NY's Annual Winter Conference will be held on **January 9-10, 2026** at Purchase College. The event convenes hundreds of farmers, food system professionals, educators, advocates, homesteaders, and gardeners who are passionate about advancing the organic principles that create better food and farming systems. Save \$10 with an early bird ticket! Offer expires **December 12, 2025**. Register today.

Solar Option Available for Erie County

ECLIPSE is now available to ALL Erie County residents, *regardless of income!* Check out <u>erie.gov/eclipse</u> to enroll in our Community Solar Program and get 10% off your electric costs. There is no change in electric company or added fees or equipment installation. The program is for both renters and homeowners.

Snapshot NY

Snapshot NY, a collaborative citizen science initiative between DEC and the NY Cooperative Fish and Wildlife Research Unit at Cornell University invites YOU to be part of a groundbreaking wildlife research project across New York State. Using trail cameras, Snapshot NY empowers everyday New Yorkers—students, families, nature lovers, and outdoor explorers—to help biologists track changes in animal populations across the state so we can better manage those species. Visit the Snapshot NY website or download the Snapshot NY app for more information.

Fall Bird Migration is Underway!

Each fall, migrating birds can be seen flying south to their wintering grounds. It's important for everyone to turn off the lights for birds at night. DEC launched the 'Lights Out' initiative aimed at keeping non-essential outdoor lighting from affecting the ability of birds to migrate successfully. Many species of shorebirds and songbirds rely on constellations to help them navigate to and from their summer breeding grounds through the State. Excessive outdoor lighting, especially in adverse weather conditions, can cause these migrating birds to become disoriented, a phenomenon known as fatal light attraction. From now through November 15, it's encouraged to turn off all non-essential indoor and outdoor lighting from 11:00 p.m. to dawn. View the latest migration forecasts and maps for birds in your area.

New Guide to Reforestation in New York State

DEC recently collaborated with The Nature Conservancy on a guide for landowners to establish new forests on their property, titled <u>Reforestation and Afforestation Guidance in New York State</u> (PDF). This new guide focuses on reforestation and afforestation practices—in other words, planting trees in areas that were once covered by forests, such as old farm fields. The guide provides step-by-step instructions on planning a reforestation project, planting trees, monitoring and maintaining the new forest, and more.

Event Carbon Calculator

Estimate your event's carbon footprint in five minute or less. Our <u>event carbon calculator</u> provides insights into the main drivers of your meeting's greenhouse gas emissions, offers reduction scenarios to test and provides resources to help you build a sustainable strategy for your event. Our calculator is still in its beta stage, so please explore our tool and send us feedback on how to make it better suited for your needs. Our <u>calculator</u> is part of The Company of Biologists Sustainable Initiative, <u>read more about how</u> we can support you.

Updated Organic Resource Locator

An <u>online mapping tool</u> was designed for organizations in New York State that produce organic waste—like grocery stores, manufacturers, restaurants, schools, correctional facilities, and hotels—or that rely on organic material for different purposes, such as waste haulers and operators of composting or anaerobic-digestion sites. These organizations can use the tool to learn about and connect with one another. When possible, waste-producer listings include key data points, such average estimates of the volume of waste they generate. Likewise, entries for organics recyclers include the type of organics they accept and process.

Last Call for Solar Tax Credits

Residential solar systems must be installed and in service by December 31, 2025 to qualify for the up to 30% federal tax credit. That's a huge savings—on average, about \$6,000 off installation. Without it, homeowners will pay thousands more and face a longer payback period on their investment. Installing solar still makes sense: save money on your electric bills (often paying back the cost within 7–10 years), increase your home's value, cut carbon emissions and reduce reliance on fossil fuels. But beware: as deadlines approach, scams and predatory lenders are on the rise. Take time to choose a reputable installer, compare financing options, and confirm every detail before you sign. Even if rooftop solar isn't an option, you can still benefit by joining a community solar project or making your home more efficient with insulation, draft fixes, and efficient appliances—all of which may qualify for tax credits that also expire at the end of this year. Read more.

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

New 25 million Trees Initiative 'Tree Tracker'

New York State's goal is to plant 25 million trees by 2033. Now there is a way to track our progress. Hosted by DEC and developed in cooperation with the Office of Information Technology Services, the <u>25 Million Trees webpage</u> and Tree Tracker allow State agencies, organizations, private entities, and individuals to report the location and number of trees planted into a tracking tool, measuring progress in the statewide effort. Information on how to plant trees, how to care for them to aid their survival, and where to go for more technical assistance is also available on the webpage.

Nocturnal Invertebrates Suffer from Light Pollution

While it is understood that light pollution interferes with bird migration, it also affects nocturnal invertebrate species, which make up about two-thirds of invertebrates. Light pollution increases by about 10% each year. Many species are disoriented by artificial light, affecting behaviors like mating and navigation and subsequently harming entire ecosystems. Turning off lights when unneeded, closing blinds in the evening and educating city councils about the effects of light pollution can help nocturnal invertebrates and may also save money.

Take the Pesticide-free Pledge and Receive a Free Lawn Sign!

Receive a FREE lawn sign when you pledge to protect your family, pets, wildlife and waterbodies by having a pesticide-free lawn or eliminating use of pesticides on your lawn and making your lawn a pesticide-free safe "Home for the Gnomes". Overuse and misuse of garden chemicals can be harmful to humans, pets, wildlife and waterbodies. Collectively, residents control about 900,000 acres of lawn in New York alone - 75% of the managed turf in the state. The good news is there are many ways to care for your lawn that avoid putting family and neighbors at risk. Pledge to eliminate pesticides in your lawn and receive a free lawn sign to let your neighbors know that your lawn is healthy and safe.

Bitter Nectar, Toxic Pollen: Pollinators and Plant Chemicals

A recent podcast "Bug Banter" takes a deeper dive into plant chemistry to better understand the relationship between pollinators and their floral resources. As many floral visitors are coming to eat, plants need to defend themselves and often turn to chemical arsenals. For more-<u>Listen to Bug Banter</u>.

Floating Fen Preserve

Western New York Land Conservancy has announced the opening of their newest preserve, the <u>Floating Fen Preserve</u> in Chautauqua County. This spectacular 225-acre forest is home to a unique wetland that includes a floating peat mat, from which the preserve derives its name. Visitors to the new preserve will be able to enjoy scenic vistas around this remarkable fen. The Land Conservancy's stewardship team, led by Josh Balisteri, designed and built the 2-mile hiking trail.

The Floating Fen Preserve is an integral part of the WNY Wildway, the Land Conservancy's plan to create an extensive series of protected lands that connect the vast forests of northern Pennsylvania to the Great Lakes and link up with the Eastern Wildway. Combined, the Floating Fen and College Lodge Forest total nearly 400 acres of contiguous land in a critical linkage area. Protecting such linkages in the WNY Wildway is a key component of the Land Conservancy's long-term vision. Plan your visit by visiting the Floating Fen Preserve page on our website. Watch the video below to get a preview of the preserve.

Funding for Clean Energy Business Interns

NYSERDA has revised <u>PON 4000</u>: the <u>New York State Clean Energy Internship Program</u>, 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 <u>Food Systems Planning & Healthy Communities Lab</u> at the University at Buffalo, in support of <u>Food Future Western NY</u>, 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.

The Salmonfly Project: Anglers, Insect Conservation, and the Future of Freshwater Streams

While many freshwater insects are in decline, the good news is that there is something we can do about it. With the Salmonfly Project, we aim to conserve aquatic insects for future generations through research, monitoring, education, and sound management and restoration solutions. The following podcast is with Jackson Birrell, director of the Salmonfly Project. <u>Listen to Bug Banter</u>

Drop Off Your Cans and Help Audubon

Help Buffalo Audubon raise funds by dropping off your cans and bottles at Xtra Dime Recycling, 1041 Englewood Ave., (between Sheridan and Kenmore). Stop by Monday through Saturday from 10am to 5pm and mention Buffalo Audubon for the funds.

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

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.

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 <u>here</u> 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). Report petroleum or chemical spills to the <u>Department of Environmental Conservation (DEC) Spill Hotline</u> at 1-800-457-7362.

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, call the store at 716-894-3366, or stop by 980 Northampton Street.

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. 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.

Donate Your Deer Harvest

DEC is encouraging hunters to help fight hunger in our communities at this critical time. Each year, DEC partners with Feeding New York State to facilitate the donation of 50-70,000 pounds of venison from deer harvested by hunters to those in need. To help join the fight against hunger by donating your deer harvest: Drop off any legally harvested, tagged, and reported deer at one of Feeding New York State's participating deer processors, Call the processor ahead of time to ensure they can accept your deer, Complete the processor's log sheet indicating your desire to donate the deer. DEC and Feeding New York State will cover the processing costs for donated deer so that the venison can be distributed to food pantries and food banks throughout the state; however, funding is limited.

Safe for the Seas: New Pollen-Based Sunscreen

Scientists have developed a pollen-based sunscreen that blocks harmful ultraviolet rays without endangering coral reefs. Commercial sunscreens can cause coral bleaching and death, as well as disrupt other marine life. The team tried different pollens and found that camellia had a SPF of 27.3 means it blocks about 97 percent of ultraviolet rays, and camellia pollen is typically non-allergenic. Pollen was considered for the formulation as it is known to be naturally UV-resistant.

Free Online Course: Continuous Living Cover 101

Continuous Living Cover 101 is a self-paced, online course for agriculture, conservation, and technical assistance professionals – as well as anyone else who is curious to learn more about CLC! Continuous Living Cover 101 introduces the concept, describes five basic strategies (annuals + cover crops, agroforestry, perennial grains, perennial forage and grazing, and perennial biomass) to achieve CLC, and goes over economic and environmental benefits with on-farm examples. There is no cost, and the course is available on three different platforms. Access the course.

Free Educational Resources on Electricity in the US

Download an <u>ebook</u> on "The Future of Electric Power in the US" and a <u>paper</u> on "Enhancing the Resilience of the Nation's Electricity System". As data centers use increasing amounts of electricity, the nation must plan.

Follow the NYS Firewood Regulation to Help Protect New York's Trees

Invasive pests like <u>emerald ash borer</u>, <u>Asian longhorned beetle</u>, and <u>spotted lanternfly</u> can hitch a ride to new areas in or on untreated firewood. Limit the spread of invasive species by following <u>New York State's firewood regulation</u>: Untreated, New York-grown firewood must stay within a 50-mile radius of its source or origin, Untreated firewood may not be brought into New York from any other state, Heat-treated firewood can be transported anywhere in New York, but it must have a receipt or label that says, "New York Approved Heat-Treated Firewood/Pest-Free."

NY State Parks Wellness Challenge for 2025

Throughout the year, immerse yourself in all kinds of wellness activities at state parks and historic sites across the Empire State in the NY State Parks Wellness Challenge. From trying your hand at yoga to engaging your senses to packing a picnic, achieve wellness through a variety of ways in the outdoors. Ready to take on the Wellness Challenge? We've gathered a list of 50 wellness-related missions you can achieve at most state parks and historic sites. Try to complete 25 of the missions by the end of 2025, either as an individual, team, or group!

Vernal Pool Monitoring: Volunteers Needed for Next Year

The New York Natural Heritage Program (NYNHP) is working with organizations in Great Lake states to increase knowledge of vernal pools using new mapping tools and community science. Remote sensing will be used to find potential vernal pools in three focal areas in the western, northern, and capital regions of New York. NYNHP is building a participant network though a community science program that will help to monitor the potential pools (NY POOLS). **Volunteers will be needed in 2026** and 2027 to survey select vernal pools up to three times through the year to assess habitat, amphibian breeding, and other key factors. In Region 9 there are opportunities for volunteers in Chautauqua and Erie counties. Volunteers located within (or willing to travel to) these counties can sign up to be involved. For additional information, contact NYNHP Zoologist Ashley Ballou at Ashley.Ballou@dec.ny.gov.

Connect Kids to Parks Field Trip Grant Program

Grant Applications for the New York State Office of Parks, Recreation and Historic Preservation's (OPRHP) "Connect Kids to Parks Field Trip Grant Program" is now open! Connect New York school age children (pre-K through grade 12) with nature, outdoor recreation, and history by reimbursing eligible costs for field trips to state and national parks, historic sites, and New York State owned public lands. Funding is available for: schools, municipalities, libraries and eligible not-for-profits that are physically located in a New York school district that receives Title 1 funding. **Applications must be submitted six weeks before the field trip is planned to occur**, and no earlier than six months prior to the field trip. <u>Applications</u> will be reviewed on a rolling basis in the order they are received, while funding is available

Introduction to the Meaningful Watershed Educational Experience

Thousands of educators across the country are using Meaningful Watershed Educational Experiences (MWEEs) in their classrooms, and now, you can join them! Take the **free**, self-paced eeLEARN: MWEE 101 online course to begin planning your very own student-centered approach to evidence-driven learning that's grounded in real-world environmental issues. Get started.

