

Enviro-News

March, 2024

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:

The Riverline Takes Another Step Forward

The Riverline is entering an exciting phase: we are conducting a study to evaluate the social, economic, and environmental impacts of The Riverline. The Riverline Study is a required step before any construction can begin. This means we are getting closer to making The Riverline a reality! We will host three public meetings (**March 9, 12 and 14**), one in each connected neighborhood. These meetings are an essential part of the Study. We want to make sure the community knows the process and timeline, meets the local team, and continues to have a say in helping us shape this great public space. All three meetings cover the same topics. No registration is required. For more info about these events, visit Riverline's new website [here](#).

Green Drinks

Join others to network and enjoy conversation with environmental folks at 5:30pm on **Thursday, March 14th** at 5:30pm at Hartman's Distilling Co., 55 Chicago St, Buffalo, NY 14204. The event is listed on [Facebook](#) and on the [Green Drinks webpage](#).

Side Forward Expo: Clean Mobility Buffalo

Join neighbors and friends on **Saturday March 16** from 11:30am to 3pm for family-friendly activities and learn about the Clean Mobility Transportation improvements under way. Northland Workforce Training Center, 683 Northland Ave., Buffalo [RSVP](#). Clean Mobility Buffalo is an alliance of like-missioned organizations that have banded together to implement an investment of \$10 million in clean transportation improvements throughout the East Side, beginning with the revival of bike trails and the expansion of an e-bikeshare, sparking important conversations about equitable access.

Birthstones: Gem, Mineral and Fossil Show

The 54th Annual Buffalo Geological Society Gem-Mineral-Fossil Show, featuring Birthstones, is rapidly approaching on **March 16-17, 2024**, at the Erie County Fairgrounds in Hamburg, NY. Show hours are 9 am to 6 pm on Saturday and 10am to 5pm on Sunday. Admission is \$7 and children 12 and under and scouts in uniform are FREE. This annual show provides an instant museum of Buffalo Geological Society Members fossils, minerals, and jewelry; demonstrators; the famous Mini-Mine for young collectors; the mining operation for children and adults; mineral and fossil identification; and a variety of non-profit exhibitors. This highly educational family event affords attendees the opportunity to interact with demonstrators who work with minerals and gems. Demonstrators include fossil preparation, jewelry designers, and other lapidary artists. Sandy Cline, international renowned soapstone carver will be demonstrating his art of carving wildlife forms from soapstone.

Tour a Clean Energy Success Story

Join Sustainable Business Roundtable on **March 21** from 5:30-7:30pm for an in-depth exploration of a clean energy success story; the electrification of the Erie County Board of Elections building. This event will provide a firsthand look into the electrification process, illustrating how the transition from fossil fuels to clean energy is breathing new life into this 90-year-old structure. Tour the 120,000-square-foot building at 34 W Eagle St. and learn about the economic and environmental benefits of the transition from traditional heating and cooling systems to cleaner alternatives. Following the tour, we invite you to a happy hour and networking at the [DECO Lounge](#). [Register Now](#) Connect with sustainability-focused professionals through a speed networking session, and enjoy your first drink on us!

Management Workshop for Lawncare and Landscape Professionals

Join WNY PRISM for a free workshop targeting lawncare and landscape professionals! The workshop on **March 13** from 9am to noon will focus on some of the most common invasive species removal requests that WNY PRISM receives from homeowners. We will cover how to effectively treat invasive species such as knotweed, common buckthorn, *Phragmites*, lesser celandine, and more. We will also touch on NYS Regulations Part 575: Regulated and Prohibited Invasive Species as they relate to your management activities. The workshop will be held in the Reinstein Woods Environmental Education Center. **The workshop will be limited to 12 participants. Registration is required by March 11, 2024.** Please register at: <https://bit.ly/management-workshop-2024>.

