

Enviro-News

December, 2022

Sponsored by Daemen University's Global & Local Sustainability Department

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:

League of Women Voters Holiday Lecture

The League of Women Voters Holiday Party is Saturday **December 10** from noon-2pm at Rizotto's Italian Eatery, 930 Maple Rd., Amherst. Guest Speaker Kelly Cultrara, a board member for Upward Design for Life, Inc., will talk about their work with the Family Justice Center helping refugees, individuals transferring from shelters, young adults aging out of foster care, veterans and individuals with behavioral and developmental disabilities. Upward Design provides new and gently used donated furnishings and accessories that have been donated, to turn a client's residence into a home. [Register online](#) or contact the League office at (716) 986-4898 to choose your entrée by **Dec. 2**. Cost is \$28.

Be Septic Smart for Lake Erie

A free septic system maintenance workshop on **Monday, December 5, 2022** from 6:00 to 7:45 PM at the Aurora Town Public Library. Learn how to save money and protect water quality by caring for your septic system. Free pizza and giveaways. Attendees are eligible for a \$30 rebate off a septic tank pump out. [Register today!](#) Learn more at www.erie.gov/septicsmart.

Green Drinks

Join others to network and enjoy conversation on **Thursday, December 8th** at 5:30pm at Southern Tier Brewery, 7 Scott St, Buffalo, NY 14203. The event is also listed on [Facebook](#) and on the [Green Drinks webpage](#).

WNY Sustainable Business Roundtable Holiday Happy Hour

The WNY Sustainable Business Roundtable Holiday Happy Hour is **December 14** from 4:30 to 8pm for drinks, food, trivia, and more at Duende at Silo City 85 Silo City Row Buffalo, NY 14203! Tickets for non-members are **only \$15**, making this a great opportunity to network with like-minded businesses in our area. [Register today](#).

Applications Due for Young Professionals for Olmsted Parks

The Young Professionals for Olmsted Parks program is for individuals who are passionate for their historic parks, nonprofit management, fundraising, networking and making a difference in their community! The program is for those between 25 and 40 and runs from February-October of 2023. Deadline to apply is **December 12**. [Learn more and apply](#).

Learn to Solve Problems and Reduce Risk with Healthy Soil

Farmers, interested individuals and agricultural service providers are invited to attend the Western New York Soil Health Alliance's Soil Health Workshop and Annual Meeting on **December 15, 2022** at the Quality Inn & Suites in Batavia (8250 Park Road) from 9am - 3pm. This year the meeting will be both **in person and virtual**. A Zoom link to the virtual presentations will be provided the evening before the event. [REGISTER HERE](#).

The College Lodge Forest: Chautauqua County's Hidden Gem

The College Lodge Forest in Fredonia is now a permanently protected nature preserve as well as a member of the nationwide Old-Growth Forest Network. Join the Western New York Land Conservancy on **December 19** from 7 to 8pm for a virtual event to learn what we have planned for this incredible place, one of Western New York's hidden gems. Stewardship Director Josh Balisteri will give a brief summary of our public access plans, including the trails, while Stewardship Coordinator Erik Danielson will outline our habitat restoration/invasive species plans. You'll learn about what we have in store for 2023, and you'll also have the opportunity to ask us questions. Free, but [register](#) for the link.

Landscape Maintenance Technician Adult Workforce Development Program

In partnership with the Buffalo Center for Arts and Technology and The Riverline, 30 free scholarships are available for this 120 hour program to learn about Landscape Maintenance and potentially find a new career! Apply now as classes begin **January 10**. [Learn more](#).

Christmas Bird Counts

This holiday season, take your birding adventures to the next level by participating in the [123rd Christmas Bird Count](#). Organized by the [National Audubon Society](#), the annual Christmas Bird Count is one of the longest-running avian censuses—a useful method to inventory worldwide bird populations. Taking place between December 14th and January 5th, volunteers are tasked with counting as many birds as possible within a 24-hour window, all within a 15-mile-wide circle! Using the species tallies collected by participants during the count, Audubon may work to better understand and study the health of many different bird populations. The Great Christmas Bird Count is free and open to all and is open to birders of all skill levels. To find a Christmas Bird Count, check out the National Audubon Society [event map](#).

Household Hazardous Waste Dropoff

Erie County residents have the option of using the County's "Voucher Drop-off program" which enables residents to bring up to 50lbs. of eligible hazardous waste to the Hazman facility in Tonawanda at no cost. Again, preregistration for this service is required. For more info go to [erie.gov/recycling](#) or Hazman directly at 998-8073 or call 716-858-6800.

Help Wheels for Workers Provide Transport for Re-settling Families

Wheels for Workers 716 (WW716) is a new non-profit, supporting Buffalo's large number of re-settling families. Their mission is to provide bicycles and helmets to our newest neighbors who wish to work but lack basic transportation. WW716 collects bikes at St. Paul's Lutheran Church, 4007 Main St, Buffalo, NY 14226, while Journey's End Refugee Services connects them to our new neighbors, linking ride-ready bikes to work-ready Buffalonians. WW716 needs: bikes and bike parts, donations, volunteers, and help spreading the word! To get in contact visit their [Facebook page](#).

Have an Apiary?

As of December 23, 2021, all beekeepers in NYS are required to register with Ag and Markets and renew their registration annually regardless of whether you are selling nucleus colonies or queens or not. It only takes a few minutes to do, and then you will get notifications of any disease issues in your area. [Learn more](#).

Erie Community County Climate Action Planning

Erie County Climate Action is working hard on the community climate action plan! Working groups, consisting of County staff and community stakeholders have been developing goals, strategies, and action items to help mitigate climate change effects in the WNY area. If you're looking for ways to get involved, consider joining the [Ambassador Program](#). Ambassadors play a vital role in bridging the gap between local government and community members. Check out <https://www3.erie.gov/climateaction/> for more info on Erie County's climate efforts and ways to be involved.

DEC to Expand Reinstein Woods Environmental Education Center

New York State Department of Environmental Conservation (DEC) plans to expand the Reinstein Woods Environmental Education Center in the town of Cheektowaga, Erie County, and more than double the facility's size. The approximately 7,000-square-foot addition to the education building, will more than double its current square footage and enhance outdoor recreation and environmental education programs offered by Reinstein Woods while improving accessibility for visitors with mobility impairments and other disabilities. The \$7 million project will be funded by the Environmental Protection Fund and the New York Works statewide capital infrastructure program. DEC is making strategic investments through its AdventureNY initiative to enhance public access to state lands and facilities and connect people with nature and the outdoors. Construction is expected to begin in 2024 and be completed 2026.

Free Complete Streets Workshops for Communities

In partnership with the New York State Department of Health, Urban Cycling Solutions offers a FREE complete streets and active transportation training to communities throughout New York State. This training includes detailed instruction on the complete array of complete streets topics and is available to New York State Communities on a first come, first served basis. Please [fill out this online form](#) or email info@urbancyclingsolutions.com to request a course in your community today!

DOI Funding Guide for Invasive Species Management

The Department of the Interior (DOI) released a new Funding Guide for Invasive Species Management. The purpose of this guide is to compile information on DOI funding opportunities that could support projects that manage invasive species (e.g., prevention, detection, control/eradication, restoration), primarily posted on Grants.gov and Sam.gov. It is important to note that information is subject to change. All funding opportunities are subject to the availability of appropriated funds; a program that is listed may not offer funding in any given year. This guide is a starting point. Other DOI funding opportunities may exist that are not included here or that are broader in scope yet could be appropriate for invasive species management. View [here](#).

How to file a report to the DEC

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

Western New York Young Birder Club

The [Western New York Young Birder Club](#) (WNY YBC) is designed to help connect young and young at heart people with birds. Young birders of all ages are welcome! The WNY YBC organizes monthly events, sends a monthly email newsletter including the "Bird of the Month" feature and updates on [club outings](#), and serves as a resource for the community to connect with family-friendly birding experiences. WNY YBC recognizes that birding is often a quiet and calm activity that doesn't always match the exuberance of young birders – thus they are creating a space where an enthusiastic joy in birds can take flight. The club currently has 48 members ranging in age from 2-14 with an average age of 7. Check out WNY YBC's [website to join](#), learn more, and to find events near you!

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.

“State of the Great Lakes” 2022 Report

The Governments of Canada and the United States are pleased to release the [State of the Great Lakes 2022](#) reports, which provide an overview of the status and trends of the Great Lakes ecosystem. There has been tremendous progress to restore and protect the Great Lakes, including the reduction of toxic chemicals, and a reduction in the establishment of new non-indigenous aquatic species. However, some indicator assessments demonstrate that there are still significant challenges, including the impacts of nutrients, especially in Lake Erie and localized areas, and the impacts of invasive species. Climate change is already exacerbating some threats. The continued actions of many groups and individuals are contributing to further improvements in the Great Lakes. Overall, the Great Lakes are assessed by the State of the Great Lakes indicators as Fair and the trend is Unchanging.

Fillmore Farms Community Garden to Provide Fresh Food

The proposed new Fillmore Farms Community Garden on Lombard Street plans to use 10 shipping containers to hold vegetable gardens. The project would use two underused properties to grow fresh vegetables for local restaurants, businesses and the surrounding community in a part of the city that has been widely viewed as a food desert. Each container would be climate-controlled and would include a garden for growing produce all year, capable of growing 1,000 heads of lettuce. An additional climate-controlled growing area would be located in the rear of the building, along with a harvesting and packaging area in the center and a storage room.

Neighborhood access to the veggies would be available for free or discounted prices. Similar container farms exist in Ellicottville and Clarence. The project also received a \$664,000 award from the state's Buffalo Broadway Fillmore Downtown Revitalization Initiative grant.

eBird Helps Track Your Bird Sightings

Interested in tracking your bird sightings? [eBird](#) helps you find birds and build your birding life list, all while promoting the science, conservation, and education that leads to groundbreaking discoveries—just like the recently published study of mountain birds mentioned above. The best way to start is with our [free, self-paced eBird Essentials course](#)—it’s packed with video walk-throughs and helpful tips so you can start eBirding in no time.