Outdoor Classroom Day is November 6

On November 6th, students and teachers around the globe will take their learning outside! Children are spending less time outdoors than ever before, and yet outdoor education comes with all sorts of benefits, like making children happier and healthier, and equipping them with valuable life skills. Use the *Citizen Scientist*, *Sit Spot*, *and Waterway Clean-Up* action cards to support outdoor learning at your school. Find helpful resources and guides for November 6th here.

America Recycles Day is November 15

Recycling helps to keep tons of materials out of landfills, saves natural resources, and reduces pollution. <u>America Recycles Day</u> is a time to learn, get inspired, and take action. Whether at home, school, or work, we can all pitch in to recycle more and waste less! There are many different action cards—*Waste Audit, Repurposing and Innovative Recycling, Rethink Trash:*Communication Campaign—that can help students support their school's recycling efforts beyond November 15th.

Teacher's and Home-Schooling Resources

Walking Softer Education is a free, ready-to-implement program that equips high school educators with engaging, NGSS-aligned curriculum focused on environmental sustainability. This opportunity is open to any high school class, club, or out-of-school-time program across the U.S. Includes project grants and teacher stipends (deadline Feb. 26, 2026).

Becoming a Climate Change Educator Toolkit was designed for formal and nonformal educators from all subject areas and grade levels who are new to teaching climate change, although there are certainly activities and tips that may interest seasoned climate change educators. Dig into the activities to prepare yourself to teach the many aspects of climate change, including how to connect to your values and how to prepare yourself to support students as they process the many feelings that come along with learning about climate change.

<u>Green Club Guide</u> helps educators lead middle- and high-school clubs with tools and inspiration to make a lasting impact on our environment. It connects local action projects to WWF's conservation mission and helps students contribute to a sustainable future.

Electric Universe-Energy activities for kids

<u>Keeping it Wild Compassionate Coexistence</u> teaching curriculum modules for primary (K–2), upper elementary (grades 3–5), and middle school (grades 6–8) levels. This curriculum provides teachers with the tools to teach kids about North America's wild carnivores.

<u>Food Waste Education</u> -materials on food waste basics and food waste reduction techniques that are designed for use in the classroom and at home. There are several playful and educational activities for groups ages 6-11 and 9-11. The handbooks offer a starting point for parents and educators to discuss food loss and waste and how it can be avoided.

<u>SubjectToClimate</u>: Free professional development opportunities including on-demand webinars like *Climate Change Teaching Tips* and *Developing Climate Change Lessons*, and online workshops.

<u>NEED Curriculum</u>-National Energy Education Development has resources for different grades and energy-related topics.

Evolution in Paradise-Tropical birds of paradise are the inspiration for this three-activity lesson plan exploring life science concepts such as evolution natural through sexual selection and behavioral adaptations and heritability. Developed by the Cornell Lab of Ornithology for middle and high school levels (grades 6–12), the lesson plan's activities incorporate actual video footage from science researchers working as part of the BirdsofParadiseProject.org and feature hands-on experiences and lively discussions about life science content throughout.

Dive Into Shark Education from the Classroom- Resources for elementary through high school on sharks.

<u>NEEF Infographic: Biomonitoring with Benthic Macroinvertebrates</u>-Biomonitoring uses aquatic organisms as biological indicators of water quality. This infographic from NEEF will help you gain a greater understanding and appreciation of benthic macroinvertebrates and the important role they play in biomonitoring.

<u>Waterloo Climate Institute: Illuminate Climate Change Game</u>- Illuminate is an educational simulation game that teaches players about the impacts of climate change, ways to reduce greenhouse gas emissions, and how to respond to climate risks.

<u>Salmon Restoration Investigations</u>- Students explore data and possible solutions to restore salmon populations.

<u>uBEATS Interactive Online STEM Modules</u>-Building Excellence in Academics Through STEM (BEATS) is a series of online science, technology, engineering, and math learning modules for grades 6–12 exploring topics in genetics, microbiology, pathology, pharmacology, public health, and health science careers

Sea Otters Case Study (APES Unit 1) (FREE)- A great way to explore ecosystems and keystone species.

<u>En-Roads & C-Roads Climate Simulator Activities (FREE)</u>: Interactive activities to explore climate policy and energy choices.

<u>ORISE: Invasive Species Lesson Plan</u>- designed for students in Grade 6 and takes place over ten one-hour lessons. Students will be able to define and give examples of invasive species, describe the impact an invasive species has on an ecosystem, and use the engineering design process to mitigate the impact of an invasive species.

<u>LunaSustain</u>-Take your students on an interactive online journey from Earth to the Moon and beyond to learn about sustainability. Site encourages students to become "solutionaries" by using critical and creative thinking skills to look at sustainability in new ways. Activities include calculating your carbon footprint and making air breathable on the International Space Station. Students who complete LunaSustain can sign their own "My Sustainability Pledge."

<u>STEAM Powered Family: Bird Feeder STEM Project for Kids</u>-Young people can have fun designing bird feeders from recycled materials while learning about their local environment. This resource features several simple bird feeder designs that you can replicate or can inspire other designs.

<u>Educational resource package for I Am A Scientist initiative</u>, featuring four alumni of the International Science and Engineering Fair. The multimedia collection is free to download and includes interactive digital stories, classroom posters and teaching guides that showcase pathways and possibilities in STEM careers.

<u>The Bridge</u>- go-to for all marine and aquatic education resources. It is a clearinghouse of lessons and activities across grade levels and includes incredibly strong use of data that is student-accessible. Every lesson is vetted by teachers and organized by subject and grade level.

<u>World Wildlife Federation Lesson Library</u>-Choose from a variety of toolkits featuring information guides and activities about some of WWF's priority species and conservation goals. These subject-integrated lessons are perfect for school, home, or any learning environment and will leave kids with an understanding of how their actions help shape the future of nature.

<u>Printables: Wildlife Species Cards</u>- Explore a world of fascinating animals like the black-footed ferret and Asian elephant with a collection of species cards. These fun and educational printables showcase each animal's characteristics, behaviors, habitats, threats, and more. Kids can use cards to reinforce concepts, build vocabulary, and explore the animal kingdom at their own pace.

<u>Science Career Books for Kids</u>-Learn more about what it takes to be a volcanologist, disease ecologist, climate modeler, and many other careers through whimsical whiteboard animations and coloring pages from the USGS.

<u>Women in Oceans Careers</u>-What does it mean to be a woman in an ocean science career? What different career paths are available, and how does one get there? Hear from inspiring women working throughout the National Marine Sanctuary System.

<u>Nature's Benefits Card Game</u>-fun way to teach important lessons about ecosystems. Players explore how people benefit from nature, how our actions impact the benefits we receive, and how working together can sustain benefits for everyone.

<u>Knowles Experiential Learning Project (KELP) Resource Bank</u>- real-world lessons exploring the Galápagos Islands ecosystem. Designed for students in grades 9–12, but adaptable for middle and college levels, the lessons are anchored in real-world phenomena and address topics in biology, chemistry, physics, environmental science, Earth science, and mathematics.

<u>EarthEcho Water Monitoring Activities</u>- provides videos, data sheets, resources, and equipment to guide teachers and students in executing a water monitoring event. The materials are very user-friendly and students across many grade levels can learn and take action.

<u>NOAA's updated coral bleaching module</u>. 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!

<u>Crossword activity focused on endangered animals.</u> -Have students complete the puzzle and then read about one of the animals detailed in the puzzle to learn more about it.

<u>Effects of Climate Change on Agriculture</u> 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.

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.

<u>The Nature Conservancy: Nature Lab Virtual Field Trips</u>-These virtual labs from TNC include videos, teacher guides, and student activities for ages 9-15 on topics from Colombia's paramo ecosystem to the secret life of corals.

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.

<u>The Bee Conservancy: Classroom Resources</u>- 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.

<u>Food Solutions: Climate Change Action for K-2</u> focuses on food and climate, written by and for elementary educators!

<u>Facilitate Authentic Science Investigations with Students as Scientists</u>-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.

Additional resources

Contests, Fellowships and Awards

<u>C2C Fellows Sustainability Leadership Training</u>-for undergraduates and recent graduate students. A free one-day workshop on December 11 will teach skills they don't teach at university, skills to change the future. There is no cost to attend. Deadline to Apply: **November 15**.

Arbor Day Poster Contest – Celebrate the beauty of New York State's trees by participating in DEC's annual Arbor Day Poster Contest! Submit your original photography or artwork to be considered for the 2026 New York State Arbor Day Poster. DEC prints thousands of posters for distribution to schools, the New York State Fair, libraries, and other venues every year. This year's theme is "Trees for the Future," and submissions should express the connections between people and trees, the importance of planting trees for future generations, and the role of trees in providing resilience in a changing climate. Deadline: November 30, 2025.

<u>Tree City USA, Tree Campus Higher Education and Tree Line USA Applications Open</u>-These programs provide direction, public attention, and national recognition for urban and community forestry programs in thousands of towns and cities that more than 93 million Americans call home. Communities, colleges and utility companies must reapply annually to maintain their status in the program. **Applications are due December 2, 2025.**

Foundation for Environmental Education (FEE) - Education Awards-Applications are now open for the 2025–2026 FEE Education Awards, which recognize excellence in environmental education. This year's theme is "Healthy People on a Healthy Planet – Transforming Food Behaviors for Sustainability." Educators can apply in one of two categories: (1) Lesson Plan Competition or (2) Teacher Award. Deadline to submit applications is **March 27, 2026**.

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

The Lorrie Otto Seeds for Education (SFE) Program is now accepting applications for the 2026 planting season. Since 1996, this Wild Ones donor-supported initiative has awarded native plant grants to schools, nature centers, and youth programs across the country. These small grants, ranging from \$100 to \$500, help create pollinator gardens, rain gardens, prairies, monarch waystations, and more, all designed and maintained by youth. Deadline: **November 15.**

<u>Climate Resilient Farming Grant Program</u>- The State's County Soil and Water Conservation Districts (SWCDs) can apply now on behalf of farmers. Submit project proposals by 5:00 p.m. on **November 17.**

<u>Puffin Foundation Arts Projects</u>- The Puffin Foundation provides grants to emerging artists and arts organizations often excluded from mainstream opportunities. Funding is currently focused on projects in the areas of fine arts, music, and photography. The Foundation prioritizes art that educates and engages the public on topical issues such as climate change, healthcare, social justice, and civil rights. Deadline: **November 21.**

Behavior Change for Climate Action- Funds for 5 nonprofits will receive funds for project implementation and assistance. Climate areas of interest include but are not limited to: collective or individual actions on energy conservation, public action (e.g., policy support, volunteering, protesting, voting for politicians supporting climate action, food choices, tree planting, soil restoration, blue carbon restoration, renewable energy, and electrification of cars, trucks, buses. Applicable evidence-based behavior change include, but are not limited to, the following: Make it easy, Nudges/Choice Architecture; Prompts; Justification; Instructions; Rewards; Feedback; Social Modeling (social norms, block leaders, community interventions); Cognitive Dissonance; Commitments; Setting Goals; Games; and Tools to Counter Cognitive Biases. Deadline: November 21.

NYS Canal System Tourism Infrastructure and Events Grants- Offered by the New York State Canal Corporation and the Erie Canalway National Heritage Corridor, this year's funding will prioritize projects and events that are accessible to all community members, with a particular focus on addressing service and amenity gaps. Funding is open to counties, municipalities, units of local government, nonprofits and federally recognized Native American tribes located within the Canalway Corridor. Deadline: November 21.

WRI Funding Call for Research and Outreach-The NYS Water Resources Institute, in cooperation with the New York State Department of Environmental Conservation, is making funds available to New York State investigators for projects that support water resource management, policy, and outreach in New York. WRI encourages anyone interested in submitting a pre-proposal, to discuss the opportunity with them and pay close attention to the added appendices. Pre-proposals are due November 24, 2025, close of business.

<u>Patrick Leahy Farm to School Grant Program</u>- Grants from \$100,000 to \$500,000 increase the availability of local foods in Child Nutrition Program operations and connect students to the sources of their food through education, taste tests, school gardens, field trips, and local food sourcing for Child Nutrition Program meals. Grants can be used to launch new programs or expand existing efforts. Applications are due by **December 5, 2025.**

<u>Ecosystem Based Management - Stream Corridor Management Program</u>- New York State County Soil and Water Conservation Districts can apply. Submit project proposals by **4:00 p.m. on December 8.**

Northeast SARE Farmer Grant program provides funds to farmers to explore innovative concepts in sustainable agriculture conducted through experiments, surveys, prototypes, on-farm demonstrations or other research and education techniques. Projects should explore an innovative practice and/or introduce an existing practice to a new audience of farmers, benefiting the project leader and other farmers in the region. Projects typically range from \$5,000 to \$30,000, and there is a total of approximately \$800,000 available. Deadline: **December 9**.