Spring is Here: Plantasia Time

Plantasia 2024 will take place **Thursday, March 14 – Sunday, March 17** at the Hamburg Fairgrounds. For hours, tickets and schedule, visit <https://plantasiany.com/>

TEDx Buffalo Talks

Tickets are available **NOW** for our 2024 event graciously sponsored by [Alleyway Theatre](#) that will be held there on **March 21st, 22nd and 23rd**. Tickets can be purchased through the [TEDxBuffalo website](#). Come join us and see our five amazing speakers present their ideas worth sharing!

Explore Buffalo Gala

Tickets on sale now for the Explore Buffalo 2024 Gala on **Saturday, March 23**. Come celebrate Explore Buffalo and support our community programs that educate thousands of people annually. Enjoy live jazz, drinks, passed hors d'oeuvres, and entree stations throughout the evening while exploring the beautiful interior of the Twentieth Century Club. [Info and tickets](#).

Join a Sustainability Book Club

Jennifer Arconti Fleming is starting a Sustainability book club to meet for the next few months. If anyone wants to sign up they can email jarconti@gmail.com to sign up. Dates and times will be set with those who are interested.

DEC's Annual Spring Seedling Sale Now Open

The DEC Colonel William F. Fox Memorial Saratoga Tree Nursery's Annual Seedling Sale is happening now through May 10! Dozens of tree and shrub species are available for purchase for conservation plantings across New York State. [Browse this year's selection on our website](#), and get your order in early because many favorites go quickly. We recommend placing your order by phone for the most up-to-date species availability information. Seedlings will be shipped or available for pickup mid-April through early May.

Join the 3rd Annual Hemlock Woolly Adelgid Winter Mapping Challenge!

The eastern hemlock is an iconic element of our forests – creating habitat wherever it stands tall, and keeping our drinking water crisp and clear. An invasive insect called [Hemlock Woolly Adelgid \(HWA\)](#) threatens our hemlock stands in New York, but you can help by joining scientists, conservationists, and volunteers across the state in monitoring the spread of HWA. From February 1 - March 15, the [NY Natural Heritage Program](#) is hosting the 3rd Annual HWA Winter Mapping Challenge in partnership with the [NYS Hemlock Initiative](#). Join the challenge to help map HWA along the “leading edge” of its current range, and compete to win! **To participate:** find some hemlock trees in your area, check for HWA egg masses (look for white fuzz balls on the undersides of twigs – pictured below), and report your findings to [NY iMapInvasives](#). The iMap users who survey the most sites for HWA will win the challenge! Visit the [NY iMapInvasives website](#) to learn more about the challenge and connect with HWA mapping efforts in your area.

Annual Master Gardener Education Day

The Cornell Cooperative Extension (CCE) of Erie County Master Gardener Program will host its 2024 Education Day on **Saturday, March 9, 2024**, from 8:30 am to 3:00 pm. **Registration ends March 8, 2023.** Location is Classics V Banquet Center, 2425 Niagara Falls Blvd, Amherst, NY 14228. [REGISTER HERE.](#) Invited Speakers and Their Topics include “Attracting Bees and Beneficial Insects with Native Plants” and “Creating and Managing Landscapes for Native Bees by Heather Holm, Award-Winning Author and “Dumb Things Not to Do In Your Landscape” by–Tom Mitchell, horticulture instructor at Niagara County Community College. General Public: \$60; CCE Erie MG Program Volunteers: \$45; Out of county MG Volunteers: \$50.

Nature is Art: Silent Auction & Dinner Fundraiser

The Nature is Art: Silent Art Auction and Dinner Fundraiser will be held on **April 13** from 5:30-8:30 at The Park School. It will feature works of various media from 20+ mostly local artists, live art demonstrations, live music, a delicious meal, signature mocktails, and more! This event supports [Earth Spirit Educational Services](#)’ environmental education programming. Since 1980, Earth Spirit has been offering educational programming throughout the Western NY area to connect individuals to the nature world in healthy ways. Thousands of students each year participate in this programming and benefit from such a connection. [TICKETS](#)

Largest Statewide Earth Day Celebration: Canal Clean Sweep

If you're not afraid to get your hands dirty, join us as a Canal Clean Sweep host this year! Our 19th Canal Clean Sweep (the annual spring cleaning of the Canalway Trail system) takes place the weekend of **April 19-21** as a celebration of Earth Day. [Host registration is open](#), so don't miss out. Time to get outside and get the trail ready for the summer!