Nonnative Tree Population Increase - USDA Forest Service Report

Nonnative tree species, while generally viewed as detriments to ecosystems, may provide important ecosystem services, such as carbon storage. A recent [USDA Forest Service Report](#) documents an increase in nonnative tree species in forests in the conterminous U.S. and on Pacific and Caribbean islands. The report can aid managers in assessing the impacts of nonnative trees and human interference on forest composition.

LEED Green Associate (GA) Training - Webinar and Online Self-paced Options

Register for a live webinar or start today with our on-demand recorded workshop completed anytime at your own pace here - <https://leadinggreen.com/online>. This course is instructed by a USGBC Faculty member and is the most effective way to pass. The USGBC charges a \$100 (reduced for students) fee for the actual exam which can now be taken online from home. Save money by reserving your spot today and make a positive difference in your career! Cost: \$200 - Students can use the coupon code ‘green’ for \$50 off (Discounted course price \$150).

Tax Credits for Energy Efficiency Upgrades Extended

As part of the Inflation Reduction Act (IRA) of 2022, federal tax credits for energy efficient home upgrades have been extended. This means that if you made any qualifying home improvements to your primary residence after December 31, 2021, you may be eligible to claim credit on your federal taxes when you file for 2022. ENERGY STAR certifies a wide range of products for your home that help you save energy, save money, and protect the climate. The list of ENERGY STAR certified products that qualify for a federal tax credit range from equipment and products for your home, as well as improvements to your home's envelope or exterior - such as windows, doors, insulation, and similar items. To learn more about the tax credits that have been extended, you can read through the [property tax credit](#) guidance featured on the ENERGY STAR website. Additionally, [Renewable Energy tax credits](#) have also been extended and will be available through the end of 2023. These include incentives for Geothermal Heat Pumps, Residential Wind Turbines, Solar Energy Systems, and Fuel Cells. For more information and to stay up to date on available tax credits, make sure to bookmark [ENERGY STAR's page on Federal Tax Credits](#) so you can maximize savings on your home energy efficiency projects.

DEC's Intent to Restrict Certain Neonicotinoid Pesticide Products

The Department of Environmental Conservation plans to reclassify certain neonicotinoid (neonic) pesticide products as "Restricted Use" effective January 1, 2023. Restricted use pesticides can only be used by a private or commercial certified applicator possessing NYS certification. Neonics affect the nerve cells of insects often causing paralysis and death of the insect and harm pollinators as well as the intended pest insects. Pesticide products containing imidacloprid, acetamiprid, and thiamethoxam that are labeled for foliar, outdoor use, and/or seed treatment will be reclassified as "restricted use" pesticides. This reclassification will ensure proper use by trained, licensed applicators and also require sales and use data of neonics to be annually reported to the DEC.

Farmland Protection Grants Available

The NYS Department of Agriculture is pleased to announce the availability of funds for the [Round 18 Farmland Protection Implementation Grants \(FPIG\) Program – Conservation Easement Projects](#). The intent is to fund the implementation of certain farmland protection activities intended to maintain the economic viability of the State's agricultural industry and its supporting land base and to protect the environmental and landscape preservation values associated with agriculture. Grant applications will be accepted on a continuous basis. The [RFA](#) will remain open and awards will be made until such time as available funds are fully committed, or the RFA is closed.

Soil Health Tool

[The ABCs of Soil Health](#) in an interactive tool that will walk you through facts about soil's role in agriculture and supporting life on this planet, and what we can do to better manage our soil through conservation. A is for Assessment, B is for Biodiversity, C is for Cover Crop. Can you guess what Z is for? Learn what zymogenous means at the site.

Funding for EV Charging Stations

Through [Charge Ready NY](#), NYSERDA provides rebates of \$4,000 per charging port for Level 2 charging stations installed at public, workplace, and multi-unit dwelling parking lots. Additional incentives of \$500 per port may be awarded for installations within [disadvantaged communities](#). Many utilities offer [incentives for installing charging stations](#) that can cover most of the installation costs and be used in tandem with [New York State](#) and [federal](#) tax credits.

Clean Energy Communities Program for Towns

Is your WNY town a member of the Clean Energy Communities Program? Check out the map [here](#) to see towns that are in the program and the actions that they have taken to save energy and often costs for their town. If your town isn't one of them, ask your elected official why they haven't made a commitment to cleaner energy.

Make Cigarette Butts Part of Your Cleanups

Littered cigarette butts: besides ugly to look at, they are hazardous to our kids, pets, wildlife and gardens. Locally, data from the Great Lakes Watershed Cleanup conducted by Ocean Conservancy indicates that more than 300,000 cigarette butts (35.3% of all items recovered) were collected from the Great Lakes in 2019. When left in the environment, littered cigarette butts leach toxic chemicals, such as arsenic (used to kill rats) and lead, that may be carried as runoff to drains and end up polluting our rivers and lakes right here in Western New York. Because cigarette butts are primarily made of plastic filters that don't biodegrade, the butts that aren't eaten by wildlife simply pile up on shorelines or at the bottom of bodies of water. To find out how you can get involved, visit <http://tobaccofreewny.com/>.

Regenerate NY Cost-Share Grants Available for Forest Landowners

Do you own between 10 and 1,000 acres of forest land and have an interest in improving your woods? DEC's Regenerate NY program provides cost-share grants to New York landowners looking to enhance forest regeneration on their property. Landowners who want to plant trees, control competing vegetation, restore a degraded forest stand, or exclude deer are encouraged to apply for project funding. To find out more about getting funding for your forest, please [visit DEC's website](#). Applicants will need to apply through [Grants Gateway](#). Private landowners are encouraged to team up with a [cooperating forester](#) for application support. Check out the [Regenerate NY webpage](#) for info.

Version 2.0 of U.S. Register of Introduced and Invasive Species

The United States Register of Introduced and Invasive Species ([US-RIIS](#) ver. 2.0, 2022) was published by USGS on November 4th. It is available for download at <https://doi.org/10.5066/P9KFFTOD>. The US-RIIS is a foundational dataset for invasive species models, risk assessment, and early detection/rapid response. It is an expert opinion-based all-taxa dataset with assertions at the species level and below, on non-native species established in the United States. Version 2.0 of the US-RIIS has 14,700 records in the master list (USRIISv2_MasterList) and 12,571 unique scientific names.

Buffalo Food Waste Diversion is Available Year-Round

Buffalo has tested and is launching year-round collection of food waste in an outdoor collection bin at Elmwood Avenue and Bidwell Parkway. Food scraps will be transported by Natural Upcycling to Buffalo River Compost. Since June 2019, over 1000 people have participated in the "Scrap it" program with six summer locations available for drop-off. Acceptable materials are fruits and vegetable scraps, coffee grounds and filters, egg shells, tea bags and nuts. For more info, visit www.buffalocycles.org.

NYSERDA Green Jobs Green New York Energy Studies

Small businesses and not-for-profit organizations can receive an energy study to help them identify opportunities to make their buildings more energy efficient. The energy study is a valuable tool to understand how to reduce energy usage and costs in your facility, and it provides a "road map" to plan for improvements that can be made as budgets permit. It includes: a comprehensive walk through of the facility; site staff interviews; utility bill analysis; fuel neutral, unbiased evaluation of potential low-cost/no-cost and capital improvement energy efficiency upgrades; and a report that outlines potential energy and cost savings opportunities for your facility. Once the study is complete, you receive assistance in identifying potential utility incentives and low-cost financing options to help take the next steps toward implementing energy saving projects. Small businesses with 100 or fewer Full-Time Equivalent Employees (FTEs) company-wide or not-for-profit organizations of any size are eligible for the program. For more information call Michelle Wooddell at 1-888-338-0089 or email info@NYEnergyStudy.com.

New Platform can Track Carbon for Individual Trees

The new nonprofit, called [CTrees](#) (its motto: “see the forest and the trees”), uses artificial intelligence to analyze satellite and aerial data along with local data from inventories of trees. As trees grow, or when they’re lost to logging or fires, CTrees can use new satellite images to keep a running estimate of the total carbon. The methods, based on two decades of science, “come close to the accuracy of the gold standard” of on-the-ground measurement, says Sassan Saatchi, a senior scientist at NASA’s Jet Propulsion Laboratory, who is helping lead CTrees as a side project.

Recycling Conundrums- Why aren’t all #1 Plastics Recycled?

The #1 plastics, known as PET (polyethylene terephthalate) plastics, can be recycled if they are bottles (shampoo, soda, salad dressing). Those #1 plastic clamshell containers (berries, bakery items etc.) are not acceptable. Why? These containers are made by thermoforming which creates the package by stretching a heated sheet of plastic over a mold. Thermoformed plastics have less viscosity and are more brittle, making these plastics unsuitable for bottle production. So it’s essential to separate thermoformed PET from other PET containers when recycling as most facilities lack sorting equipment that can separate thermoformed packaging from other plastics. What can you do? Read more and check out the suggested actions [here](#).

“Hold the Plastic, Please”

Beyond Plastics has created a thorough, practical, and inspiring guide to help any restaurant that is interested in reducing its use of plastic make key switches and communicate them effectively to existing customers, prospective customers, the media, and the general public. [The free guide](#) offers practical advice, tools, resources, and case studies of two restaurants who have successfully reduced their use of plastic.

Is Your Congregation Cool?

Across the nation, Interfaith Power & Light and our state affiliates are helping congregations take action by lowering their emissions that contribute to climate change. Has your congregation done a project to reduce its carbon footprint? If so, you can help them become a Certified Cool Congregation. [Click here to find out more.](#)

Lead Pipes in your House? Get a Free Water Test

If you have determined your home has a lead service line, there are resources at your disposal. [\(If you missed our last alert on how to determine if you have a lead pipe, click here\).](#) Getting your water tested is an important next step to learn how much lead might be currently leaching from your pipes into your drinking water and the risks to your home. To receive a free lead testing kit through the mail, call (518) 402-7650 or [submit an online form to the NYS Department of Health](#). Check this [factsheet](#) to learn how to protect your household.