<u>Tribal Recycling Grants</u>-The US EPA has just announced \$20 million in grant funding available for recycling including composting, for tribes and intertribal consortia. Deadline: **December 12, 2025.**

<u>Invasive Species Grant Program</u>- to advance projects that target aquatic and terrestrial invasive species across the state. Municipalities, academic institutions, and not-for-profits may submit up to two bids for eligible projects in the following categories: Aquatic Invasive Species Spread Prevention or Boat Decontamination; Terrestrial and Aquatic Invasive Species Rapid Response and Control; Terrestrial and Aquatic Invasive Species Research; and Restoration and Resiliency of Sites Impacted by Invasive Species. Bids are due by **3 p.m. on December 17, 2025.**

National Earth Science Teachers Association is committed to continuing the efforts of the NOAA Planet Stewards Education Project, supporting educators in building a more sustainable future. They are offering 10 grant opportunities of up to \$5,000 to support hands-on, action-based stewardship projects with elementary through college age students, as well as the general public. Deadline: **December 25.**

<u>Green Jobs for Youth Grant Round 2</u> -\$4 Million Available to Support Green Jobs for Youth in Environmental Justice Areas to help youth in environmental justice communities develop skills training and promote job placement in various green industries. Deadline: 3pm on **Jan. 28, 2026.**

<u>Dart Stormwater Grant</u>-Council of the Great Lakes Region is offering a grant to help communities purchase, install and monitor innovative stormwater filtration systems designed to capture and prevent land-based plastic litter, oil and sediment from entering our waterways and ultimately the Great Lakes, such as the LittaTrapTM and the Gutter Bin®. **Rolling until funding allocation**.

<u>Critical Material Innovation, Efficiency and Alternatives</u>-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**.

<u>T-Mobile Hometown Grant Program</u> - 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**

<u>The Story of Stuff Project Grassroots Grant Program</u>- 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**

<u>Community Heart & Soul Seed Grant</u> - 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.

<u>Groundswell Grants for Black Buffalo</u>- stabilization funds awarded to Black-owned and Black-led nonprofits and small businesses working in East Buffalo. Deadline: **Rolling.**

<u>The Karma for Cara Foundation</u> is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. Deadline: **Rolling.**

Ben and Jerry's Foundation National Grants- offers two-year unrestricted, general operating support grants of up to \$30,000 per year, with an average grant size of \$20,000 per year, to small (budgets under \$350,000), constituent-led grassroots organizations throughout the United States and its territories. These grants will support groups carrying out activities that address the impacts of inequity and injustice in their communities. Deadline: **Rolling.**

<u>Kauffman Foundation Grants</u>-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.**

<u>Toyota 4Good Grants-</u> Projects that are needed and will help contribute to the long- term sustainability of the community. 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**

<u>Power of Youth Summer of Service Grants</u> - 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**

<u>Climate Emergency Fund Grants</u> - 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**

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.**

<u>The Pollination Project Grants</u> 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**

<u>The Connect-Kids-to-Parks Field Trip Grant Program</u> 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.**

<u>H20 for Life Mini-Grants</u> 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**

<u>The Kars4Kids Small Grant Program</u> 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.**

<u>Avantor Foundation Science and Technology Education Grants</u> 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**.

<u>NIEHS Conference Grants</u>-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.**

<u>Saving Species</u>- 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.**

<u>Wells Fargo Clean Technology and Innovation Grant Program</u> 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**

<u>Youth Pollinator Gardens Grant</u>- 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.

<u>Cornell Douglas Foundation</u>- 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.**

<u>Cedar Tree Foundation</u>- Letters of Inquiry Accepted at Any Time. Areas: Environmental Education, Environmental Health, Sustainable Agriculture.

<u>Food Waste Grants</u> –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.**

<u>VolunTEEN Nation International Service Project Grants-</u> 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.**

<u>Everyday Young Hero Award</u>- 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**

<u>The Fruit Tree Planting Foundation</u> 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**.

<u>Doris Duke Environment Program Grants</u>-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**.

<u>WalMart Community and Education Grants</u>. 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.

<u>Environmental Research and Education Foundation</u>. 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.

<u>KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants</u>- 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**.

<u>J-Serve Start-Up Grants</u>-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**.

<u>Staying Bothered Foundation</u>-grants to nonprofits that have shown transformative leadership in the areas of education, mental wellness, and gender equity. Application deadline: **Rolling**.

<u>The Coca-Cola Foundation</u> partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. **Rolling deadlines**.

<u>Kresge Foundation's Healthy Environments grant program</u> 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**.

<u>Cisco Global Impact Cash Grants</u> 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**.

<u>Technical Assistance Grant Information</u>-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.

<u>Shell Foundation Grant</u>—Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling**.

<u>Home Depot Community Impact Grants</u>-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.

<u>Fluor Foundation Grants</u>—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.**

<u>Youth Outdoor Equity Leadership Fund</u>- 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.**

<u>Wayfinder Mini Grants</u>- to educators leading the way on environmental education. The mini-grants will range from \$100 – \$750 and are unrestricted. Deadline: **Rolling.**

Employment and Internship Opportunities

Geographic Information Systems Internship-paid with Erie County Dept. Environment and Planning. Deadline: Nov. 15.

Manager of Nature Center, Genesee Country Village & Museum

ECLIPSE (Erie County Low-Income Program for Sustainable Energy) Program Intern Position - We are looking for a great communicator to help our residents enroll in a new energy savings program. Responsibilities include public outreach at community events, and enrollment support via phone and email. Send an email to this link to learn more and apply for this position. CleanEnergyIntern@erie.gov. Deadline: Nov. 15.

Educator and Program Coordinator-Botanical Gardens.

Volunteer Coordinator (PT, 25 hours/week)-Botanical Gardens

NYS Sustainable Materials Management (SMM) Stewardship Internship- Fall and Spring

Zoological Manager-Buffalo Zoo.

Senior Program Manager for Double Up Bucks-Field and Fork Network.

Digital Communications Manager-Field and Fork Network.

Animal Care-part time hourly-Erie County SPCA

Community Educator-Erie County SPCA

Humane Educator-Erie County SPCA

EcoVerde Organic Compost Crew Member/Driver/ Laborer- Full-time & Part-time available

<u>Paid White House Internships</u>- numerous council opportunities, varied deadlines.

Sustainability Intern: Gibraltar Steel

<u>Aquarium of Niagara Internships</u>-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

<u>Paid Internships in the Energy Sector in NY</u>- 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.

<u>Clean Air Coalition Internships</u>-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.

<u>Service Collaborative of Western New York Vista Positions/Americorps</u>-Opportunities for paid community involvement. Check out the available opportunities and eligibility.

<u>Buffalo & Erie County Botanical Gardens Internships</u>-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

<u>EquiStar Intern</u> will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions.

<u>Asha Farm Sanctuary Interns</u>- 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.

<u>Hemlock and HWA Hunters</u>-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu orcninfo@nyshemlockinitiative.info.

<u>EPA Citizen Science Database</u>-offers a searchable site for ways the public and EPA can partner to collect environmental information.

<u>Tree Pictures for NASA Data Verification</u>- 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.

<u>Record Your Squirrel Observations</u>-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:

Saturday, November 1

Crafting Cordage -10am. Learn how to identify and harvest dogbane for cordage in this hands-on workshop celebrating Haudenosaunee ethnobotany—the study of how plants have been traditionally used for food, medicine, and other purposes. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Wildlife Signs Hike-10:00am-12:30pm at Waste Management Nature Preserve, Chaffee. Come join Earth Spirit Staff for our FREE hike at Waste Management's Nature Preserve. We will adventure along the trail system in search of wildlife and their signs, such as tracks, scat, and shelters! During this program, we will be collecting data as part of an ongoing wildlife survey of the preserve. **REGISTER**

Master your garden series: Art of Growing Hydrangeas-10am at Cornell Cooperative Extension Orleans County 12690 State Route 31, Albion, New York. All classes will be held at Orleans County CCE in the Education Center. Class size is limited, pre-registration is required. Suggested donation: \$5 per class. Register by calling 585-798-4265 or emailing klo54@cornell.edu. The Art of Growing Hydrangeas November 1 Presenters: MG Noelle Wiedemer & MG Sue Starkweather Miller. The Art of Growing Hydrangeas - 7 Ps for Success: Planting, Pampering, Preventing Pests, Propagating, Pruning and Preserving Your Hydrangea Plant.

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

Chores & Chuckles at Pelion-10am to 1pm at 212 Best St, Buffalo, NY, United States, New York 14209. Join us the first Saturday morning of each month for some gardening chores and accidental fun. Tasks vary but may include: weeding, watering, light carpentry, planting, harvesting, collecting seeds, starting seed trays, turning soil/compost, transplanting, raking, deadheading, putting up groundhog deterrent fencing, pruning trees and shrubs. Bring your favorite work gloves and water bottle. Sessions are 2hrs. Individuals do not have to signupjust show up. Stay for an hour or the whole session. Info.

Tree Planting with Re-Tree- Community wide effort. Volunteers must attend tree planting seminar on Oct. 25 and registration info will be available after that date at https://www.buffalogreenfund.org/tree-planting-workshop

Leaf Litter Exploration: Chestnut Ridge Park -10:00am - 12:00pm at <u>Chestnut Ridge</u> - Chestnut Ridge Park, Deputy Commissioners Cabin/ XC Ski Trailhead. Join Ranger Nikki for a walk in the woods getting our hands dirty digging through some leaf litter! Come prepared for log flipping and hands on interactions with bugs and worms of all kinds! Let's explore what is below our feet that goes unseen! <u>Register.</u>

Outdoor Skills-10:00 AM - 12:00 PM at <u>Evangola State Park</u>. Learn to build an emergency shelter from natural materials and practice navigation and fire building techniques. For adults and children aged 8 and older. Registration Required on <u>Eventbrite.com</u>.

But that doesn't look like a flower!- 2:00 PM - 03:30 PM at <u>Reservoir State Park</u>. Join us for a stroll along the accessible pathway around Reservoir State Park in search of flowers in transition for the winter! Registration required on <u>Eventbrite.com</u>.

Goat Island Sunset Saunter-5:00 PM - 06:30 PM at <u>Niagara Falls State Park</u>. Enjoy a leisurely walk around Goat Island during golden hour for spectacular views of the Falls and later the illumination! Registration required on <u>Eventbrite.com</u>.

Bird Friendly Backyards-10:00 AM to 11:30 AM at Trillium Nature Center at Beaver Meadow. Learn How to protect your windows from bird strikes! Make and take home a paracord window treatment that you can install at home! Measure one of your windows at home and bring the dimensions of the visible glass with you on November 1st. Registration is Free!

All Potholes Eve VI: Día de los Muertos Ride- Join us on the Day of the Dead for a limited-capacity, 13-mile guided ride through Buffalo's most eerily decorated homes! Meet: 4:30 PM, Ride: 5:00pm. BriarBrothers

Brewing Company (50 Elk Street, Buffalo, NY 14210). Donation: \$31 with all proceeds supporting Slow Roll Buffalo, helping keep Monday night rides free for everyone. GET TICKETS HERE

Great Tales of the Great Lakes-2pm, Central Library. Why is the story of a ship tragedy on Lake Erie known to every German school child? From weather to history to heroics, join Erie County historian, Doug Kohler, for a look at the impact of the Great Lakes on WNY. <u>Register.</u>

Sunday, November 2

Climate Advocate Training Workshop- 2pm. Will focus on climate communication skills and lobbying. We'll help you find your role to hit the ground running. In this interactive workshop, you will: Learn the basics of becoming an effective climate advocate by reviewing CCL's structure, mission, purpose, and methodology for creating a political will. Practice appealing to the best in others and building common ground. Learn how to develop constructive relationships with elected representatives and practice our lobbying methods. Practice storytelling and a mock lobby meeting to put your new skills to use! Register.

Volunteer: Putting Beds to Bed-10am to noonWe need extra hands to prepare the Broadway Community Garden beds for winter. No experience necessary. We'll provide all of the tools needed to get the job done. We just need you! <u>RSVP to volunteer by clicking here!</u> This event will primarily take place outdoors. In the event of inclement weather, a rain date will be provided via email to all those who have RSVP'd. Indoor bathrooms are available. Ample street parking can be found outside the garden, on both Hickory Street and Broadway.

Monday, November 3

Intro to Backyard Astronomy-1pm at Grand Island Golden Age Center. This program is an introductory course featuring the many night-sky wonders you can observe from your own backyard. Topics will include background and terms useful for understanding the night skies, types of equipment generally available for viewing, and how, what, and why objects can be observed. Register.