Spring Sweep Planned for April 20

Mark your calendars for the Spring Sweep organized by Buffalo Niagara Waterkeeper on April 20 from 10am to noon. Site registration will begin in March.

Annual School Seedling Program for Educators

Want to involve your students in hands-on learning about the role of trees in ecosystems while participating in conservation? Since 1985, DEC’s [School Seedling Program](#) has distributed nearly 1 million seedlings to schools and youth organizations across New York State! [Apply online by March 29](#) to receive 25-50 free tree or shrub seedlings from the Colonel William F. Fox Memorial Saratoga Tree Nursery to plant with your students. Each school or organization may receive one order per year.

Earth Month Ecochallenge

Earth Month Ecochallenge's focus this year is conservation, as reflected by our tagline: "Conserving every ecosystem, caring for every creature." The month long April challenge allows individuals and teams to practice earth-friendly activities. Conservation is the dedicated effort to protect and sustainably manage our natural world. It involves preserving diverse ecosystems – from majestic forests to vast oceans, and ensuring the well-being of all creatures, big and small. It's about mindful stewardship of our planet, ensuring it flourishes now and for future generations. [Register.](#)

Grants Available for Public Garden Projects!

Lunenfeld Beautification Grants, named for Garden Walk Buffalo's founder Marvin Lunenfeld, are available for garden-related projects by block clubs and community groups throughout the City of Buffalo. **Applications due by March 15.** For more info, and to apply online, [visit here!](#)

20th Annual Symposium: Energy in the 21st Century

The annual one-day energy symposium will be held on **Friday, April 12** at SUNY ESF Gateway Building in Syracuse. To view the program or register, visit [here](#). The early bird registration discount ends January 15. A streaming option is available for registration as well.

Dig with the Experts 2024

Join us on **June 8th and 9th** for our signature fossil dig — Dig With The Experts! This is our very popular, once yearly opportunity to unearth the best, most complete, and most unexpected fossils at Penn Dixie! We'll have equipment do the heavy lifting and scientific experts on site to help with locating and identifying the best fossils. You'll have to do your share of splitting and digging, of course, but you're guaranteed to find something cool and interesting.

Expert volunteers — including scientists, leading fossil collectors, and experts on local geology — will lead the dig in a freshly excavated section of the Lower Windom Shale and will demonstrate how to find Devonian Period trilobites, cephalopods, fish remains, brachiopods, corals, wood, and a range of other marine invertebrates. Members – please contact us via email here: <https://penndixie.org/contact-us/> or call our office at 716-627-4560 for your discount code. Purchase tickets here: [DWTE 2024 Tickets](#)

Uniting on the High Road: A Conference on Economic Justice at the Local Level

Partnership for the Public Good, Cornell ILR Buffalo Co-Lab, and partners across Buffalo will hold a conference on economic justice on **June 20-22, 2024**. This conference will bring together community activists and leaders working in the broad national movements for racial and economic equality, climate justice, worker rights and power, and a strong democracy. A rich schedule of interactive workshops, community forums, featured speakers, field experiences, and arts events will promote mutual learning and foster future collaboration. More info at ppgbuffalo.org

Volunteer with Massachusetts Avenue Project Farmhouse and Urban Farm

Volunteers are needed on some Tuesdays and Saturdays from 10am to noon at Massachusetts Avenue Project (MAP) farm on Buffalo's West Side. Complete a [Volunteer application](#) to sign up and get more info at www.mass-ave.org.