Hemlock Woolly Adelgid Management

Hemlock woolly adelgid (HWA, *Adelges tsugae*) is an aphidlike, soft-bodied insect, almost too small to see with the naked eye. Native to Asia, HWA was first reported in the eastern United States in the 1950s. It has since spread to 20 states and two Canadian provinces. HWA feed on tree sap by inserting their mouthparts at the base of the needles and removing plant fluids. Their feeding causes the needles to turn gray, die, and drop from the tree. Branch dieback progresses from the lower branches to the top of the tree. Severe infestations may bring about premature needle drop, reduced twig growth, dieback, and tree death. [Info and resources](#).

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.

Resources for Buying an Electric Vehicle and Charger

Making the switch to an electric vehicle—and pairing it with an ENERGY STAR certified charger—is not only good for the planet, it could also save you \$1,400/year on fuel and car maintenance. Plus, with rebates and tax credits, you can save even more. [Learn about all the benefits today!](#) A [study](#) examined the life cycle greenhouse gas emissions from electric cars and combustion engine cars globally. Their analysis showed that only battery electric and hydrogen fuel cell vehicles have the potential to achieve life-cycle GHG emissions reductions needed to meet Paris Agreement goals.

Recycle Right Website

Learn more about recycling in New York with the new website: <https://recyclerightny.org/>. Resources and info on how to recycle and where you can recycle are shared. Funding opportunities for recycling programs and ideas are also listed.

Grants for Youth Field Trips

Did you know there is a **grant** to take youth on field trips? The Connect-Kids-to-Parks Field Trip Grant Program (Connect Kids) is designed to connect students in New York State with nature and history. Each grant provides reimbursement of up to \$40 per student (and \$80 for Special Education students) for field trips to state and federal parks, education and nature centers, forests, historic sites, fish hatcheries and other outdoor recreation areas. Find out more about this innovative grant program at the [Connect Kids Grant page](#).

Bird Migration Platform

[Bird Migration Explorer](#) is a first-of-its-kind, free, interactive, digital platform that visualizes the heroic annual journeys of 458 North American migratory species. Available in [English](#) and [Spanish](#), you can use the Explorer to see the incredible journeys of migratory birds throughout the year, how they connect us across the hemisphere, and the various challenges they face along the way. By mapping where, when, and how extensively species are exposed to human activities and environmental changes, we can develop more effective solutions that will maximize benefits for birds and people.

Clothing Recycling in Schools

Project Green Schools is excited to partner with [Planet Aid](#) in order to help schools and communities work together with a unified goal of recycling 25,000 lbs of clothing and shoes. Both Planet Aid and Project Green Schools will support you with everything that you need to organize and promote your drive. [Click to register](#) to host a drive this summer or fall. Clothing drives are open to U.S. based schools and organizations that fall within Planet Aid's region.

2023 Envirothon Announced

The 2023 NYS Envirothon Current Issue is Posted! The current issue is "Adapting to Changing Climate". If you are a high school student, teacher, or parent and are interested in participating in our 2022-23 Regional Envirothon please contact our office at 716-434-4949 ext 4 or katherine.pfeifer@nacdnet.net. Review the <https://nysenvirothon.org/current-issue-study-guide>.

Teacher's and Home-Schooling Resources

[PRI's YouTube channel](#)- two separate series that address climate change science and solutions. “[Climate Solutions, in No Particular Order](#),” is a 30-video playlist of 60-second videos that each addresses an important climate change mitigation strategy. “[In the Greenhouse](#),” is an 18-video series of 5-15 minute video lessons addressing the science concepts that underlie climate change and opportunities to take action. Both series are supported with lesson plans, science context and background on PRI's [Teach Climate Science](#) web pages.

[K-12 Food Waste lessons, activities, and resources](#) from the World Wildlife Fund (WWF) are designed to help teach the planetary impact of what we eat and what we throw away. Lessons are divided by grade band and include free slideshows, student activities, teaching guides, and discussion questions.

[Ocean Odyssey](#) -NOAA educational materials with 8 elementary school lessons.

[Recent Resource Freebies](#)- grants, websites

[NEED's Energy Awareness Month Website!](#)-Each year, the U.S. Department of Energy designates October as Energy Awareness Month. During the month, many schools undertake energy efficiency and conservation activities.

[Project WET Clean and Conserve Online Training](#)-Project WET Foundation and Ecolab's Clean and Conserve Education Program include an activity guide for educators containing five water conservation and hygiene lessons. Each activity has its own short, online training freely available to educators.

[Our World in Data Website](#)

[Climate Change Action Resource Library](#) for educators, youth, and community leaders who are looking to download curricula, toolkits, discussion guides, and watch videos all in one place.

[Discover the Forest: Education Activities](#)-The free activities, including activities such as Identifying Trees, Geocaching, and Playing Agents of Discovery, and resources are designed for parents to explore the outdoors with youth ages 8-12.

[Nature awards. Science in shorts.](#)-videos showcasing science research.

[Transforming K–12 Education Through Sustainable Practices](#)

[Diversify Earth](#)-tool to teach or learn about the different scientists involved in Earth and Environmental Science, highlighting the diversity of individuals involved and how they contribute to their fields.

[Xerces Society for Invertebrate Conservation Education Resources](#)-includes a new invertebrate exploration activity book, YouTube channel for youth, monarch toolkit, and identification and monitoring guides. All of the resources are designed to help inspire the next generation to care for invertebrates.

[Pre-College University Environmental Justice Academy](#)-The free courses are designed for all skill levels and include Environmental Justice 101 and Climate Justice.

[Recycle City online](#) educational resource- web-based games and activities.

[Professional Development for Teachers](#): Explore our K–12 program's lineup of webinars and workshops.

[NEEF Citizen Science Resources](#) offer a chance for everyone to get involved and contribute to the body of knowledge we have about our planet—no matter their age or level of experience! Explore these resources and stories to get started with engaging students in a citizen science project.

[National Park Service Biodiversity Curriculum: Flipping for Adaptations](#) allows students to learn how different structural and behavioral adaptations help animals survive.

[Using Nature's Notebook to Teach Science and Climate Change](#) engages students with the critical scientific skill of observation.

[Science of Food and Cooking: STEAM Educational Videos](#)

[Conservation in the Classroom Student Livestream Events](#)-Through free 45-minute virtual events livestreamed on World Wildlife Foundation's website, students can listen as WWF experts share their experiences working to protect species and habitats worldwide.

[Explore videos, articles, data portals and more](#) to see how scientists are studying the impacts and providing best-in-class data and information for a Climate-Ready Nation.

[What do Cardboard Boxes have to do with Carbon Emissions?](#)-Lesson plan

[National Geographic: Mapping Blue Whale Migration Activity](#)-This resource from National Geographic engages students grades 3-8 in mapping skills and learning about animal migration. Students will identify a major migration route taken by blue whales, use a map scale to calculate the distances of migrations of several marine organisms, and consider human impacts on whales and other migrating marine species.

[Science Friday: Soil Engineering Activity](#)-Soil health is being threatened by natural processes and human impact. In this activity, students learn about soil texture and function and apply that knowledge to the role soil plays in an ecosystem and in our everyday lives.

[Education can be rewired to teach nature](#)--YouTube video

[STEM Teaching Tool: Steps to Designing Justice-Focused Assessments in Science](#)- outlines a nine-step process to help teams develop Framework-aligned assessment tasks in science focused on justice-centered phenomena and scenarios. Justice-focused assessments are assessments where students use science knowledge and engineering design practices to solve problems involving matters related to the unequal distribution of consequences (e.g., benefits, harms) to communities that result from human-nature interactions and/or unequal voice of communities in matters affecting their thriving and sustainability.

[Minecraft Sustainable City](#)-free lessons on sustainable food production, water treatment, recycling, sustainable foresting, and alternative energies.

[Climate Generation Curriculum](#)-Grades 3-12 curriculum resources in the form of curriculum guides, as well as online modules that can be downloaded for free. All of these resources are interdisciplinary and can be used in the following classes: earth science, life science, physical science, civics, economics, history, media, English Language Arts, environmental science, geography, and art.

[NEEF Watershed Sleuth Challenge](#)- With NEEF's Watershed Sleuth Challenge, students will learn more about their local watershed—what it is, why it's important, and what they can do to help protect it—as they earn badges at each level of this three-part course.

[Nautilus Live STEAM Education Resources](#)-Ocean Exploration Trust's Nautilus Exploration Program has a collection of science, technology, engineering, art, and math (STEAM) education resources to engage K–12 learners of all levels in the excitement of deep-sea exploration and ocean studies. The resources are designed for use in either in-person or remote learning settings and include a mix of standards-supported STEM learning modules, engineering design challenges, creative projects, teaching animations, data-driven activities, videos, and more.

[Good Thinking! The Science of Teaching Science](#)-This Smithsonian Science Education Center original web series is designed to support K-12 science educators through targeted short-format videos that explore common student ideas and misconceptions about a range of science topics such as energy, chemical reactions, and natural selection, as well as pedagogical subjects like student motivation and the myth of left and right-brained people.

[Correo Real “Royal Mail” citizen science project for Monarchs](#). The site is in Spanish and English, for bilingual learning, and links to wonderful resources in the US and in Mexico. They also have a [Spanish only educator guide \(PDF\)](#) full of activities. Also a related [video and the activity from the Correo Real Educator guide called Hijas del Sol](#).

[Enviro-Time Storytime: Recommended Environmental Reading Lists for Children Pre K-12, 2nd Edition \(PDF\)](#) connects readers and read-aloud listeners to the Great Lakes’ and global environments, highlighting diversity in the coastal sciences, books by and about Indigenous North Americans, environmental activism, sustainability, sturgeon conservation, and Great Lakes stewardship.