 $\textbf{Outdoor Observers Club-} \ 6\text{-}7pm \ \text{at Clearfield Library, Amherst. Teens \& Adults welcome! Age 10\text{-}15 w/ an adult. Call 716\text{-}688\text{-}4955 to Register!}$

Climate Conversations: Science Policy Crossroads- 10 to 10:40am. Join for a discussion on how science is incorporated into policymaking. <u>Register.</u>

"Sex and symbionts: Evolutionary genomics of terrestrial isopods"- Buffalo State Biology Seminar from 3 to 4:15pm at Science and Mathematics Complex 151, Buffalo State University. Presenter: Dr. Chris Chandler.

Tuesday, November 4

"Botanical Outlaws: Thieves, Parasites, and Carnivores." - Niagara Frontier Botanical Society Meeting, 7:30 p.m. on the at the <u>Harlem Road Community Center, 4225 Harlem Road</u>, Speaker will be **Wayne Gall**, current NFBS president. Wayne has previously been Curator of Entomology at the Buffalo Museum of Science and Regional Entomologist for NYS Dept. of Health. He is also an avid botanist and has been a leader at Allegany Pilgrimage for many years.

Adoption of Reuse in Federal and State Food Code Guidance-1 to 2:30pm. Have you ever asked yourself while at a restaurant: Can I refill my own drink or food container? Can a restaurant refill a container? We will answer these questions and more, as speakers discuss the permissivity of reusable containers in foodservice as noted in federal and state level food codes. Learn about the new U.S. Food and Drug Administration's federal food code supplemental guidance addressing reuse and why it is critical that all states adopt it. Register.

Urban Wildlife: Seneca Bluffs Natural Habitat Park-10am to noon at

Seneca Bluffs Park on Seneca St at the Buffalo River (park in main parking lot). Join Ranger Roy for a chance to learn about and possibly see some urban wildlife. Believe it or not, Seneca Bluffs usually has several deer hanging around a few hundred feet from Bailey Avenue and I-190. Some years there are elusive and beautiful wild turkeys. We will discuss and compare urban and rural habitat and how species adapt. Register.

IMAGINE Buffalo Speaker Series: Beth Fronckowiak- Virtual. Join us on Tuesdays at 12:30pm via Zoom for the IMAGINE Buffalo Speaker Series! Beth Fronckowiak from Buffalo-Toronto Public Media will discuss "Liberty & Legacy: Exploring the Revolution in Western New York." Zoom link

Wednesday, November 5

Greater BN Regional Transportation Council's (GBNRTC) Meeting- 1:00 PM. The meeting will be held in person at The Buffalo History Museum (Auditorium) located at 1 Museum Ct, Buffalo, NY 14216. For those unable to attend in person, a virtual option will be available via <u>Facebook Live</u> as well as via <u>webinar link</u>.

Full Moon Hike-Join us for a full moon (Beaver Moon) hike at Trillium Nature Center at Beaver Meadow Nature Preserve. We will enjoy the stillness of the night lit up by a full moon. Snacks will be served on the trail. Distance: ~3 miles. The weather date is 11/6. Register and info.

Full Moon Walk-6pm. Celebrate the Beaver Moon with a guided walk. Fun for the whole family! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Knowledge for the Public Good Workshop-12:30 to 2pm at Roswell Park Community Outreach and Engagement Center, 907 Michigan Ave, Buffalo, NY 14204. Erie County Budget 2026. <u>Register.</u>

"Watt's Up with Your Electric bill?" - 2pm - 3pm at Amherst Sr. Center. Curious about how your electric bill works—and how to reduce it? Join us for a free, easy-to-understand class designed especially for seniors. Bring a recent electric bill with you! We'll use it as a hands-on example so you can leave feeling informed and confident. *Registration is required for the workshop, but not to visit the ECLIPSE table for enrollment support! Registration will become available here: Current Classes | University Express, 370 John James Audubon Pkwy. Amherst 14228

Conservation Conversations Speaker Series: Land Trust 101—7 to 8:30pm at Blackrock Harbor Center, 52 Amherst Street, Buffalo 14207. A space to learn, connect, and spark discussion about the future of Western New York's waterfronts. Land Trust 101 features our Executive Director, Tracy Fletcher, and our BNRLT Board President, Matt Fitzgerald. Register.

Cultivating Change Together: A Place-Based Approach to Sustainable and Resilient Agriculture-11am ET, Online. As global food system faces increasing challenges such as climate change, soil degradation, and biodiversity loss, efforts that enable supply chain collaboration and place-based action are essential for meaningful large-scale change. This webinar will explore how working together within a defined region can incentivize sustainable and regenerative farming practices, support companies in reaching their sustainability goals, and create a resilient agricultural ecosystem. Register.

Identification and Management of Invasive Vine Species- 1 to 2pm. In this webinar, Chris Evans (Extension Forester – University of Illinois Urbana-Champaign) will discuss the biology, impact, and management of some common invasive vines including roundleaf bittersweet, kudzu, Japanese honeysuckle, Chinese yam, and wintercreeper. Advanced registration is not required. <u>Click here to join the event.</u>

Full Beaver Moon Walk-7:00 PM - 08:30 PM at <u>Knox Farm State Park</u>. Enjoy the largest supermoon of the year on this guided night walk focusing on animals preparing for winter. Adults only. Registration required on <u>Eventbrite.com</u>

Batteries Everywhere-1pm. Join us for a lively discussion about rechargeable batteries and how to safely charge, use, and dispose of them. Town of Aurora Senior Center, Register

Intro to Backyard Astronomy-2pm at Lancaster Senior Center. This program is an introductory course featuring the many night-sky wonders you can observe from your own backyard. Topics will include background and terms useful for understanding the night skies, types of equipment generally available for viewing, and how, what, and why objects can be observed. Register.

Intro to Backyard Astronomy-6:30pm at Elma Public Library. This program is an introductory course featuring the many night-sky wonders you can observe from your own backyard. Topics will include background and terms useful for understanding the night skies, types of equipment generally available for viewing, and how, what, and why objects can be observed. Register.

Good Gardening & Eats: Canning Basics-3pm online. Essential canning tools & equipment, Step-by-step process for safe, delicious preserves, Tips to avoid common canning mistakes, How to turn summer produce into winter flavor. Register.

Plastics Reduction Partner Program-1pm. Join this webinar to learn more about National Wildlife Federation's "Plastics Reduction Partner" certification program. The Plastics Reduction Partner program has three levels of certification available: Bronze, Silver and Green. The Partner program offers a comprehensive framework organized in four action areas: building awareness, supporting behavior change, assessing and implementing operational change, and demonstrating institutional leadership. The certification is free to participate in, eligible for AASHE STARS credit, and is an action of the #BreakFreeFromPlastic movement. Register.

NY Sierra Club Legislative Call-6pm to update supporters on the state's most pressing environmental issuethree bills the legislature passed this year that are awaiting the Governor's signature. <u>Join call</u>

Thursday, November 6

Bike Volunteer Night- 5 to 8pm at 98 Colvin every first Thursday. Put your own bike aside. On Thursdays, we invite everyone to 98 Colvin to work on kids bikes donated to us so that we can get them back out into the hands of those kids who need them most. https://gobikebuffalo.org/volunteer/

Intro to Backyard Astronomy-1pm at Orchard Park Senior Center. This program is an introductory course featuring the many night-sky wonders you can observe from your own backyard. Topics will include background and terms useful for understanding the night skies, types of equipment generally available for viewing, and how, what, and why objects can be observed. Register.

Wellness Walks-10am to noon. Drop by Tifft 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.

History of Transportation in Buffalo-2pm, Elma Library. Explore the history of roadways in the Buffalo area from footpaths to the Modern Roundabout. We will discuss contributions from significant citizens from Joseph Ellicott to Frederick Law Olmsted, as well as the evolution of major thoroughfares in Buffalo. <u>Register.</u>

Family Full Moon Hike- 6:30 to 8pm at Tifft Nature Preserve. Enjoy an evening outdoors with a guided, tranquil stroll in search of wildlife beneath November's (almost) Full Moon. No headlamps, video, or flash photography please. All ages, Advance registration required, Tickets: \$11; BMS Members receive 10% off.

Orchard Park Garden Club: Homemade Herbal Health Benefits-11:30am. American Legion Hall 5784 Ellis Rd., Orchard Park. Will be presented by Sherry Stressing, owner of Back Porch Produce. She will share herbal benefits including her own Elderberry Syrup. Guest are welcome.

Beekeeping 101- 6 to 7pm at Botanical Gardens, 2655 South Park Ave. Thinking of becoming a beekeeper? This is the place to start! We'll cover all of the basics you *need* to know before deciding to get your first hive, plus everything you'll *want* to know before you bring your bees home. This lecture is designed to help beginners filter through all of the beekeeping information that is available out there. <u>Tickets.</u>

Gardening Myths: Fact vs. Fiction- Noon to 1pm. The Genesee County Master Gardeners will be continuing their monthly Garden Talk programs through the end of this year. This free series can be attended in person or via Zoom. it is open to all but you must register to attend. Think you need to water your plants every day or add gravel to the bottom of your pots? Think again! Join us for a lively, science-based discussion where we'll bust some of the most common (and surprising) gardening myths. Learn what really works in the garden — straight from research-backed sources like Cornell Cooperative Extension! Call 585-343-3040 ext. 101 to register to attend in-person OR for online at link; https://cornell.zoom.us/meeting/register/gM6krhTjTBGgIPEkuV-DYA

Toddler Time: Bear Snores On-10:00 AM - 11:30 AM. Meet inside Nature Center. Join us at Beaver Meadow as we read Bear Snores On. We will graft our own caves, enjoy a tasty snack, and explore the woods for animals that may hibernate, like Bear! Buffalo Audubon Members - \$10.00, General Admission - \$20.00, Register.

The East Side Trails Public Meeting-6pm. The project will connect neighborhoods, parks, and transit hubs across Buffalo's East Side with safe, welcoming walking and biking paths. Join us at the Northland Workforce Training Center (Community Room 126, entrance A) to learn how these new connections will bring more access and opportunity to our community. Representatives from LaBella Associates, GObike, and the City of Buffalo will be on hand to share project info and facility design renderings, and to answer questions from the community.

Friday, November 7

What's Bugging You? Understanding Indoor Cockroaches- 12 to 12:30pm. Each month, experts from Cornell's College of Agricultural and Life Sciences will share practical information and answer questions on using integrated pest management (IPM) to avoid pest problems and promote a healthy environment. At the end, there will be an IPM Minute to cover a specific action you can take in the next few days to help you avoid pest problems. Register to attend.

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. Binoculars are available. Buffalo Audubon Members – Free, General Admission - \$10.00, Register.

"Watt's Up with Your Electric bill?" – 12:30pm at Lancaster Sr. Center. Curious about how your electric bill works—and how to reduce it? Join us for a free, easy-to-understand class designed especially for seniors. We'll break down how to read and understand your electric utility bill, your rights as a residential electric customer, community solar is and how it can help you save money (without installing panels on your home!) and the Erie County ECLIPSE Program which helps residents reduce electricity costs. Bring a recent electric bill with you! We'll use it as a hands-on example so you can leave feeling informed and confident. *Registration is required for the workshop, but not to visit the ECLIPSE table for enrollment support! Registration will become available here: Current Classes | University Express, 370 John James Audubon Pkwy. Amherst 14228

Buffalo Geological Society Meeting-7:30pm. 100 Lee St, Buffalo.

First Friday: watershed-11am to noon at Audubon Community Nature Center 1600 Riverside Rd., Jamestown. Bethany O'Hagan from Chautauqua Watershed Conservancy will present "'How Does a Watershed Affect You?". The cost is \$8 for the public and \$6 for Nature Center members and children ages 9–15. Reservations are appreciated: Call (716) 569-2345 or click through <u>AudubonCNC.org/events</u>. Walk-ins are welcome.

Saturday, November 8

Cranksgiving- 10am. Foodraiser for the needy. We gather at Essex Street Art Center and go out into the city on a food scavenger hunt with shopping lists, checkpoint challenges, and awards for time, costumes, team names, and heaviest hauls. Beer and pizza after! Of course! Find out more by registering (for free) on our website.

Teams are encouraged! And limited to 4 people per team! PLEASE register in advance to help us out.