Funding for Clean Energy Business Interns

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

30 x 30 Biodiversity Regional Discussion

The Western New York Environmental Alliance recently convened a discussion on the ambitious worldwide plan to preserve 30% of earth's ecologically productive land and waters by the year 2030. This plan has been adopted by the UN Biodiversity Conference and has become United States and New York state policy. Speakers from various groups discussed how their groups can actively support the 30 x 30 plan including prioritizing which lands should be preserved and or purchased, repurposing brownfields instead of building on virgin land, and maintaining ecological corridors for wildlife movement. Jay Burney, WNYEA Advocacy Chair, will spearhead the local 30 x 30 initiative by collaborating with interested individuals and organizations to develop an action plan. To provide input please complete a [questionnaire](#) which has an opportunity to sign up for future activities. Use this [link](#) to hear the meeting and presentations in their entirety.

Updated Bobcat Management Plan Available for Public Comment

DEC is seeking public comments on the [draft 2024-2033 Bobcat Management Plan \(PDF\)](#). Since the publication of the 2012-2017 Bobcat Management Plan, DEC has improved data collection and our understanding of bobcat populations by conducting an age-at-harvest analysis of bobcats in Central/Western NY, collecting hunter and trapper effort data, and collecting bobcat observations from the public. The new plan outlines strategies to continue the assessment of bobcat population and harvest trends, as well as provide recommendations for future bobcat management in New York. The updated plan does not recommend any immediate changes in hunting or trapping regulations but addresses information gaps by providing a review of existing data on bobcats and outlining strategies for improving data collection to help future decision-making. A [copy of the plan and summary documents](#) can be found on the DEC website. **Comments on the updated plan will be accepted through March 2, 2024** and may be sent [via e-mail](#).

New York State Organics Summit to Meet in Buffalo

The 10th Annual New York State Organics Summit will take place **April 16-18, 2024** in Buffalo, NY at the Hyatt Regency Buffalo. [Info and registration](#).

Sign up for Earth Month Ecochallenge today!

Registration is open for April Earth Month Ecochallenge. In 2023, more than 17,000 people joined, committing to bring the UN's Sustainable Development Goals to life. This year we're taking action for our ecosystems and everything living in them, no matter how small. And remember, Earth Month Ecochallenge isn't about individual action – it's about the collective positive force of thousands of people, just like you, joining together to create a significant impact. Don't wait – sign up today, explore our categories, and get a head start on choosing your actions. [Register now](#).

Textile Recycling Option for Municipalities

Cyntex has established textile and used clothing collection programs for towns and municipalities. Collected clothing is worth between \$200.00 and \$409.09 per ton FOB. They are looking to expand our collection locations in the state of New York. If your town is interested, please contact: Scott Cynamon, at Cell : 914-772-5865 or Email: Scotttrags@optonline.net. For info, visit www.cyntex.com.

1000 Hours Outside

A new movement is afoot aimed at getting individuals (and families!) outside as much as possible. Playtime is important and '[1,000 Hours Outside](#)' seems like a reasonable goal for an entire year. The movement is about more than movement (if you will). It's also about togetherness.

Household Hazardous Waste Dropoffs

Erie County residents have the option of using the County's "Voucher Drop-off program" which enables residents to bring up to 50lbs. eligible hazardous waste to the Hazman facility in Tonawanda at no cost. Preregistration for this service is required. For more info go to erie.gov/recycling or Hazman directly at 998-8073 or call 716-858-6800. For more info or to ask questions please email us at recycle@erie.gov or call our HHW Hotline at (716) 858-6800.

NY State Transportation Master Plan Survey

Give your input and help the New York State Department of Transportation (NYSDOT) develop the Transportation Master Plan 2050! The Master Plan will define a long-range statewide transportation vision and will guide policies and priorities for New York State's transportation system with an outlook to 2050. Take a two-minute survey and share how New York State's transportation system works for you: <https://publicinput.com/j1748>. Your input will help inform the strategies, policies, and initiatives that NYSDOT includes in the final Transportation Master Plan.