[OPEN SOURCE BOOK: Curriculum and Learning for Climate Action](#)- to effectively achieve Target 4.7 of the UN Sustainable Development Goals (SDGs), Universal Education for Sustainable Development (ESD), and Global Citizenship Education (GCED).

[FreshFarm Curriculum](#)- for pre-K through 5th grade. Free lessons that have been sequenced according to seasonal topics and adaptable for a range of uses from embedded programming, to supplementing classroom education, to garden-based learning.

[TREES](#)- curriculum for Teaching Reforestation Environmental Engagement and Sustainability.

[The Connect-Kids-to-Parks Field Trip Grant Program](#) (Connect Kids)- each grant provides reimbursement of up to \$40 per student (and \$80 for Special Education students) for field trips to state and federal parks, education and nature centers, forests, historic sites, fish hatcheries and other outdoor recreation areas.

[Living in the Intertidal](#)-video on what nature can tell us about managing future waves of change and enduring the churn of uncertainty.

[Ecology Project International Teacher Fellowships](#)- professional development program that gives a diverse range of educators an opportunity to collaborate with one another on real-world conservation projects and learn EPI's methods for teaching field science. Spend 8 days connecting with other educators, developing field science skills and exploring amazing locations.

[The Anatomy, Life Cycle, and Habitat of Mosquitoes](#)-Prevent & Protect's lesson plans bring the fun in the classroom indoors! Share with your elementary, middle, or high school students about a mosquito's anatomy and life cycle, as well as crucial ways to avoid the spread of mosquito-borne illnesses.

[Teaching and Learning with Story Maps](#)-simple web apps that combine interactive maps, multimedia content, and user experiences to tell stories about the world and can be used effectively for environmental issues.

[Tree-Plenish](#) works with high school students in schools throughout the country to plant trees. The trees planted offset the paper used throughout the year in the school. Visit their website to find out how you can work with this organization to plan a tree planting event at your school and tree-plenish your paper usage!

[Sea Turtle Resources](#)- Sea turtles are a key part of marine ecosystems worldwide and they face many threats today. Celebrate Sea Turtle Week with NOAA and learn turtle facts, research features, turtle conservation programs, and more.

[Cool Science Instruments](#) - glimpse some of the technology that chemists at NOAA's Northeast Fisheries Science Center have used to investigate marine environments since the 1960s when they measured dissolved oxygen and alkalinity of seawater samples to more recent chemistry-focused research today.

[Our Beautiful Planet](#) is a series of compelling 5-7 minute science films highlighting the cutting-edge research that climate scientists are doing to solve some of the world’s most pressing issues.

[Using Origami to teach about Endangered Animals](#)-Ideas for creating curriculum using origami (folder paper art).

[EcoRise's Introduction to Environmental Justice lessons](#) - foundation for students' understanding of environmental justice (EJ) history and concepts for elementary, middle, and high school students.

[Greening STEM Activities, Lessons and Curricula](#)- Grade 1 through high school.

[Additional resources](#)

Contests, Fellowships and Awards

[Arbor Day Poster Contest](#) -The New York State Department of Environmental Conservation (DEC) is accepting submissions for the 2023 Arbor Day Poster Contest. Arbor Day is a national day that encourages people to celebrate, plant, and care for trees. Each year the DEC invites the public to submit photography and/or artwork to be considered for the State Arbor Day Poster. Photographs must be taken in New York State and artwork must be of a New York State location. Deadline: **December 31, 2022**.

[Presidential Awards for Excellence in STEM Teaching Excellence Award](#)-The National Science Foundation (NSF) administers Presidential Awards on behalf of the White House Office of Science and Technology Policy (OSTP). The awards are the nation's highest honors for teachers of STEM, including Computer Science. This year's (2022-2023) awards will honor teachers working in grades 7-12. Nominations close **January 9, 2023**.

[Apply now for the President's Environmental Youth Award](#)-The President's Environmental Youth Award (PEYA) recognizes outstanding environmental stewardship projects developed by K-12 youth. The PEYA program honors a wide variety of projects developed by young students, school classes and clubs, youth camps, and youth organizations to promote environmental awareness and action in schools and communities. Each year, each of the 10 EPA regional offices selects up to one winner in each age group – Grades K-5 and Grades 6-12. Award winners receive a Presidential plaque. Deadline: **January 11, 2023**.

[The 2022 Changemaker Video Challenge](#)- Do you know any teens who are frustrated with the world and want to do something about it?! Encourage them to submit a video on one of the United Nations Sustainable Development Goals (SDGs) highlighting their views and how they want to see things change! Teens simply create a short two-minute video showcasing their idea! 10 winners will be selected to receive up to \$500 to implement their vision. Deadline: **January 23**.

["Pollution Prevention Works: A Storytelling Challenge for Students"](#). EPA will award a total of \$50,000 in prize money through this video challenge. High school and college students are invited to create stories illustrating how businesses in the U.S. are reducing toxic chemical releases through innovative pollution prevention practices, and by having a positive impact on the environment and communities. Participants have a chance to win up to \$5,000. Deadline: **February 17**.

[Population Education's World of 8 Billion student video contest](#) challenges students to create a short video connecting world population growth to one of three global topics: Climate Change, Waste, and Gender Equality. Videos should include content on how population growth affects the selected topic and why it's important, along with at least one sustainable solution. More than 80 cash prizes of up to \$1,200 will be awarded. Deadline: **February 22**.

[Slingshot Challenge](#), is a global video challenge designed to amplify the voices and ideas of the next generation of planet protectors. Participants will be asked to create a one-minute video outlining an innovative solution to a current environmental issue that they're passionate about. Winning videos will be selected by a panel of judges to receive cash prizes, as well as an invitation to the iconic National Geographic Explorers Festival in Washington, D.C. Students ages 13-18 and educators looking for ways to engage young people around environmental action are encouraged to [sign up](#). Participation is free! Deadline: **February 23**.

Grant and Scholarship Opportunities

[Park and Trail Partnership Grant](#)- Are you New York State OPRHP or DEC property? Does your organization need funding to: Update your exhibits or signage, increase your marketing efforts to increase your memberships, replace or purchase new park or site amenities to enhance the visitors experience. Deadline: **December 9**.

[Walmart Local Community grants](#) ranging from \$250 to \$5,000. Funding areas include environmental sustainability, diversity and inclusion, education, and more. Deadline: **December 31**.

[Farm to School Grants](#)-Each grant helps implement farm to school programs that increase access to local food in eligible schools, connect children with agriculture for better health, and inspire youth to consider careers in agriculture. Deadline: **January 6**.

[Fishery Research Program](#) and [Sea Lamprey Research Program](#) – Deadline: **January 15, 2023 at 11:59 pm ET**.

[Political Subdivisions Solid Waste Infrastructure for Recycling Grants](#)- For counties, cities, towns, parishes, and similar units of government to fund projects that improve materials management and infrastructure, including collection, transport, systems, and processes related to post-use materials that can be recovered, reused, recycled, repaired, refurbished, or composted. Deadline: **January 16, 2023**.

[Recycling Education and Outreach Grants](#) -For states, tribes, territories, local governments, and other organizations to fund projects to improve consumer education and outreach on waste prevention, reuse, recycling, and composting by providing them with the practical tools needed to reduce waste generation, decrease contamination in the recycling stream, and increase recycling rates across the country in a manner that is equitable for all. Deadline: **January 16, 2023**.

[20th Annual P3 Awards: A National Student Design Competition Focusing on People, Prosperity and the Planet](#)- Teams may be composed of undergraduates and/or graduate students. Each student team must include a faculty advisor who must be a professor at the participating academic institution and will serve as the Principal Investigator throughout the P3 competition and grant award process. Deadline: **February 1**.

[The Outdoor Recreation Legacy Partnership \(ORLP\)](#) is a nationally competitive program targeting grant assistance to help economically disadvantaged urban communities with no, or almost no, access to publicly available, close-by, outdoor recreation. Funds can be used for the acquisition and/or development of, or to substantially renovate obsolete, public parks and other outdoor recreation spaces. Projects are selected for funding by the Director of the NPS. Deadline: **May 31, 2023**.

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

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

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

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

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

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

[Global Youth Mobilization Grant](#)-Do you have an idea for a solution to overcome a community challenge created by the COVID-19 pandemic? Any young person between the ages of 14 – 30 can apply for funding from \$500 – \$5,000. All you need to do is complete a short application form setting out your idea, what you want to achieve with the funding and upload a short video explaining why you should be awarded the funding. Deadline: **Rolling**.

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

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

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

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

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. Conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. Deadline: **Rolling**.

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

[Wells Fargo Clean Technology and Innovation Grant Program](#) funds projects and programs related to research and development for new and emerging clean technologies by working with universities, colleges, research institutes and laboratories as well as entrepreneur incubator, accelerator and business plan competitions. If you would like to submit a topic for consideration, provide a brief description (150 words or less).

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

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

[Cornell Douglas Foundation](#)- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. Deadline: **Rolling**.

[Food Waste Grants](#) –reimburses businesses that generate over one ton of food waste per week to offset cost of select technologies and equipment that reduce or divert that food waste from landfill or incineration. Projects must reduce and/or divert wasted food at a NYS business including, but not limited to, supermarkets, restaurants, and hospitals. Deadline: **Rolling**.

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

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

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

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

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

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

[Doris Duke Environment Program Grants](#) -For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. Deadline: **Rolling**.

[WalMart Community and Education Grants](#) . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over \$250. For requests under \$250, get a local donation form from your nearest Walmart at the customer service desk.

[Environmental Research and Education Foundation](#). Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

[Toshiba America Foundation](#). Rolling deadline. Grades 6-12 Teachers. Under \$5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. **Deadline for grants over \$5,000 is August 1.**

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)- awards grants of \$750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. **Rolling deadlines**.