Fabulous Fungi-11am. Join a mushroom enthusiast on this beginner-friendly walk as we attempt to identify as many mushrooms as possible. For ages 12 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Buffalo Bonsai Society- 1pm. STEM Building, Erie Community College North Campus 6205 Main St., Amherst, New York. Intro to Bonsai. https://www.buffalobonsaisociety.com/monthly-meetings.html

Dare to Repair Café- 11am to 2pm. Ellicott Creek - The Friendship Building. Dare to Repair Cafe are pop-up community events where individuals can bring broken items and have a team of volunteer fixers try to repair the item alongside them for free! Current repair categories include, electronics, bicycles, computers, sewing machines, clothing, and textiles. Please no gas powered items or TVs. Register for Dare to Repair Cafe

Squash Chop'N-Drop-10am to noon. BPS195: Pelion Community Garden at City Honors 206, 208, 210, 212 Best Street, Buffalo, NY, Destroy for good! Pelion Outdoor Classroom will be smashing the squooshy jack-olanterns, pumpkins, gourds, corn stalks and compostable treasures left over from Halloween. Bring your own pumpkins, wear clothes you don't mind getting dirty, and help fertilize the outdoor garden! Bagged leaves and/or veggie scraps are also needed. We will show you how to close your veggie beds for the season and create a FEAST for your worms to replenish your soil all winter. Details and RSVP on Facebook at: https://www.facebook.com/events/1014407066864970

Gorge at Low Water-10:00 AM - 03:30 PM at Whirlpool State Park. Autumn is a great time to hike! Join us and enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. This hike is challenging (stairs and scrambling over rocks.) Registration required on Eventbrite.com.

Art in the Park: Fall Luminary Jars-1:00 PM - 02:00 PM at <u>Knox Farm State Park</u>. Enjoy a seniors (62+) program to create your very own unique nature inspired art in the park! Registration required on <u>Eventbrite.com</u>.

Niagara Gulls: ArtPark Gorge Trails-10:00 AM to 12:00 PM. Meet at Gorge Trail Lot. Fall is here and the Gulls are returning to the Niagara River! Join Buffalo Audubon Senior Naturalist Tom Kerr and learn all about these amazing birds and why the Niagara River is so important. Buffalo Audubon Members - \$10.00, General Admission - \$15.00, Register.

Seeds for Thought Book Discussion-1 to 2pm at Hulbert Library in Concord 18 Chapel St., Springville. Join the Buffalo and Erie County Public Library to discuss a variety of topics on the theme of sustainability with a quarterly book club. Join us as we gather to discuss a variety of topics on the theme of sustainability with our quarterly book club! Engage in discussions that not only enrich our understanding of nature and the environment but also catalyze tangible actions for positive change. November's book is *The Indigenous Peoples' History of the United States* by Roxanne Dunbar-Ortiz. Reexamining American history from Indigenous perspectives, this book reveals the impacts of colonization, resistance, and resilience of Native communities. It challenges traditional narratives, showing Indigenous survival as central to the nation's story. No registration necessary - free and open to all.

Talk on Forest Tax Law-9 to 11:30am at Cattaraugus County Cooperative Extension 28 Parkside Dr., Ellicottville. Cornell Cooperative Extension in Cattaraugus County is partnering with New York Forest Owners Association for this event. Chris Enser, state forester from the New York State Department of Environmental Conservation, will explain details of the program, answer questions, and help woodland owners decide if the program meets their needs. Registration is appreciated but not required for this presentation. Sign up at https://reg.cce.cornell.edu/NYFOAFallWorkshop_258

Poinsettia Tour at Lockwoods- 10am and 1pm at Lockwood's Garden Center 4484 Clark St., Hamburg, NY. Steve Lockwood has been growing poinsettias at Lockwood's for over 30 years and now he will guide you through the greenhouses and show you how they are grown. Along the way he will give you tips on how to grow poinsettias at home. This tour is free to attend. Please register by calling the store at 716.649.4684 or email orders@weknowplants.com.

The Niagara Frontier Orchid Society- 10am to 4pm at the Buffalo and Erie County Botanical Gardens for a spectacular showcase of award-winning orchids from across the region. Meet with expert orchidists to learn about the process of growing these beautiful flowers. For information and to purchase tickets go to: https://www.buffalogardens.com/events/orchid-show/event/2025-11-08/

BWELL Book Swap- 12PM - 2PM at Beer Kind, 2765 Kenmore Ave, Tonawanda. Calling all book lovers! Have a book you love that you want to share? Need to make more space on your shelf for a new book? Join us for a drink and a book swap! Bing a book, have a drink, have a chat, and take a book!

Sunday, November 9

Nature Kahoot!- 10:00 AM - 11:00 AM at <u>Niagara Falls State Park</u>. Join us for an indoor program to go head-to-head against other players and test your knowledge of the local flora and fauna. Registration required on <u>Eventbrite.com</u>.

The Niagara Frontier Orchid Society- 10am to 4pm at the Buffalo and Erie County Botanical Gardens for a spectacular showcase of award-winning orchids from across the region. Meet with expert orchidists to learn about the process of growing these beautiful flowers. For information and to purchase tickets go to: https://www.buffalogardens.com/events/orchid-show/event/2025-11-09/

Urban Wildlife: Seneca Bluffs Natural Habitat Park-Meeting Location: Seneca Bluffs Park on Seneca St at the Buffalo River (please park in main parking lot). Join Ranger Roy for a chance to learn about and possibly see some urban wildlife. Believe it or not, Seneca Bluffs usually has several deer hanging around a few hundred feet from Bailey Avenue and I-190. Some years there are elusive and beautiful wild turkeys. We will discuss and compare urban and rural habitat and how species adapt. Register for Urban Wildlife ~Seneca Bluffs Natural Habitat Park

Monday, November 10

Intro to Backyard Astronomy-1pm at City of Tonawanda Public Library. This program is an introductory course featuring the many night-sky wonders you can observe from your own backyard. Topics will include background and terms useful for understanding the night skies, types of equipment generally available for viewing, and how, what, and why objects can be observed. Register.

Outdoor Observers Club- 6-7pm at Clearfield Library, Amherst. Teens & Adults welcome! Age 10-15 w/ an adult. Call 716-688-4955 to Register!

Tuesday, November 11

Forest Seminar: Fundamentals of Oak Management-Webinar at noon and 7pm. Free. Learn about the ecology of Mid-Atlantic mixed-oak forests, including regeneration challenges, site quality factors, and key traits of major oak species. Register.

ADK-NFC: Erie Canal Bicentennial-6:15pm. Amherst Community Church 77 Washington Highway, Amherst, NY. Adirondack Mountain Club-Niagara Frontier Chapter (ADK-NFC). (Washington Hwy. is across from Daemen University, 4380 Main St., Amherst, NY 14226). The next meeting starts at 6:15 p.m. with a program on how to make a proper first aid kit. The main program at 7:30 p.m. features the Buffalo History Museum's program for the 200th year anniversary of the opening of the Erie Canal.

Volunteer: Tool Sharpening and Maintenance- 6 to 8pm. As our gardens begin to hibernate, our work moves indoors! Help us care for our garden tools as we identify and repair those in need of sharpening or a little love. RSVP to volunteer by clicking here! No experience is necessary! We'll teach you what you need to know.

Wednesday, November 12

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

Buffalo Ornithological Society: Niagara River Ecological Enhancements-7pm at Cummings Room, Science Museum. Erin Redding from the DEC will discuss ongoing regional efforts to revitalize the Niagara River. Her presentation will cover the Niagara Power Project relicensing and associated mitigation projects, which include habitat improvement projects at Motor and Strawberry Islands. She will also discuss ecological enhancements along the Niagara River Greenway and within the Niagara River Area of Concern.

Citizens' Climate Lobby Monthly Chapter Meeting- 6 to 7pm in the Buffalo Central Library (Gallery Conference Room, 1 Lafayette Square, 14203) and on Zoom. Katmt23@gmail.com for Zoom link.

Hamburg Garden Club-10am at VFW Post 1419 Hamburg 2985 Lakeview Road, Hamburg. Carol Ann Harlos, a retired math and science teacher, Master Gardener, bee keeper, author and public speaker, will present "I'm for the Birds." Guests are welcome. If you are interested in joining the meeting, please make your reservation at lonabutler4@gmail.com

WNY Stormwater Coalition Meeting- 1 to 3:30pm. In person and via zoom. Please contact Mary MacSwan at mary.macswan@erie.gov for meeting details.

North Tonawanda Botanical Garden quarterly meeting-6pm at the North Tonawanda Botanical Garden Greenhouse, 1825 Sweeney Street. The public is invited.

Thursday, November 13

Skull Science-4:30pm. Become a skull scientist for the day! Hold a coyote skull, compare the size of a cow skull to your own, and learn to identify some common skulls you may find in Western New York. Finish the program by modeling a skull of your choice with air-dry clay. \$5 fee/free for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Green Drinks-5:30pm at Mortalis Brewing (1250 Niagara Street, Buffalo. NY). The event is also listed on <u>Facebook</u> and on the <u>Green Drinks webpage</u>.

Beyond the Brink-1 to 2:30pm. Online event with Rob Hopkins, founder of the Transition Town Movement and author of *How to Fall in Love with the Future*, and Jacqui Patterson, Executive Director of The Chisholm Legacy Project, and 2024 *Time* "Woman of the Year" for her climate leadership, to discuss what our collective future could possibly hold. <u>Register.</u>

Owl Prowl at the Fort-05:30 PM - 07:00 PM at <u>Fort Niagara State Park</u>. Learn about the common owls found in the area while taking a walk through the trails at Fort Niagara in hopes of seeing these birds in action. Registration required on Eventbrite.com.

"Ripples of Plastic" Film Screening-Join Rights of Nature WNY for a documentary about microplastic pollution in the Great Lakes, hosted by EarthCare Animal Ministry of Unity Buffalo at 1243 Delaware Ave in Buffalo from 6-7:30p. We will then discuss the Rights of Nature and how we can advocate for the Great Lakes and State Waters Bill of Rights, which would recognize the legal rights of all waterways, land, and communities in NYS to "exist and flourish". RSVP here and share with friends!

Forces of Nature-5pm at Lancaster Senior Center. From earthquakes and hurricanes to wildfires and tsunamis, this class will explore the powerful natural forces that shape our planet. Learn what causes them, how scientists study and predict them, and how communities prepare and respond. <u>Register.</u>

"Watt's Up with Your Electric bill?" – 1pm at Dorothy Collier Community Center. Curious about how your electric bill works—and how to reduce it? Join us for a free, easy-to-understand class designed especially for seniors. We'll break down how to read and understand your electric utility bill, your rights as a residential electric customer, community solar is and how it can help you save money (—without installing panels on your home!) and the Erie County ECLIPSE Program which helps residents reduce electricity costs. Please bring a recent electric bill with you! We'll use it as a hands-on example so you can leave feeling informed and confident.
*Registration is required for the workshop, but not to visit the ECLIPSE table for enrollment support! Registration will become available here: Current Classes | University Express, 370 John James Audubon Pkwy, Amherst 14228

The Electric Light Bulb. How the World Was Illuminated: From Edison to Tesla to the LED-2pm at Eden Library. In this dynamic, visually rich, digitally projected Lecture, we will trace the fascinating history of humankind's development and use of incandescence, fluorescence, and our current employment of the new technology of Light Emitting Diodes. Enjoy and learn from live demos (such as an authentic Tesla Coil) that will explicate the science in an easy-to-understand fashion. Register.

Upending Assumptions About Life On Earth- 7pm. Dr. Sol M. Gruner, John L. Wetherill Professor of Physics Emeritus, Cornell University joins Science in the Virtual Pub. The discovery of living organisms in deep rock has upended assumptions about life on Earth. Deep Life lives on residual chemical and radioactive energy sources and is a significant fraction of Earth's biomass. The existence of Deep Life raises profound questions: Where and when did life evolve? What are the temperature and pressure limits of microbiota? How long can a cell live before dividing? If non-DNA based life exists deep in rock, would we know it? The talk will examine these questions in a historical context with emphasis on how little we understand about our planet. Register.

Wellness Walks-10am to noon. Drop by Tifft 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.

Stopping the Polluter Playground-7 to 8:15pm. Learn how fossil fuel industry influences our air and water quality. https://www.youtube.com/@NationalSierraClub/streams

Extended Producer Responsibility (EPR) Principles in the Great Lakes region-11am. This introductory webinar will outline EPR principles, their importance, and their implementation in the U.S. and Canada. Speakers will explain how EPR shifts waste management responsibility from governments to producers, share case studies, discuss benefits and stakeholder roles, address common misconceptions, and conclude with a Q&A. Register

Friday, November 14

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.

Great Tales of the Great Lakes-1:15pm, Akron-Newstead Senior Center. Why is the story of a ship tragedy on Lake Erie known to every German school child? From weather to history to heroics, join Erie County historian, Doug Kohler, for a look at the impact of the Great Lakes on WNY. <u>Register.</u>

Prescriptive Decarbonization Solutions for Mid-Transition-2pm at 212 O'Brian, North Campus of UB or via Zoom. Dr. Singh will present case studies on developing place-based, equitable, and affordable decarbonization solutions for the transportation and electricity sectors—two of the world's largest sources of greenhouse gas emissions and air pollution.

Nature's Best Hope- 6-8pm at 190 Norton Hall, North campus UB. Free, but limited capacity. Get your Free Tickets <u>HERE</u>. Doug Tallamy will discuss simple steps that each of us can- and must- take to reverse declining biodiversity on our own properties and will explain why we, ourselves, are nature's best hope. Zoom option.

Buffalo Astronomical Association Meeting- 7 to 10pm. For info: https://www.buffaloastronomy.com/contact/

Saturday, November 15

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

Putting the Beds to Bed-10am to 1pm. Pelion Community Garden at City Honors 206, 208, 210, 212 Best Street, Buffalo, NYThe Tool Library and friends are headed to Pelion Outdoor Classroom for their final Fall Service Day. Help Pelion Outdoor Classroom put the garden to bed for the winter and check out one of Buffalo's most magical outdoor spaces. Tools, gloves, refreshments, and smiles will be provided. Volunteers will be asked to register via QR code. Pre-register here: https://thetoollibrary.org/service/

Owls of Reinstein Woods-7pm. Learn about the owls that live here during a nighttime adventure in search of these nocturnal birds. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Seeds to Splendor: Vegetative Reproduction Cuttings and Grafts-10am to noon at Cornell Cooperative Extension Orleans County 12690 State Route 31, Albion. Create genetically identical specimens of your most cherished plants. Learn the skills of Propagation from cuttings and creating grafts. You'll discover how to select optimal plant material, prepare your cuttings and grafts, manage environmental conditions, and nurture new plant growth across a variety of species and horticultural contexts. All classes will be held the third Saturday of the month at Cornell Cooperative Extension, Education Center, Harrington Classroom, 12690 State Rte. 31, Albion, NY 14411. Suggested donation is \$5. To register, call 585-798-4265 or email klo54@cornell.edu.

Gorge at Low Water-10:00 AM - 03:30 PM at Whirlpool State Park. Autumn is a great time to hike! Join us and enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. This hike is challenging (stairs and scrambling over rocks.) Registration required on Eventbrite.com.

Observing Nature Like a Naturalist-11:00 AM - 12:00 PM at <u>Artpark State Park (Earl W. Brydges)</u>. Come explore different methods used by experienced naturalists on observing nature. Put those methods to use on a nature walk with an educator. All materials provided. Registration required on <u>Eventbrite.com</u>.

Harvest Soap Making-1:00 PM - 02:00 PM at <u>Evangola State Park</u>. Unleash your inner artisan at Evangola State Park! Make your own soap using a glycerin soap base and fun molds. Children 8+ with parent/guardian supervision. Registration required on <u>Eventbrite.com</u>.

Textures of Tradition- 1 to 3pm at Trillium Nature Center, Beaver Meadow. Join special guest Seneca Nation Elder Marve Jacobs for a Haudenosaunee Thanksgiving address and Three Sister's talk. Buffalo Audubon Members – \$10, General Admission – \$15, Register.

Small forest owners: learn about new program- 9 to 11:30am at Cattaraugus County Cooperative Extension 28 Parkside Dr., Ellicottville. If you own minimums ranging from 30 acres to 100 acres of forested property, you can learn about a relatively new program now available: Forest Carbon Programs. Since trees absorb carbon dioxide from the air and store it in their branches, trunks, and roots, they are recognized as an important tool in combating climate change. This is another characteristic of forests that make them a valuable asset. Register.

Sunday, November 16

Introduction to Geo-Caching-10:00 AM - 11:30 AM at <u>Knox Farm State Park</u>. Learn how to use your smartphone to find geocaches to solve nature mysteries. Registration available on <u>Eventbrite.com</u> but not required.

Gratitude Nature Walk-2 to 3:30pm at Tifft Nature Preserve. Get ready for a season of thanks with a casual guided tour of the beautiful autumn trails! We'll search for signs of wildlife while also taking time to savor the natural gifts of the season. All ages, <u>Advance registration required</u>, Tickets: \$11; BMS Members receive 10% off.

Monday, November 17

Batteries Everywhere-1:15pm at Akron-Newstead Senior Center. Join us for a lively discussion about rechargeable batteries and how to safely charge, use, and dispose of them. Register.

Outdoor Observers Club- 6-7pm at Clearfield Library, Amherst. Teens & Adults welcome! Age 10-15 w/ an adult. Call 716-688-4955 to Register!

"Collective decision making in ant colonies"- Buffalo State Biology Seminar from 3 to 4:15pm at Science and Mathematics Complex 151, Buffalo State University. Presenter: Dr. Takao Sasaki.

Hazardous Materials in the Waste Stream: Impacts and Mitigation Strategies Webinar-1:30 - 3:00 PM ET Register Now (Free). This webinar will explore the rising risks posed by hazardous materials, including lithiumion batteries and pressurized tanks, across waste and recycling.

Riverline Fall Celebration- 5:30 PM - 8:00 PM at Hartman's Distilling Co., 55 Chicago Street. The program starts at 5:45 PM with a special presentation to former Congressman Brian Higgins for his decades of support for the revitalization of Buffalo's waterfront. The social hour begins at 6:00 PM with music provided by Sally Schaefer and Tyler Bagwell. A presentation by Alan van Capelle and Kira Strong from the High Line will start at 7:00 PM and inspire us with examples from similar projects from across North America that prioritize nature, art, and community to improve health and economic opportunity. Click here to register

Tuesday, November 18

African Violet Society: Propagate It!-7pm at GreenFields Assisted Living Facility 5951 Broadway, Lancaster, New York. The African Violet & Gesneriad Society of WNY will meet at Greenfields Assisted Living Facility – Court Entrance, 5951 Broadway, Lancaster NY 14086. Parking is free. The program will talk about how to propagate gesneriads including African Violets. It is open to the public and there is no admission fee. If you have questions, contact Holly Pohl at <a href="https://hollows.new.org/hollows.n

Backyard Wildlife-1pm at Clarence Senior Center. Learn tricks to encourage wildlife into your backyard! Do's and don'ts, best species to attract, and why they matter. Register.

Forces of Nature-6pm at Amherst Senior Center. From earthquakes and hurricanes to wildfires and tsunamis, this class will explore the powerful natural forces that shape our planet. Learn what causes them, how scientists study and predict them, and how communities prepare and respond. Register.

IMAGINE Buffalo Speaker Series: Chuck LaChiusa-Join us on Tuesdays at 12:30pm via Zoom for the IMAGINE Buffalo Speaker Series! This week's guest speaker is Chuck LaChiusa, Creator/Webmaster at BuffaloAH.com and Co-founder at Explore Buffalo. <u>Zoom link</u>. Each weekly program features a local speaker and Q&A. This series is presented by the Buffalo & Erie County Public Library in conjunction with C-SAAHN and ImagineLifelongLearning.com. FREE and open to the public.

Info Webinar: 2026 LEED for Cities Certification Cohort-1 to 2pm. This webinar will provide an overview of USGBC's annual LEED for Cities Certification Cohort, a component of the Local Government Leadership Program, for those considering applying for the 2026 Cohort or to learn more about the program. Register.

LISC NY Fall 2025: Community Partner Convening-10:00 AM – 11:30 AM EST. Register here for online attendance. LISC NY looks forward to welcoming our community partners and engage in meaningful conversations about how we can deepen our shared values and strengthen our communities. We will also create space for you, our community partners at the heart of our work, to connect with each other and share opportunities and challenges facing the field of community development today. Before attending, please take time to complete our Partner Survey. Your responses will help shape the discussion by providing valuable insight into the work, impact and reach of our partner organization.

Wednesday, November 19

Sustainable Business Summit- WNY Sustainable Business Roundtable's annual flagship event and the region's premier platform for sustainable business leadership at the historic Richardson Hotel in Buffalo. The year's theme, *The Future We Build Today*, invites us to imagine what's possible when bold sustainability goals are matched with practical, actionable strategies. The half-day program will bring together business and community leaders for an inspiring keynote, breakout sessions, and opportunities to connect and collaborate. Info and register.

Great Tales of the Great Lakes-2pm, Amherst Senior Center. Why is the story of a ship tragedy on Lake Erie known to every German school child? From weather to history to heroics, join Erie County historian, Doug Kohler, for a look at the impact of the Great Lakes on WNY. <u>Register.</u>

Clean Air's next General Meeting- 5:30 to 7pm at Trinity Episcopal Church• 371 Delaware Ave, Buffalo, NY 14202. register today. Meeting will be hybrid, with the in-person portion available at 371 Delaware Ave in Buffalo. Food included, support services like babysitting available with registration.

SciNight: Holiday Botanicals Papermaking Workshop-7 to 9pm at Tifft Nature Preserve. Learn about the history and process of papermaking while creating your own handmade paper infused with native wildflower seeds and bits of nature! Use your custom paper to create unique gift tags and card inserts to share the beauty of nature with friends and family afar! All materials provided. Ages 18+, <u>Advance registration required</u> Tickets: \$35; BMS Members receive 10% off.

Vegan Thanksgiving- 5:30 pm - 8:30 pm. The SPCA Serving Erie County (300 Harlem Rd., West Seneca) invites you to an exclusive evening that celebrates the human animal bond. Join us for cocktails, dinner and animal interactions in our barn. Enjoy a beautifully crafted, plant-based feast that captures the essence of the season, all while surrounded by the very animals whose lives inspire our mission. Sip from the open bar, bask in the warmth of the fire pits, and share heartfelt moments with fellow animal lovers. This event will start with an hour of hors d'œuvres and open bar, then move to a seated meal with a plated starter and then a family-style plant-based meal. The meal will close out with an array of vegan desserts. We ask that guests dress appropriately for the weather. This event is limited in capacity, to purchase your seat click here

Why Brains Need Friends with Ben Rein, PhD- 7 to 8:30pm at Buffalo Science Museum. Open to all ages. Admission: \$25 or \$5 with BMS membership or student ID .Copies of Dr. Rein's book will be available for \$25 the day of the lecture. *Advance registration encouraged*. Register here!

Thursday, November 20

The Electric Light Bulb. How the World Was Illuminated: From Edison to Tesla to the LED-1pm at Orchard Park Senior Center. In this dynamic, visually rich, digitally projected Lecture, we will trace the fascinating history of humankind's development and use of incandescence, fluorescence, and our current employment of the new technology of Light Emitting Diodes. Enjoy and learn from live demos (such as an authentic Tesla Coil) that will explicate the science in an easy-to-understand fashion. Register.

How Scientists Can Stand Up for Democracy-3:00–4:00 p.m. ET. Register today. In this training, experts will cover what we know about the scope and magnitude of the current authoritarian threat we're facing in the United States, messaging guidance on how to talk about the attacks against science and democracy, and tools for protecting yourself while engaging in advocacy. We will address the context, evidence-informed approaches, digital security measures, and risk assessment frameworks.

Free Buffalo Zoo Admission-The Buffalo Zoo and M&T Bank are delighted to offer FREE admission to the community on select Third Thursdays! Important: Free tickets are required and <u>must be reserved online</u> prior to your visit. A limited number of tickets are available, with a maximum of 10 tickets per group.

Wellness Walks-10am to noon. Drop by Tifft 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.

League of Women Voters Third Thursday Social-5:00 to 7:00pm at Big Ditch Brewing Co. 1 East Ave, Lockport NY.

Stakeholder Engagement with Local Farms and Agriculture Partners Webinar- 1:30 - 3:00 PM ET | Register Now (Free). This webinar will explore the critical role of local farms in sustainable food systems and how policy decisions impact community connections.

"Living in the Liberated Landscape" with Larry Weaner-Webinar from 7:00 pm to 8:00 pm. Discover the power of ecological garden design in this free national webinar, Living in the Liberated Landscape: My Yard, with award-winning landscape designer Larry Weaner. Join us for a personal look at how dynamic, self-sustaining landscapes can emerge when we partner with nature instead of controlling it. Drawing on more than 35 years of experience, Larry will share practical strategies for designing dynamic gardens that evolve naturally, support biodiversity, and bring lasting beauty to your yard. Register.

Friday, November 21

Friday Morning Birding: Ghost Pond-8:00 AM to 9:30 AM. Meet at Beaver Meadow Nature Center. Join us for weekly birding with Buffalo Audubon Senior Naturalist Tom Kerr. This week we will be meeting at Beaver Meadow and carpooling the short drive to Ghost Pond Nature Preserve. Binoculars are available. Meet in the Nature Center Parking Lot, Buffalo Audubon Members – Free, General Admission - \$10.00, Register.

Au-Some Night at the Museum-5:30 to 7pm at the Science Museum. Limited exhibit sounds will provide a comfortable and fun evening of learning and exploration! Plus, all guests may enjoy hands-on sensory activities, colorful arts and crafts, and so much more. A limited number of sensory backpacks including sound dampening headphones, visual communication cards, and fidgets will be available upon request, along with dedicated quiet areas on the 1st and 4th floors and balcony. Space is limited to the first 300 tickets reserved; pre-registration strongly encouraged. All ages. <u>Tickets:</u> \$23 per adult, \$19 per child; Museum of Science members free.