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. Grants are available for \$500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. **Rolling deadline**.

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

[The Coca-Cola Foundation](#) partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. **Rolling deadlines**.

[Kresge Foundation's Healthy Environments grant program](#) seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Application deadline: **Rolling**.

[Cisco Global Impact Cash Grants](#) support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of services. Deadline: **Rolling**.

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

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

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

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

Employment and Internship Opportunities

[NYSAR 3 Coordinator](#) - Part Time, Independent Contractor for New York State Association for Reduction, Reuse, and Recycling (NYSAR 3). Remote, based within New York State. 15hrs/week. Travel expected for in-person conferences, events, and the annual Board Retreat. Deadline: **December 9**.

[Aquatic Invasive Species Program Manager WNYPRISM](#)-The Aquatic Invasive Species Program Manager (Program Manager) will work to engage the public and partners in aquatic invasive species spread prevention and management. Deadline: **November 4**.

[Pollution Prevention Engineer](#)-Golisano Institute for Sustainability, CIMS Pollution Prevention Institute.

[Senior Pollution Prevention Engineer](#)- Golisano Institute for Sustainability, CIMS Pollution Prevention Institute.

[Land Specialist](#)-Chautauqua Watershed Conservancy (CWC) is seeking to fill its Land Specialist position. The Land Specialist will be the primary staff person communicating and developing relationships with owners of high priority lands identified for conservation and working with them to conserve lands through donation, purchase, bequest, and/or conservation easements. Open until filled.

[Head of Exhibits](#)- Buffalo Science Museum. Open until filled.

[EFNEP Educator](#)- Dunkirk, full-time. Position requires in-person and virtual presentation to small groups and individuals, and recruitment of participants from limited resource families. 40 hours per week, flexible schedule, \$15-\$19/hr. Associates degree and ability to meet travel requirements is required. Willing to train the perfect candidate. Deadline: **January 9, 2023.**

[Malthouse and Orchard Fieldwork Position: Niagara Malt](#)- Part-time (20-30hrs/week) with flexible hours for orchard work.

[Aquarist I](#)-Aquarium of Niagara. Deadline: until filled.

[Aquarist II](#)-Aquarium of Niagara. Deadline: or until filled.

[Part-time Educator](#)-Aquarium of Niagara. Deadline: until filled.

[PUSH Buffalo Executive Director](#)-**Open until filled.**

[Shelter and Animal Care Giver Assistant: ASHA Sanctuary](#)-\$20/hr. **Open until filled.**

[Animal Keeper 1](#)-Buffalo Zoo.

[Compost Operations Manager](#)- Full-time. EcoVerde Organics. Open until filled.

[Aquarium of Niagara Internships](#)-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

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

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

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

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

[EquiStar Intern](#) will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions. She/he will have the opportunity to assist with planning and delivering the therapeutic riding programming along with learning the day-to-day responsibilities of operating a stable..

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

Citizen Science

[Become a Water Reporter](#)- Download the App and record signs of water pollution, plastic debris or wildlife issues.

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

[Hemlock and HWA Hunters](#)-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu or info@nyshemlockinitiative.info.

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

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

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

[Other Citizen Science Programs](#)

[More](#)

Upcoming Community Activities:

Thursday, December 1

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

Sunrise on Snowshoes-07:00 AM - 08:30 AM at Joseph Davis State Park. Welcome in the day (and the new month!) on an invigorating snowshoe around the park! Snowshoes available for loan for the duration of the program. To register call (716) 282-5154.

Intro to Farm Animal Welfare Certifications- 4 p.m. to 5:30 p.m. ET. In this webinar by Food Animal Concerns Trust (FACT), learn the basics of farm animal welfare certification programs: what they are, the differences between existing programs, the value of certification, how to become certified, and funding opportunities to help you achieve certification. [Learn more and register.](#)

Microplastics: What They Are, How to Find the Data, and How to Get Involved-10:00 - 11:00 am ET. [Register](#) for the webinar.

Great Lakes HABs Collaborative Webinar- 3:30 pm – 5:00 pm ET titled *Great Lakes HABs- A Regional Update*. The webinar will feature lake-by-lake reports on HAB-related issues and research, including experts from NYSDEC who will present on Lake Ontario HABs issues and research. Register in advance using the following link: <https://bit.ly/HABsWebinar>.

Friday, December 2

What's Bugging You- Get practical solutions to pest problems on [Zoom](#) from noon to 12:30 p.m. on the first Friday of each month. This series is offered by [Cornell Cooperative Extension Chautauqua County](#), in partnership with the [New York State integrated Pest Management Program \(IPM\)](#). Each month, speakers will share practical information about how you can use IPM. [Register here](#) or call CCE Chautauqua at 716-664-9502. Topics this month- Homeowner update on emerald ash borer management and Creepy crawly Christmas – what to do if you find insects in your Christmas tree.

Understanding Disaster Finance: New Tools for a More Resilient Future-1pm webinar. Join [Carolyn Kousky](#) for a presentation on why traditional insurance markets fall short in meeting the needs of a world coping with climate change and how new insurance and risk transfer markets can help create thriving and resilient coastal communities and ecosystems. [Register.](#)

Buffalo Maritime Center Speaker Series: 90 Miler Canoe Race in the Adirondacks- 6pm. (doors and cash bar at 5PM) at the Ukrainian American Civic Center, 205 Military Road, Buffalo, NY 14207. Rescheduled.

Saturday, December 3

Goat Island Gull Watch-7:00 AM - 09:30 AM at Niagara Falls State Park. The Niagara River houses many species of gull each winter. Come find them and other birds on Goat Island with a park Naturalist. To register call (716) 282-5154.

Gorgeous Gulls: Devils Hole State Park- Buffalo Audubon from 10am to noon, rescheduled from Nov. 19. Join us for a hike into the Niagara River Gorge for an up-close view of the gulls on the "roosting rocks" downstream from the Whirlpool. Many different species of Gulls can be seen each year on the Niagara River, and we'll try to find as many as we can. Binoculars are available. Donations gratefully accepted. [Register.](#)

Foundations of Horticulture: Advanced Plant Propagation—On-site at the Botanical Gardens-in the Administration Building, Saturdays, 10:30am-12:30pm. \$25 per class, \$22.50 per class for Members. Advanced Plant Propagation is the topic. [Register for one class or whole series.](#)

Dose of Nature: Forest Therapy- 10:00 AM - 11:30 AM at Niagara Falls State Park. Immerse yourself in the atmosphere of the forest with a certified Nature and Forest Therapy guide. You will be guided through a series of invitations /prompts to help you connect with your senses and the environment. The walk will blend time for solitude in nature and some light sharing. We will vary between wandering, sitting, and standing to cover no more than a mile. The walk will conclude with tea under the trees (tea is not provided). To register call (716) 282-5154.

Jingle Falls: Holiday Happenings- 11:00 AM - 01:30 PM at Niagara Falls State Park. Stop by the Cave of the Winds Pavilion and join us for a variety of festive fun: kid-friendly crafts, create a card for a veteran, and be sure to have a visit with Santa. No registration required.

Jingle Falls: Winter Wonderland Walk-1:00 PM - 02:00 PM at Niagara Falls State Park. A chance each Saturday to join a park naturalist and discover the winter wonderland that Niagara Falls becomes in the winter months. We'll begin at the Cave of the Winds Pavilion. Registration encouraged at (716) 282-5154.

Tree Cookie Winter Ornaments-11:00 AM - 2:00 PM. Use a small tree cookie (no, not the edible kind) as the wooden foundation for a beautiful winter ornament made of natural materials. Register for the number of ornaments you wish to make and drop in anytime between 11 a.m. and 2 p.m. to enjoy crafting in the Center! A variety of options will be available. [Advance registration required.](#) Space is limited. Age: Ages 5+, Cost: \$8 per material kit. BMS Members save 10%.

The Ecology of the Bird Feeder-10am. Cozy up inside the Education Center to learn how to identify our feathered visitors and explore the ecosystem that forms at the feeders. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Woods Walk: Bark, Bark, Bark-11am. No dogs are allowed at Reinstein Woods, but you can join a guided, leisurely nature walk to identify some of the trees found here. Bring a hand lens and any guidebooks you may have. No registration required. Reinstein Woods Nature Center, Depew.

Sunday, December 4

Public Ice Skating at Canalside-10am to 8pm. <https://buffalowaterfront.com/canalside>

Monday, December 5

Be Septic Smart for Lake Erie-6 to 7:45pm. FREE septic system maintenance workshop at the Aurora Town Public Library. Learn how to save money and protect water quality by caring for your septic system. Free pizza and giveaways. Attendees are eligible for a \$30 rebate off a septic tank pump out. Learn more at www.erie.gov/septicSMART. [Register today!](#)

Tuesday, December 6

IMAGINE Greater Buffalo-12:30 to 1pm. Virtual. [Speaker and theme](#) changes weekly. [Link](#).

Snow Sculpture-6:00 PM - 7:00 PM at Artpark State Park (Earl W. Brydges). Don't let your creativity hibernate! Create your masterpiece using a blanket of snow for a canvas. Program is weather-dependent. To register call (716) 282-5154.

Little Tykes on the Trail- Tiff Nature Preserve. 9:30 - 11 a.m. Enjoy a morning of early childhood fun with a story time, guided trail walk, and playful games to help foster the nature explorer in your child. Bring your own snack to enjoy in the Center or on the Deck. Rain or shine. [Register](#).

Great Lakes Restoration Initiative- virtual public meeting at 2pm to advise on the Great Lakes Restoration Initiative and domestic matters related to the Great Lakes Water Quality Agreement. View notice in the Federal Register [here](#). To participate, [register](#) by December 5th.

Webinar Series for Lake Ontario: International Joint Commission Public Input - 6:30 to 7:30pm. As part of its responsibilities under the Great Lakes Water Quality Agreement, the International Joint Commission (IJC) seeks public input on the Canadian and US governments' [2022 Progress Report of the Parties](#) (PROP). For Lake Ontario. [Register](#).