Saturday, November 22

Winter Hiking 101-9am. Winter is on the horizon! Do you have everything you need for safe winter hiking? Join us for an informational session about how to prepare for a winter hike. Learn what to wear and bring on your hike, as well as share and learn about the best area winter hiking spots! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Gullivanting on Goat Island-10:00 AM - 11:00 AM at <u>Niagara Falls State Park</u>. Join us at the heart of the Niagara River Corridor as we explore the many gulls and waterfowl that overwinter here! Registration required on <u>Eventbrite.com</u>.

Winter Naturalist Tracking-02:00 PM - 03:30 PM at <u>Niagara Falls State Park</u>. Prepare to be a winter naturalist by learning how to identify snow tracks and how different animals prepare for the winter during this presentation! Then put your new tracking knowledge to the test in an indoor game! Registration required on <u>Eventbrite.com</u>.

Birding Field Trip: Dunkirk Harbor with Devin Banning and Katelyn Davis-9am meeting at Dunkirk City Pier (map). Leaders: Katelyn Davis and Devin Banning (716-260-8889) Devin.Banning@fredonia.edu. Alternate meeting place (to be used if pier is closed): Dunkirk Memorial Park (just west of the pier on Route 5). This trip will be targeting newly arrived waterfowl that use the Dunkirk Harbor and the surrounding area to winter. It is not unusual to see over a dozen species of waterfowl in a morning here! We will also be looking for gulls and shorebirds along the way, as well as the harbor's resident Bald Eagles and Peregrine Falcons. Bring a scope if you have one, if not we can share! Dress for the weather, there is often a breeze coming off the lake.

Sunday, November 23

Fun Facts and Falling Foliage-2:00 PM - 03:30 PM at <u>Reservoir State Park</u>. Come out for a stroll on the accessible path around Reservoir State Park! Enjoy the crisp air and embrace the November weather. Registration required on <u>Eventbrite.com</u>.

Monday, November 24

Outdoor Observers Club- 6-7pm at Clearfield Library, Amherst. Teens & Adults welcome! Age 10-15 w/ an adult. Call 716-688-4955 to Register!

"Native plants in environmental restoration and culture" - Buffalo State Biology Seminar from 3 to 4:15pm at Science and Mathematics Complex 151, Buffalo State University. Presenter: Dr. Ken Parker.

Tuesday, November 25

STEM Toy Tuesdays!-4 to 6pm. Stop in the Kenmore Library every Tuesday and play with some STEM toys! Play and learn with Bee-Bots, Ozobots, Brackitz, Snap Circuits Extreme, and more! No registration is necessary.

Thursday, November 27

Happy Thanksgiving!

Saturday, November 29

Family Nature Quest: Turkey Talk -10:30am. Flock into the world of turkeys, turkey vultures, and even turkey tail fungus in this family adventure. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Niagara Gulls: NYPA Fishing Platform-10am to noon. Join us for up-close looks at the flocks of Bonaparte's Gulls at the base of the Robert Moses Hydroelectric Dam before the fishing platform is closed for the season! Binoculars are available. Buffalo Audubon Members – \$10.00, General Admission – \$15.00. Register.

Sunday, November 30

Birding Field Trip: Niagara River with Tom O'Donnell and the Rochester Birding Assoc.- Meet at 9:00 a.m. at the large parking lot overlooking Lake Ontario at Fort Niagara State Park in Youngstown. From here we will scope the lake for waterfowl, loons and gulls. This will be an all-day trip that will cross through customs into Canada. Participants MUST bring passports or Enhanced Driver's licenses to continue the trip into Canada. Be prepared for potentially cold weather/wind. Bring their own lunches/snacks and beverages...dig out your thermos! If you have a spotting scope, this would be a great trip to bring it to! Tom O'Donnell, Tmodonnell@roadrunner.com, (716) 622-5185.

WNY Young Birders Club Thanksgiving Art Fest Feast-1:00 – 3:00pm at Canisius University - Science Hall, 1901 Main St., Room 1053 - bring your art supplies and a snack to share!

Monday, December 1

"Eavesdropping in predator/prey systems"- Buffalo State Biology Seminar from 3 to 4:15pm at Science and Mathematics Complex 151, Buffalo State University. Presenter: Dr. Lynne Beaty.

Tuesday, December 2

Erie County Climate Action and Sustainability-1pm at Clarence Senior Center. Discover how Erie County is tackling climate change and building a greener future - and how you can be part of it! In this engaging and interactive session designed for older adults, we'll explore local sustainability projects, share simple ways to make a difference at home, and uncover surprising facts about how small actions add up to big impact. Register.

Wednesday, December 3

Greater BN Regional Transportation Council's (GBNRTC) Meeting- 9:30 AM. The meeting will be held in person at NITTEC located at 93 Oak St, Buffalo, NY 14203. For those unable to attend in person, a virtual option will be available via <u>Facebook Live</u> as well as via our public <u>webinar link</u>.

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.

Proposed REUSE Act

A bipartisan, commonsense bill called the <u>Research for Environmental Uses and Sustainable Economies (REUSE) Act of 2025</u> takes an important step toward tackling the plastic pollution crisis. It directs the U.S. Environmental Protection Agency to study how reuse and refill systems can be expanded across the country. Reusable packaging is a proven solution in the fight against the plastic problem, and it has the <u>lowest carbon footprint of any packaging option</u>. By reducing reliance on single-use plastics, reuse and refill infrastructure can cut waste, lower emissions, and create jobs in a truly circular economy. <u>Contact your Senators to cosponsor the REUSE Act of 2025</u>.

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 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:

- Plant a tree- fall is a great time to plant when trees have gone dormant, but before the ground freezes. For more details on how to plant a tree based on the specific kind you have purchased, and how to pick a tree, <u>visit our</u> website. Report your newly planted tree to the 25 Million Tree Tracker!
- Reduce the junk mail- The following sites will help end or reduce the mailbox clutter: https://dmachoice.org/
 (small fee), for credit cards/insurance https://www.optoutprescreen.com/, CatalogChoice.org, https://www.paperkarma.com/ (subscription). While we want the Postal Service to stay in business, the resources for mailings and our time in sorting and recycling are valuable.

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 Central Terminal- 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 <u>sign up here</u>

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

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.

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.

Global Justice Ecology Project- volunteers needed for mailing and office support. https://globaljusticeecology.org/

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

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

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.

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.

Iroquois National Wildlife Refuge-lots of options <u>here</u>.

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 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 <u>issbuffalo@yahoo.com</u>

Lead Safe Eric 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.

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. <u>Info.</u>

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!

Tifft Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. <u>716-825-6397</u> and <u>tifftreservations@sciencebuff.org</u>.

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/cfmx/extapps/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

Seagull, a slick data platform that brings real-time weather and water data to Great Lakes users

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

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

<u>Target Organics Resource Hub</u> – resource for small scale and large scale composting

Accessible Recreation Destinations Map for New York

CompTox Chemicals Dashboard

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://hkhcbuffalo.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 Career Opportunities

EPA-https://www.epa.gov/careers

Green Jobs- http://www.greatgreencareers.com , http://greenjobs.net/

Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

Green Jobs Board- https://www.browngirlgreen.com/greenjobs

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

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

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

www.buffaloaudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

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

www.grantstation.com

www.grantwatch.com

www.grantsalert.com

Find your farmer - Erie Grown website

Farmers' Markets 2025 map-farmer's market map

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

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

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

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

Five Loaves Farm- https://5loavesfarm.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

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/

Nimble Farms- https://nimblefarms.com/

Niagara Malt- 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

Sinemus Farms- http://www.sinemusfarms.com/

Singer Farms Naturals-www.singerfarmnaturals.com

Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com

Urban Fruits & Veggies- https://buffalogogreen.org/urban-fruits-veggies/

Westside Tilth Farm- http://westsidetilth.com/

Wilson Street Urban Farm- http://wilsonstreeturbanfarm.wordpress.com/

WNY Farmers' Markets- http://www.bestofwny.com/farmers market/

Local Harvest (resource site with map of CSAs)-http://www.localharvest.org/

Local Meats- http://meatsuite.com/

NY State Fruit and Vegetable Harvest Calendar-https://www.agriculture.ny.gov/HarvestCalendar.html

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)

- Year Round: Food Scraps Drop-Off Collection Program Locator Map
- Year Round: PaintCare Drop-Off Collection Locator Map
- Year Round: Electronics Recycling Locator Map
- Year Round: <u>Textile Donation & Recycling Locator Map</u>
- Year Round: Reuse Locator Map

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373

Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Walgreens, Lowe's, Home Depot

Batteries (high energy for mowers, power tools)-Lowe's, Bison Turf; Batteries for e-bikes- Tom Pro Bikes

Bicycles- Buffalo Blue Bicycle http://gobikebuffalo.org/

Books- www.booksforafrica.org, www.operationpaperback.org

Bras- www.donateyourbra.com,

Building materials- www.buffaloreuse.org

Cars- http://www.donateacar.com/

Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities, Walmart, Lowes, Wegmans

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/, www.careergear.org, www.dressforsuccess.org

Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's

Computer disks, tapes and misc. techno"trash"- http://greendisk.com/, 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,

 $\underline{Electronics-\underline{www.greenergadgets.org/recycling-responsibly.html},\ most\ electronics\ stores,\ \underline{www.sunnking.com}$

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.

Eveglasses-Lions Club http://donateglasses.net/search.html for sites accepting donations

Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.

Fur coats (incl faux fur)- http://coatsforcubs.com (used for animal rehab for young animals)

Furniture-Goodwill, Salvation Army, Amyets and other charities

Gift cards and customer loyalty cards- http://www.earthworkssystem.com/consumers.html

Green Cleaning programs in the workplace-https://greencleaning.ny.gov/Entry.asp

Greeting Cards- http://www.stjudesranch.org/shop/recycled-card-program/

Hazardous Household materials- http://www.hazmanusa.com/

Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,

Ink cartridges-RecyclePlace.com and most manufacturers

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

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

Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448

Recycling A to Z - realsimple

Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com

Sports equipment-resell/trade at www.playitagainsports.com

Styrofoam- Thermal Foams, Inc. 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, 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 preserve products.com/recycling

Wetsuits- https://www.greengurugear.com/pages/recycling-to-upcycle-program

Searchable lists- https://search.earth911.com/, https://search.ear

Eco-volunteering with Travel:

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

http://www.globalteer.org

http://www.ecovolunteer.org/

http://www.goeco.org/

http://www.wwoof.org/

http://www.americanhiking.org/

Education Courses, Resources or Certificates:

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

Coursera- 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.

<u>Local Foods, Local Places Toolkit</u> 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.

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

<u>Climate Hubs</u> 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 CertifiedTM - 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 http://adk-nfc.org/

AIA Buffalo Western NY https://www.aiabuffalowny.org/

Air and Waste Management Association https://awmanfs.wildapricot.org/

Allegany Nature Pilgrimage http://alleganynaturepilgrimage.com/

Alliance for the Great Lakes <u>www.greatlakes.org</u>

American Planning Association-WNY Section/Upstate http://nyupstateplanning.org/www.wnyapa.com

Amherst State Park Arboretum http://www.amherststatepark.org/ASP/Welcome.html

Aquarium of Niagara www.aquariumofniagara.org

Asha Sanctuary for Rescued Farm Animals http://www.ashasanctuary.com/

Aurorans for Climate and Environmental Sense https://www.facebook.com/aceseastaurora

AWARE-Assoc. for Wild Animal Rehabilitation & Education http://www.awarewildlife.com/

Bergen Swamp Preservation Society http://www.bergenswamp.org/

Birds on the Niagara https://bird-niagara.org/

Black Rock Riverside Alliance https://brralliance.org/

Bond Lake Environmental & Beautification Committee https://www.facebook.com/BondLakePark/

Braddock Bay Bird Observatory http://braddockbaybirdobservatory.wordpress.com/

Buffalo Architecture Foundation http://www.buffaloarchitecture.org/

Buffalo Astronomical Association http://buffaloastronomy.com/

Buffalo Audubon Society/Beaver Meadow Nature Center www.buffaloaudubon.org

Buffalo Blueway https://buffaloblueway.com/

Buffalo Central Terminal https://buffalocentralterminal.org/

Buffalo Go Green https://buffalogogreen.org/

Buffalo Niagara Community Reinvestment Coalition https://www.facebook.com/BNCRC/

Buffalo Niagara Gardening https://buffalo-niagaragardening.com/

Buffalo and Erie County Botanical Gardens <u>www.buffalogardens.com</u>

Buffalo Farm to School Program https://www.facebook.com/BuffaloF2S/

Buffalo Geological Society <u>www.bgsny.org</u>

Buffalo Heritage Carousel http://buffaloheritagecarousel.org/

Buffalo Maritime Center http://www.buffalomaritimecenter.org/

Buffalo Museum of Science <u>www.sciencebuff.org/</u>

Buffalo Niagara Heritage Village http://bnhv.org/

Buffalo Niagara Waterkeeper https://bnwaterkeeper.org/

Buffalo Olmsted Parks Conservancy <u>www.bfloparks.org</u>

Buffalo Orienteering Club https://buffalo-orienteering.org/

Buffalo Ornithological Society https://www.buffaloornithologicalsociety.org/

Buffalo Recycles http://buffalorecycles.org/

Buffalo River Land Trust https://www.bnrlandtrust.org/

Buffalo Urban Development Corp http://budc.ecidany.com/

Buffalo Zoo www.buffalozoo.org

Burchfield Nature and Art Center	http://www.burchfieldnac.org/
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Buffalo Women of Env. Learning/Leadership (BWell) https://bwell.community/