Wednesday, December 7

Climate Conversations: Insurance-3:00 - 4:15PM ET. Join us for a conversation about how to ensure the insurance industry can continue to support Americans amidst increasing climate hazards. The conversation will be webcast on the [Climate Conversations: Insurance webpage](#) on Wednesday, December 7, 2022 from 3-4:15pm ET. Closed captioning will be provided. The conversation will include questions from the audience and will be recorded and available to view on the page after the event. [Register](#).

Wee Explorer Storytime- 11 a.m. to 12 p.m. for Ages 3-5 at Buffalo Museum of Science. Connect your child with curiosity through the magic of stories! Enjoy a book read-along with a fun hands-on experiment in the Sprouts classroom. All materials provided. \$5 with Museum admission or free for members. [Register](#).

Cocktail Chemistry- Buffalo Museum of Science, 6 - 7 p.m. Learn how to up your mocktail game with color-changing mix-in solutions! Turn the tint using plant-based pH indicators, lemon, and some “basic” additions, all while learning a bit of chemistry. Ages 18+. [Register](#).

Behind-The-Scenes Collections Tours- Buffalo Science Museum, 6 to 8pm, AGES 18+, Take a peek into the Vertebrate Zoology Collection's spine-tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes, and seemingly scientific impossibilities! Marvel at obscure oddities, glimpse the wildly unusual, and satisfy your macabre interests. Feeling enticed yet? We invite (dare) you to join us for a hair-raising tour to get an eyeful of all this, and more. You truly never know what you might encounter in the Cabinet! *Register online or by phone at least one week in advance.* [Register](#).

Climate Science in Alaska; The Present North Pacific Atmosphere- 1 to 2pm webinar. Join for a reflective look at climate science in Alaska and their societal, ecological and physical impacts with illustrative examples. [Register](#).

Nature-Based Trauma Informed Care in BIPOC Communities-1 to 2pm. Presented by the [National Environmental Education Foundation](#) (NEEF) this webinar will examine the mental and physical health implications of nature scarcity and how engaging in green spaces can be a source of healing and restoration for BIPOC (Black, Indigenous, and People of Color) communities. [Register now](#).

Material Reuse: Impact of Building Materials Reuse on Climate Change- 11:30am – 1pm , [Register Here](#)

Avoiding the use of new building materials is key to decreasing the built environment's impact on climate change. This second Reuse Deep Dive Forum will feature three speakers presenting studies and data about the impact of deconstruction, historic preservation, and reusing materials on climate change.

Thursday, December 8

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

Green Drinks-Network with environmental folks at 5:30pm at Southern Tier Brewery, 7 Scott St, Buffalo, NY 14203. The event is also listed on [Facebook](#) and on the [Green Drinks webpage](#).

Behind-The-Scenes Collections Tours- Buffalo Science Museum, 2 to 4pm, Take a peek into the Vertebrate Zoology Collection's spine-tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes, and seemingly scientific impossibilities! Marvel at obscure oddities, glimpse the wildly unusual, and satisfy your macabre interests. Feeling enticed yet? We invite (dare) you to join us for a hair-raising tour to get an eyeful of all this, and more. You truly never know what you might encounter in the Cabinet! *Register online or by phone at least one week in advance.* [Register.](#)

Science in the Pub- @ 7:00 pm EDT -Speaker TBD. [Register.](#)

2022 Gilbert F. White Lecture: Energy Justice- 4:30 to 5:30pm. Join the Honorable Shalanda H. Baker, Director of the Office of Economic Impact and Diversity at the U.S. Department of Energy, for a conversation on how to ensure the clean energy transition benefits underserved communities. [Register.](#)

Webinar: Behavior Change for Climate Action- 2:00 pm ET. Caroly Shumway, Ph.D., Director of The Center for Behavior and Climate will join ISSP to discuss behavior change for individual and collective action in advancing climate action, including identifying effective strategies for outreach and communication. [Register.](#)

Friday, December 9

Birds and Brews - Pearl Street Grill and Brewery, 6:00 PM to 10:00 PM. Join Buffalo Audubon for a Holiday Celebration of Birds in Western New York in Downtown Buffalo! Test your birding knowledge with trivia, bid on local bird photography in a silent auction, and more!

Art Of Science- Buffalo Science Museum, 12 - 12:30 p.m. Create your own science craft and learn how it relates to one of our interactive science studios. All materials provided. Registration required. [Register.](#)

NYS Hemlock Initiative and Biological Control of the Invasive Hemlock Woolly Adelgid- 6 to 7pm at Cooke Hall - University at Buffalo, 135 Founders Plaza, Buffalo, NY or virtual. Seminar by Dr. Mark Whitmore, leader of the Hemlock Woolly Adelgid Biocontrol Research Lab at Cornell University. Hemlocks are incredibly important to our ecosystems here in New York State. These trees are a slow growing, but imperative species in our climax forests. Talk will delve deep into this important species and the biocontrols being developed in the Hemlock Woolly Adelgid Biocontrol Research Lab. Open to the public and will be broadcast live and interactively on [Zoom](#) for those who are unable to attend in-person.

Saturday, December 10

Goat Island Gull Watch-7:00 AM - 09:30 AM at Niagara Falls State Park. The Niagara River houses many species of gull each winter. Come find them and other birds on Goat Island with a park Naturalist. To register call (716) 282-5154.

Not a Creature Was Stirring-10am. Take a guided walk to learn about how our local wildlife get ready for the long winter season. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Wright Rocks-11:30am. special geological tour of Graycliff, at Graycliff, 6472 Old Lakeshore Rd., Derby. Discover the history of the land, the architecture, and the material choice of architect Frank Lloyd Wright. This 90-minute tour of Graycliff, led by a Penn Dixie staff member with expertise in the geological significance of the site, includes both floors of the main house. Tickets are \$35 for adults and \$15 for students. [Buy tickets here.](#)

Foundations of Horticulture: Hydroponics—On-site at the Botanical Gardens-in the Administration Building, Saturdays, 10:30am-12:30pm. \$25 per class, \$22.50 per class for Members. Advanced Plant Propagation is the topic. [Register for one class or whole series.](#)

Jingle Falls: Holiday Happenings-11:00 AM - 01:30 PM at Niagara Falls State Park. Stop by the Cave of the Winds Pavilion and join us for a variety of festive fun: kid-friendly crafts, create a card for a veteran, and be sure to have a visit with Santa. No registration required.

Trees Without Leaves-1:00 PM - 03:00 PM at Devil's Hole State Park. Take a walk to Whirlpool State Park from Devil's Hole State Park and learn to identify trees by bark and twig. To register call (716) 282-5154.

Jingle Falls: Winter Wonderland Walk-1:00 PM - 02:00 PM at Niagara Falls State Park. A chance each Saturday to join a park naturalist and discover the winter wonderland that Niagara Falls becomes in the winter months. We'll begin at the Cave of the Winds Pavilion. Registration encouraged at (716) 282-5154.

Sunday, December 11

Evangola Christmas Bird Count-10:00 AM - 12:00 PM at Evangola State Park. Be a part of the annual tradition and join us for our Evangola Christmas bird count! We will be birding as a group and both veteran and beginner birders are invited to join. To register call (716) 549-1050.

Tuesday, December 13

IMAGINE Greater Buffalo-12:30 to 1pm. Virtual. [Speaker and theme](#) changes weekly. [Link.](#)

Wednesday, December 14

Food Policy Council Meeting-4pm. Please email FPC@erie.gov for virtual meeting information.

Wish Upon a Shooting Star-9:00 PM to 11:00 PM at Fort Niagara State Park. Winter stargazing during the biggest meteor show of the year: The Geminids. On a cool and crisp night catch a glimpse of this wonder, and gaze at the stars above. To register call (716) 282-5154.

WNY Sustainable Business Roundtable Holiday Happy Hour-4:30 to 8pm for drinks, food, trivia, and more at Duende at Silo City 85 Silo City Row Buffalo, NY 14203! Tickets for non-members are **only \$15**, making this a great opportunity to network with like-minded businesses in our area. [Register today](#)

Beyond COP27: Sustaining Momentum for Climate Action-2pm. In this webinar series, we will debrief the events of COP27 among experts in our member community and discuss how to effectively sustain action on loss and damage, mitigation, and just transition; all topics that were at the forefront of this COP. [Register.](#)

Geology Rocks!-Buffalo Museum of Science from 6-8pm. Holmes! What kind of rock is this? Sedimentary, my dear Watson. Learn why this and other CoRn Y jokes are funny by investigating the Museum's Geology Collection. What you see on display is just the tip of the iceberg. Come behind the scenes and see the rock cycle, marvel at our minerals and discover our large fossil collection. [Register.](#)

Bugging Out- Buffalo Science Museum from 6 - 7 p.m. Get up close and personal with the Museum's collection of live invertebrates. See inside our living local biome case, learn about the care and feeding of our various species, and even get hands-on if you like! Ages 18+. [Register.](#)

Thursday, December 15

Solve Problems and Reduce Risk with Healthy Soil -9am to 3pm. Farmers and agricultural service providers are invited to attend the Western New York Soil Health Alliance's Soil Health Workshop and Annual Meeting. Registration and coffee will be open at 8:30. This year the meeting will be both in person and virtual. A Zoom link to the virtual presentations will be provided the evening before the event. WHERE: Quality Inn, Batavia NY + VIRTUAL, 8250 Park Road, Batavia. [REGISTER HERE](#).

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

Daytime Geology Rocks!*- Buffalo Museum of Science, 2 - 4 p.m. Holmes! What kind of rock is this? Sedimentary, my dear Watson. Learn why this and other CoRn Y jokes are funny by investigating the Museum's Geology Collection. What you see on display is just the tip of the iceberg. Come behind the scenes and see the rock cycle, marvel at our minerals and discover our large fossil collection. [Register](#).