Center for the Study of Art, Architecture, History and Nature http://buffaloah.com/h/center/index.html

Chautauqua Watershed Conservancy http://www.chautauquawatershed.org/

Chestnut Ridge Conservancy http://chestnutridgeconservancy.org/

Citizens Campaign for the Environment <u>www.citizenscampaign.org</u>

Citizens Coalition for Wildlife and Environment http://citizencoalitionwe.com/

Citizens for Regional Transit <u>www.citizenstransit.org/</u>

Clarence Bluebird Trail https://lambluebirdtrail.org/

Clean Air Coalition of Western New York https://www.cacwny.org/

Clean Communities of Western New York http://www.ccofwny.org/

Coalition of Positively Charged People https://www.facebook.com/coalitionpositive/

Community Foundation for Greater Buffalo http://www.cfgb.org/

Cooperation Buffalo https://www.cooperationbuffalo.org/

Cornell Cooperative Extension for Cattaraugus County http://cattaraugus.cce.cornell.edu/

Cornell Cooperative Extension for Chautauqua County http://chautauqua.cce.cornell.edu

Cornell Cooperative Extension for Erie County http://erie.cce.cornell.edu/

Cornell Cooperative Extension for Niagara County http://cceniagaracounty.org/

Cornell Cooperative Extension for Wyoming County https://wyoming.cce.cornell.edu/

Daemen University Center for Sustainability <u>www.daemen.edu/enviro-news</u>

Department of Environmental Conservation (NY State) www.dec.ny.gov/index.html

Designing to Live Sustainably https://www.facebook.com/d2lsBuffalo/

Drave's Arboretum https://www.facebook.com/dravesarboretum/

Earth Spirit Educational Services www.earthspiritedu.org

East Side Stewards https://www.eastsidestewards.com/

Environmental Advocates NY <u>www.eany.org</u>

Environmental Education Associates http://environmentaleducation.com/

Environmental Protection Agency https://www.epa.gov/aboutepa/epa-region-2

Erie Canal Harbor Development https://esd.ny.gov/erie-canal-harbor-development-corporation-0

Erie County Climate Action & Sustainability

http://www2.erie.gov/environment/sustainability

Erie County Conservation Society http://eccs-club.org/

Erie County Department of Environment and Planning http://www2.erie.gov/environment/

Erie County Environment Management Council http://www2.erie.gov/environment/

Erie County Farm Bureau http://www.ecfarm.com/

Erie County Federation of Sportsmen's Clubs https://www.ecfsc.org/

Erie County Parks and Recreation http://www.erie.gov/parks

Erie County Soil and Water Conservation www.ecswcd.org/

Explore Buffalo www.explorebuffalo.org

Feminist Bird Club Buffalo https://feministbirdclubbuf.org/

Field and Fork Network http://fieldandforknetwork.com/

500 Women Scientists, Buffalo Chapter https://500womenscientistsbuffalo.wordpress.com/

Food Future WNY www.foodfuturewny.org

Foundry http://thefoundrybuffalo.org/

Friends of the Iroquois National Wildlife Refuge http://www.finwr.org/

Friends of Reinstein Woods http://reinsteinwoods.org

Friends of Sinking Ponds https://www.friendssinkingponds.org/

Friends of Times Beach Nature Preserve http://www.friendsoftimesbeachnp.org/

Foothills Trail Club www.foothillstrailclub.org

Gardens Buffalo Niagara https://gardensbuffaloniagara.com/

Garden Clubs of WNY <u>www.gardenclubsofwny.com</u>

Genesee County Village & Museum https://www.gcv.org/

Global Justice Ecology Project http://globaljusticeecology.org/

Go Bike Buffalo http://gobikebuffalo.org/

Go Buffalo Niagara http://gobuffaloniagara.org

Gooseneck Hill Waterfowl Sanctuary www.gooseneckhillwaterfowlfarm.com

Grand Island Nature Alliance https://gi-naturealliance.org/

Grassroots Gardens of Buffalo <u>www.grassrootsgardens.org/</u>

Greater Buffalo-Niagara Regional Transportation Council www.gbnrtc.org/

Greater Buffalo Urban Growers Network www.facebook.com/greaterbuffalourbangrowers

Great Lakes Center at Buffalo State College http://greatlakescenter.buffalostate.edu/

Great Lakes Research Consortium https://www.esf.edu/glrc/

Green Together WNY https://www.facebook.com/greentogetherwny/

Habitat for Humanity https://www.habitatbuffalo.org/

Hawk Creek Wildlife Center https://www.hawkcreek.org

HEART Animal Rescue and Adoption https://www.heartforanimals.org/

Heart of the City Neighborhoods, Inc. www.hocn.org

Hope Rising Together https://ltlol.com/

Housing Opportunities Made Equal https://www.homeny.org/

Imagine Greater Buffalo Lifelong Learning http://imaginelifelonglearning.com/

Inland Ocean Coalition-Buffalo Chapter https://inlandoceancoalition.org/whoweare/chapters/buffalo/

Innovation Center Buffalo http://innovationcenterbuffalo.org/

Iroquois National Wildlife Refuge http://www.fws.gov/refuge/iroquois/

Jamestown Audubon Center & Sanctuary http://auduboncnc.org/

Jamestown Community College http://www.sunyjcc.edu/sustainability

Lake Erie Watershed Protection Alliance http://www.erie.gov/lewpa

Leadership Buffalo https://www.leadershipbuffalo.org/

League of Women Voters of Buffalo Niagara http://www.lwvbn.org/

Local Initiatives Support Corporation https://www.lisc.org/wny/

Lyceum at Silo City https://www.facebook.com/LyceumatSiloCity/

Massachusetts Avenue Project http://mass-ave.org/

Messinger Woods Wildlife Care and Education Center, Inc <u>www.messingerwoods.org</u>

Nannen Arboretum https://www.nannenarboretum.com/

Nature Conservancy-Central and Western New York Chapter http://Nature.org

Nature Sanctuary of Western New York http://nsswny.org/

New York Farm Bureau http://www.nyfb.org/

New York Flora Association http://www.nyflora.org/

New York Forest Owner's Association <u>www.nyfoa.org</u>

New York Interfaith Power and Light <u>www.newyorkipl.org/</u>

New York League of Conservation Voters http://www.nylcv.org/

New York Power Authority <u>www.nypa.gov</u>

New York Public Interest Research Group http://www.nypirg.org/

New York State Association of Conservation Commissions https://nysacc.org/

New York State Ornithological Association http://nybirds.org/index.html

New York State Outdoor Education Association http://nysoea.org/

New York State Parks https://parks.ny.gov/

NYS Association for Reduction, Reuse and Recycling https://www.nysar3.org/

New York State Sea Grant http://www.seagrant.sunysb.edu/

Northeast Sustainable Agriculture Working Group http://nesawg.org/

New York Upstate Chapter of the Green Building Council http://www.greenupstateny.org/

New York Upstate Chapter, Landscape Architects https://www.nyuasla.org/

New York State Wetlands Forum http://www.wetlandsforum.org

Niagara County Farm Bureau http://www.niagaracountyfarmbureau.com/

Niagara County Landfill and Recycling http://www.rethinkyourwaste.com/

Niagara County Parks http://www.niagaracounty.com/Parks/

Niagara County Soil and Water Conservation District <u>www.niagaraswcd.com</u>

Niagara Fishing Expo http://niagarafishingexpo.com/

Niagara Frontier Botanical Society

Niagara Frontier Botanical Society

Niagara Outfitters https://niagaraoutfitters.com/

Niagara River Anglers Association www.facebook.com/Niagara-River-Anglers-1013633888708865/

Niagara River Greenway Commission https://www.niagararivergreenway.com/

Northeast Organic Farming Association of New York http://nofany.org

North Tonawanda Botanical Gardens https://ntbgo.weebly.com/

One Region Forward https://regional-institute.buffalo.edu/one-region-forward/

Open Buffalo http://www.openbuffalo.org/

Our Outer Harbor http://www.ourouterharbor.org/

Partnership for the Public Good www.ppgbuffalo.org

Pelion Garden https://peliongarden.org

Penn Dixie Paleontological and Outdoor Education Center www.penndixie.org

Pfeiffer Nature Center (Portville) www.pfeiffernaturecenter.org

People United for Sustainable Housing http://www.pushbuffalo.org

Plant WNY http://www.plantwny.com/

Pollinator Conservation Association <u>www.pollinatorconservationassociation.org/</u>

Preservation Buffalo Niagara http://www.preservationbuffaloniagara.org/

Primate Sanctuary <u>www.facebook.com/ThePrimateSanctuary</u>

Providence Farm Collective http://providencefarmcollective.org/

Ralph Wilson Park Conservancy https://rwparkbuffalo.org/

Reinstein Woods Nature Preserve www.dec.ny.gov/education/1837.html

Restore our Community Coalition http://roccbuffalo.org/

Retree Western New York https://re-treewny.org/

ReUse Action http://reuseaction.com/

Riverline https://www.theriverline.org/

Roger Tory Peterson Institute www.rtpi.org

Secret Places of WNY https://www.insiders-outside.com/events

Service Collaborative of WNY http://www.tscwny.org/

Sierra Club (Niagara Group of Atlantic Chapter) https://www.sierraclub.org/atlantic/niagara

 $\underline{\text{Slow Roll Buffalo}} \\ \underline{\text{www.facebook.com/groups/slowrollbuffalo/}}$

South Buffalo Alive www.facebook.com/South-Buffalo-Alive-174141769403626/

SPCA serving Erie County <u>www.yourspca.org</u>

Street Synergy http://www.streetsynergy.org/

SUNY Fredonia https://www.fredonia.edu/about/offices/sustainability

Tifft Nature Preserve http://www.tifft.org/tifft/

Tonawanda Creek Watershed Committee www.facebook.com/TonawandaCreek/

Tuscarora Environmental Task Force www.facebook.com/tuscaroraenvironment/

UB Engineers for a Sustainable World https://www.facebook.com/groups/esw.ub/

UB Environmental Network https://www.facebook.com/UBEnvironmentalNetwork/

UB Office of Sustainability http://www.buffalo.edu/sustainability.html

UB Regional Institute http://regional-institute.buffalo.edu/

Urban Land Institute http://newyork.uli.org

Urban Roots <u>www.urbanroots.org/</u>

US Army Corps of Engineers-Buffalo District https://www.lrd.usace.army.mil/buffalo/

US Coast Guard-Boating Safety https://uscgboating.org/recreational-boaters/boating-safety-co

US Fish and Wildlife, Northeast https://www.fws.gov/about/region/northeast

Vision Niagara http://visionniagara.org/

Voice-Buffalo https://voicebuffalo.org/

Western Chapter New York Water Environment Association http://nywea.org/

Western New York AmeriCorps (Service Collaborative) http://www.tscwny.org/

Western New York Environmental Alliance http://www.wnyea.org

Western New York Herpetological Society https://www.facebook.com/wnyherpsociety

Western New York Land Conservancy https://www.wnylc.org/

WNY Mountain Bike Association http://www.wnymba.org

WNY Nursery and Landscape Association (PLANT WNY) http://www.plantwny.com/

WNY Partnership for Invasive Species Mgmt (PRISM) www.wnyprism.org

WNY Permaculture www.facebook.com/WNY-Permaculture-1098493876841295/

WNY Raptor Center Wnyraptor.com

Western New York Science Teachers https://westernstanys.org/

WNY Seed Library https://www.facebook.com/wnyseedlibrary/

Western New York Soil Health Alliance <u>www.wnysoilhealth.com</u>

WNY STEM https://stemecosystems.org/ecosystem/wny-stem/

Western New York Stormwater Coalition	http://www2.erie.gov/environment/

Western New York Sustainable Business Roundtable http://www.wnysustainablebusiness.org/

WNY Peace Center Renewable Energy Task Force https://www.wnypeace.org/

WNY Weather Society <u>www.facebook.com/amswnychapter</u>

WNY Young Birders Club https://www.wnyybc.org/events

West Valley Citizen Task Force <u>www.westvalleyctf.org</u>

Wild Kritters http://www.wildkritters.com/

Wild Ones-WNY Chapter https://westernnewyork.wildones.org/

Wild Spirit Education https://wildspirit.org/

Zoar Valley Coalition https://zoarvalley.org/