Air & Waste Management Holiday Social- 6 to 8pm Big Ditch Brewing Company. 55 East Huron, Buffalo, NY 14203. Food and drink tickets will be provided. All are welcome. [Register](#).

Friday, December 16

Public Skating at Canalside- 1 to 10pm. <https://buffalowaterfront.com/canalside>

Saturday, December 17

Goat Island Gull Watch-7:00 AM to 09:30 AM at Niagara Falls State Park. The Niagara River houses many species of gull each winter. Come find them and other birds on Goat Island with a park Naturalist. To register call (716) 282-5154.

Jingle Falls: Holiday Happenings- 11:00 AM - 01:30 PM at Niagara Falls State Park. Stop by the Cave of the Winds Pavilion and join us for a variety of festive fun: kid-friendly crafts, create a card for a veteran, and be sure to have a visit with Santa. No registration required.

Beaver Meadow Christmas Bird Count- Meet at 8am at Beaver Meadow Nature Center. Contact Tom Kerr at tom@buffaloudubon.org

Wilson-Lake Plains Christmas Bird Count- Contact Joel Strong, joelstrong78@yahoo.com, [727-519-4043](tel:727-519-4043)

Jingle Falls: Winter Wonderland Walk-1:00 PM - 02:00 PM at Niagara Falls State Park. A chance each Saturday to join a park naturalist and discover the winter wonderland that Niagara Falls becomes in the winter months. We'll begin at the Cave of the Winds Pavilion. Registration encouraged at (716) 282-5154.

Mixed Flock-10am. Join us as we search for winter birds that join feeding flocks. Binoculars provided. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Woods Walk: Who's Here and Who's Not?-1pm. We'll look for animal signs in winter on this guided walk. No registration required. Reinstein Woods Nature Center, Depew.

Hot Chocolate Hike- Tiff Nature Preserve from 6:30 - 8 p.m. Stretch your legs with a guided wintry nighttime walk and warm-up afterwards with delicious hot chocolate and mix-ins indoors! [Register](#).

Sunday, December 18

Birding at Fort Niagara-7:30 AM - 09:30 AM at Fort Niagara State Park. Come identify birds and discuss the importance of Lake Ontario for overwintering birds at Fort Niagara To register call (716) 282-5154.

Knox Farm Christmas Bird Count-10:00 AM - 12:00 PM at Knox Farm State Park. Be a part of the annual tradition and join us for our Knox Farm Christmas bird count! We will be birding as a group and both veteran and beginner birders are invited to join. To register call (716) 549-1050.

A Naturalists View: Winters Beginning-1:00 PM - 03:00 PM at Knox Farm State Park. Bring your curiosity and sense of wonder as we go on a naturalist's saunter to explore the approaching start of the winter season. We will enjoy all we see, making observations, following our curiosity, and learning from each other. To register call (716) 549-1050.

Buffalo Christmas Bird Count- Grand Island, Contact David Gordon, dgordonphoto@yahoo.com
[716-390-1429](tel:7163901429)

Monday, December 19

The College Lodge Forest: Chautauqua County's Hidden Gem- Virtual event from 7-8pm. The College Lodge Forest in Fredonia is now a permanently protected nature preserve as well as a member of the nationwide Old-Growth Forest Network. Join the Western New York Land Conservancy to learn what we have planned for this incredible place, one of Western New York's hidden gems. Stewardship Director Josh Balisteri will give a brief summary of our public access plans, including the trails, while Stewardship Coordinator Erik Danielson will outline our habitat restoration/invasive species plans. You'll learn about what we have in store for 2023, and you'll also have the opportunity to ask us questions. Free, but [register](#) for the link.

Tuesday, December 20

IMAGINE Greater Buffalo-12:30 to 1pm. Virtual. [Speaker and theme](#) changes weekly. [Link](#).

Wednesday, December 21

Public Skating at Canalside- 3 to 7pm. <https://buffalowaterfront.com/canalside>

Thursday, December 22

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

Friday, December 23

Public Skating at Canalside- 10am to 10pm. <https://buffalowaterfront.com/canalside>

Saturday, December 24

Public Skating at Canalside- 10am to 10pm. <https://buffalowaterfront.com/canalside>

Sunday, December 25

Happy Holiday!

Monday, December 26

Public Skating at Canalside- 10am to 10pm. <https://buffalowaterfront.com/canalside>

Tuesday, December 27

IMAGINE Greater Buffalo-12:30 to 1pm. Virtual. [Speaker and theme](#) changes weekly. [Link](#).

Wednesday, December 28

Night Light Walk-6:30pm. Bring your flashlights and lanterns to explore Reinstein Woods at night. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Oak Orchard Christmas Bird Count- Contact Celeste Morien, celeste.morien@gmail.com, [585-721-8202](tel:5857218202)

Thursday, December 29

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

Sunset on Snowshoes-4:00 PM - 05:30 PM at Fort Niagara State Park. As the month (and the year!) come to a close, come and enjoy a contemplative snowshoe stroll with a park naturalist. Snowshoes are loaned for free for the duration of the program. To register call (716) 282-5154.

Learn To Cross-Country Ski-10am. Learn the basics of cross-country skiing before going on a short, guided ski tour. Rentals are \$15/person, \$10 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Friday, December 30

Public Skating at Canalside- 10am to 10pm. <https://buffalowaterfront.com/canalside>

Saturday, December 31

Last Day Hike- 10:00 AM to 12:00 PM at Woodlawn Beach State Park. End the year with a walk in nature along one of the best remaining sand dune environments on Lake Erie. To register call (716) 549-1050.

New Year's Eve Learn to Snowshoe Walk-10am. Say goodbye to 2022 by trying a new winter activity—snowshoeing! Rentals are \$10/person, \$7 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Center, Depew.

Hamburg-East Aurora Christmas Bird Count- Tom O'Donnell, tmodonnell@roadrunner.com, [716-284-5569](tel:716-284-5569)

Sunday, January 1

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

First Day Hikes throughout NY-Check out the options at <https://parks.ny.gov/events/first-day-hikes.aspx>

Public Comments, Civic Engagement and Activism

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

Contact elected representatives today! You don't have to be an energy or climate expert to make a difference. [Get their contact info.](#) Then weigh in on the below! For sample emails to send to policy makers, check out Step 1 at <https://www.aashe.org/Climate-Solutions/>. Sign up for up-to-date policy alerts [here](#).

1. **Infrastructure bill implementation:** Contact your elected officials and encourage them to spend funding on needed infrastructure with climate-friendly solutions.
2. **State energy efficiency** - Check out ACEEE's [state energy efficiency scorecard](#). NY is # 5. Contact your state legislators and governor to let them know you support their efforts to make our state more energy efficient for a healthier environment and economy.
3. **On a Campus?** Universities and colleges must be ambitious when it comes to tackling the climate crisis. One of the most important steps is to commit to the Global Climate Letter – find out more [here](#).

The voters approved The Environmental Bond Act, for \$4.2 billion into environmental projects. The legislature refused to vote for this funding measure and kicked it to voters. Proposed bills to allocate some funding (bills with numbers already have a sponsor) are below:

- Climate and Community Protection Fund creates a pool of money to fund and implement our landmark Climate Act. Its core investments include community benefits and broad labor, procurement, and responsible contracting standards.
- Build Public Renewables Act (A.1466-B / S.6453-A of 2022) would allow the New York Power Authority (NYPA)— to build new large-scale renewables more quickly, effectively, and democratically than private developers, empowering NYPA to meet the Climate Act’s mandate of 70% renewable energy by 2030.
- Climate Accountability Act gives state agencies the power and guidance they need to effectively implement the Climate Act, ensuring that the energy system is accountable and transparent to the public while paving the way to full decarbonization.
- Gas Transition and Affordable Energy Act (S.8198 / A.9329 of 2022) will give the Public Service Commission (PSC) the authority and direction to align gas utility regulations and system planning with the Climate Act’s emission reduction and climate justice mandates.
- Blueprint Bill (S.8405-B / A.9881 of 2022) provides a plan to guide the replacement and redevelopment of New York State’s fossil fuel facilities and sites by 2030. It lays out a direction for moving forward with the transition off fossil fuels per the Climate Act.
- Climate Change Superfund Act (S.9417 / A.10556 of 2022) makes the state’s major oil companies, pay for the harm they’ve caused. The bill assesses and collects a fee representing a company’s share of the cost of damages that the state’s ten worst climate polluters caused through harmful climate pollution.
- The Fossil Fuel Subsidy Elimination Act (S.7438 / A.8483 of 2022) will end state subsidies of \$330 million to climate crisis contributors—the fossil fuel industry.
- Invest in Our New York’s Plan to Fund Our Future is a revenue and spending package from the Invest in Our New York (IONY) coalition that will ensure that the state eliminates wasteful handouts to businesses and that the richest New Yorkers pay what they owe to fund our climate law.

Tips for the Environment:

- **Check the Holiday Meal Waste-** The [Guest-imator calculator](#) helps to calculate portions. It takes less than a minute to get your estimate based on your dinner’s headcount; **Cook with imperfections.** Purchase imperfect produce to use in cooked dishes, such as bruised apples for apple pie; **Compost the rest.** Food scraps that do not consist of meat, dairy, eggs, or oily, fatty foods are most likely able to be composted. You can either add them to your home compost or bring them to a [local food scraps drop-off site](#). **Love your leftovers.** Make a new meal out of your leftovers. You can get creative with innovative recipes on your own or look for inspiration from [Save the Food](#) or [Love Food Hate Waste](#).
- **Choose gifts that come in recyclable, reusable, or nonexistent packages-** Use reusable, recyclable, or repurposed wrapping paper, and hang on to gift bags, cookie tins, and other reusable packaging to use for future gift wrapping. Make a list of all your needs before shopping, then shop at as few stores or websites as possible to cut down on transportation emissions and packaging material.
- **Upgrade any holiday lights to LED bulbs-**you will save money as they use less electricity, last much longer and because they are cooler, they are safer.

Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter. You can also create an account at <https://filemaker.epd-pgh.com/fmi/webd/GreenGuardians> to volunteer with registered organizations.

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

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

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

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

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

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

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

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

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

Buffalo Olmsted Parks Conservancy will assign volunteers to specific clean up and planting projects throughout the summer. Learn more at bfloparks.org/volunteer

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

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

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://www.dec.ny.gov/chemical/8799.html> <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 volunteer@habitatbuffalo.org.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional calendars with local events-

<http://www.citybration.com>

<http://www.buffalospree.com>

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

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

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

<http://buffalorising.com>

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

<https://boredommd.com/>

Useful Tools:

Wildlife Rehabilitator Search- https://www.dec.ny.gov/cfm/xtapps/sls_searches/index.cfm?p=live_rehab

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

[Climate Change and Birds Visualizer](#)- examines how birds are faring across regions
[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
[Personal Plastics Footprint Calculator](#)- measure your footprint for a week or year
[Climate Change Indicators in the United States](#)
<https://emagazine.com/green-jobs/> Green jobs
[Ecosystem Restoration Handbook](#)
[Sustainable Gardening Library Resources](#)
[Working With Nature: A Guide to Native Plants for New York's Great Lakes Shorelines](#)
[Buffalo B-WELL Videos](#)
<http://growitsaveituseit.com/>
[toolkit to reduce synthetic fertilizer use](#)
[#OnesToWatch interactive map](#)-NY invasive species map
[Organics Communications Toolkit to Reduce Waste](#)
[Recycle Coach](#)-Erie County resident app for info on trash and recycling in their towns
[Pollution Prevention Institute Tools for businesses, households, others](#)

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.ecatrail.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/>
Learning Sustainability Campaign- <http://www.learningsustainability.com/>
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](#)

County/New York State Resources

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

Green Jobs, Internships and Opportunities

E-Magazine-<http://greenjobs.net/>
Green Jobs- <http://www.greatgreencareers.com>
UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs
Green Jobs Board- <https://www.browngirlgreen.com/greenjobs>
Additional jobs- <https://www2.erie.gov/index.php?q=job-openings-community>
Green Guardian Environmental Volunteers of Niagara Region- <https://filemaker.epd-pgh.com/fmi/webd/GreenGuardians>

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

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>
<http://assembly.state.ny.us/gan/>
www.grantstation.com
www.grantwatch.com
www.grantsalert.com
<https://attra.ncat.org/index.php>
<https://grantsreform.ny.gov/>

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

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

Backyard Bounty-podcasts on homesteading, beekeeping etc. <https://heritageacresmarket.com/backyard-bounty-podcast/>
Becker Farms- <http://www.beckerfarms.com>
Brewster Street Farm- <https://www.jersbuffalo.org/brewster-street-farm>
Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>
Canticle Farms-<http://www.canticlefarm.org>
Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>
Cool Greens Vertical Farm- <https://www.facebook.com/Cool-Greens-Vertical-Farms-2261876070712461/>
Crown Hill Farms-<https://www.crownhillfarm.com/>

Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>
Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>
Falkimmer Farms- <https://www.facebook.com/FalkimmerFarms/>
Farmer Pirates-<http://www.farmerpirates.com/>
Farmers and Artisans- <http://farmersandartisans.com>
Farmthisway CSA - <http://www.farmthisway.com/>
Fenton's Produce- www.fentonsproduce.com
First Light Farm and Creamery- <http://www.firstlightfarmer.com/>
Five Loaves Farm- <https://5loavesfarm.org/>
Fleckenstein Farms-<https://www.fleckensteinfarms.com/>
Fresh Fix -<https://www.freshfix.com/>
Goodman Farms- <https://goodmanfarms.net/>
Gormley Farms- <https://www.facebook.com/gormleyfarms>
Greater Buffalo Urban Growers-<https://www.facebook.com/greaterbuffalourbangrowers/>
Gregs U-Pick- <http://gregsupick.com/>
Groundwork Market Garden- <http://www.groundworkmg.com>
Happy Shacks Oils-free seed library <https://happyshackoils.com/>
Healthy Living Farm- <https://www.healthylivingfarm.com>
Kindred Kreek Farms- <https://www.kindredkreek.com/>
Kubed Root-<http://www.kubedroot.com/>
Little Bear Farm- <http://www.littlebearfarm.harvesthand.com/>
Little Woods Farm-<https://www.littlewoodsfarmalden.com/>
McCollum Orchards- <http://mccollumorchards.com/>
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>
Native Offerings- <http://nativeofferings.com/>
Niagara Malt- www.niagaramalt.com
Plato Dale Farm- <https://platodalefarm.com/>
Porter Farms- <http://www.porterfarms.org/>
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
Teacup Farm- <http://www.teacupfarm.com/>
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
Utley Acres- <http://utleyacres.com/>
Westside Tilth Farm- <http://westsidetilth.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
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>
Erie County Grown- www.erie.gov/eriegrown

Local Businesses with Classes and Workshops

Badding Brothers-<https://baddingbrosfarm.com/index.html>
Happy Shack Oils and More-<http://happyshackoils.com/>
Lockwood's Greenhouses-<https://weknowplants.com/>
Masterson's Nursery-<https://mastersons.net/>
Sweet Flag Herbs-<http://sweetflagherbs.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)

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

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

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

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

Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.

Bras- www.donateyourbra.com,

Building materials- www.buffaloreuse.org

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

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

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, SunKing drop-offs

Construction Materials- Buffalo ReUse, Habitat for Humanity Restore

Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>,

Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunking.com

City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.

Envelopes, tyvek- contact us at 1-800-44-Tyvek® or 1-800-448-9835 for more information.

Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations

Fishing line: Berkley Recycling, 1900 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, Amvets and other charities

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

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

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

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

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

Ink cartridges-RecyclePlace.com 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/>

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 preserveproducts.com/recycling

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

Eco-volunteering with Travel:

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

<http://www.globalteer.org>

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

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

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

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

Education Courses, 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

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/>

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

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

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

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

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

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

[Archived EPA Climate Change Info.](#)

www.epa.gov/climate-indicators.

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

[Tool for Sourcing Local Meat](#)

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

[iMATTER Youth Movement to Spark Change](#)

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

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

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

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

[2018 Fuel Economy Guide](#)

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

[NOAA National Marine Sanctuary Webinar series](#)

[NOAA One Science Seminar Series](#)

[Green Restaurant sustainability tool](#)

[Mapping Climate Change.](#)

[Socially Responsible Investing and Banking](#)

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

[Promise of Biomimicry](#)

[Pollinators under Pressure](#)

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

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://alleganynaturepilgrimage.com/
Alliance for the Great Lakes	www.greatlakes.org
American Planning Association-WNY Section/Upstate	http://nyupstateplanning.org/www.wnyapa.com
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
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/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Birds on the Niagara	http://www.birdsontheniagara.org/
Black Rock Riverside Alliance	https://brralliance.org/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloudubon.org
Buffalo Blueway	https://buffaloblueway.com/
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	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Heritage Village	http://bnhv.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	https://buffalo-orienteeing.org/
Buffalo Ornithological Society	https://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Buffalo Women of Env. Learning/Leadership (BWell)	https://bwell.community/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/

Citizens for Regional Transit	www.citizenstransit.org/
Clarence Bluebird Trail	https://lambluebirdtrail.org/
Clean Air Coalition of Western New York	https://www.caewny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.coalitionpositive.org/
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/
Crossroads Collective	https://www.facebook.com/CrossroadsBuffalo/
Daemen University Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Drave's Arboretum	https://www.facebook.com/dravesarboretum/
Earth Spirit Educational Services	www.earthspiritedu.org
EforAll	https://eforall.org/
Environmental Advocates NY	www.eany.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency	http://www2.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.ecswed.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb
Field and Fork Network	http://fieldandforknetwork.com/
500 Women Scientists, Buffalo Chapter	https://500womenscientistsbuffalo.wordpress.com/
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
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	www.gardenclubsofwny.com
Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/

Go Buffalo Niagara	http://gobuffaloniagara.org
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Research Consortium	https://www.esf.edu/glrc/
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://tlol.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.lyceumsilo.city/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/

Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylev.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	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/
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York Upstate Chapter, Landscape Architects	https://www.nyuasla.org/
New York State Wetlands Forum	http://www.wetlandsforum.org/index.html
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/

Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	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/
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Our Outer Harbor	http://www.ourouterharbor.org/
Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
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	http://www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	https://www.facebook.com/ThePrimateSanctuary
Providence Farm Collective	http://providencefarmcollective.org/

PUSH Blue	https://www.facebook.com/PUSHBlueWNY/
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
Restore our Community Coalition	http://rocbuffer.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.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)	http://niagarasierraclub.com/
Slow Roll Buffalo	https://www.facebook.com/groups/slowrollbuffalo/
South Buffalo Alive	www.facebook.com/South-Buffero-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	www.facebook.com/21stCenturyParkOnTheOuterHarbor/

UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
Urban Land Institute	http://newyork.uli.org
Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
US Fish and Wildlife, Lower Great Lakes	https://www.fws.gov/office/lower-great-lakes-fish-and-wildlif
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	https://voicebuffalo.org/
Wellness Institute	https://creatinghealthycommunities.org/
Western Chapter New York Water Environment Association	http://nywea.org/
WNY Native Plants Collaborative	https://www.wnynativeplants.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.wnyea.org
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Herpetological Society	https://www.facebook.com/wnyherpsociety
Western New York Hiking Trails and resources	www.wnyhikes.com
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 Congress	http://wnysc.org/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
Western New York Service Learning Coalition	https://wnyservicelearningcoalition.org
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
WNY Young Birders Club	https://www.wnyybc.org/events
West Side Ministries (716 Ministries)	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/