Erie County Releases Community Climate Action Plan

The Erie County Department of Environment and Planning ("ECDEP") released Erie County's Community [Climate Action Plan](#) ("CCAP"), the product of a three-year collaborative process involving over 100 stakeholders. To read the Final Draft of the CCAP, go to erie.gov/ccap. The CCAP will guide Erie County as it takes actions to reduce climate pollution and to protect the community from the impacts of a changing climate. The County already has a widely acclaimed climate action program for its government operations, which includes but is not limited to waste reduction initiatives, installation of heat pumps on County-owned buildings and the purchase of fleet electric vehicles.

City of Buffalo Food Composting Collection

Farmer Pirates Compost has contracted with the City of Buffalo to provide free composting service to residents! Sign up [here!](#)

Water Resources Institute Spring Speaker Series

The [New York State Water Resources Institute at Cornell University](#) will host a weekly webinar series to highlight collaborative and interdisciplinary work between academics, water resource scientists, educators, managers, and policymakers to improve the management of water resources in New York State. There will be seven research projects highlighted during this speaker series on Thursdays at 2:30pm. [Register.](#)

Public Comment: Environmental Bond Act Draft Eligibility Guidelines

DEC released for public comment new proposed eligibility guidelines to improve, expand, and assess the state's forestry efforts on public and private lands under the historic \$4.2 billion Clean Water, Clean Air and Green Jobs Environmental Bond Act of 2022. The guidelines will help support implementation of Governor Kathy Hochul's [initiative to plant 25 million trees by 2033](#) by building capacity for production of plant materials and investing in a comprehensive data tracking and management system for forestry projects. **Public comments will be accepted through Friday, March 8, 2024.**

Coordinated Human Services Transportation Plan Update: Your Input is Needed!

Transportation is critical for access to jobs, health care, education, and a range of other services and opportunities. The Greater Buffalo Niagara Regional Transportation Council (GBNRTC) is conducting a brief survey as part of the Coordinated Human Services Transportation Plan Update which seeks to improve transportation for persons with disabilities, older adults/seniors, and individuals with lower incomes in the Erie and Niagara Counties. [Take the survey.](#)

Updated IRA Electric Vehicle Tax Credits Explained

The Inflation Reduction Act (IRA) established a multitude of federal income tax credits aimed at lowering the cost of clean energy equipment and energy efficiency upgrades for households. As of January 1, 2024, several rule changes took effect that impact how the IRA tax credit can be claimed and which electric vehicle (EV) models qualify. Now **EV Tax Credits Can Be Applied as a Point-of-Sale Discount** so the reduced sale price can lower the financing costs for buyers taking out auto loans to purchase a new or used EV. Second, qualifying borrowers will receive the full tax credit amount for the purchased EV model, regardless of their tax liability for that year. Car dealers must be registered on a new IRS platform, [Energy Credits Online](#), for a buyer to receive the point-of-sale EV tax credit. The tax credit can still be claimed when filing tax returns for eligible EVs and buyers that meet IRS income requirements. There are currently fewer eligible EV models for buyers to choose from, new EVs must meet updated battery-sourcing and manufacturing requirements to be eligible for an IRA tax credit in 2024. To clarify the changes, it's important to note that the \$7,500 maximum IRA tax credit represents two separate tax credits, each worth \$3,750. One credit covers the sourcing of critical minerals used in the EV battery, while the second credit requires that an increasing share of battery components be manufactured and assembled in North America. New EV models may qualify for both, one, or neither. The list of qualifying EV models dropped from 43 at the end of 2023 to 19 at the start of 2024. But as EV manufacturers adjust their battery supply chain and assembly locations, more EV models could qualify later in 2024. Visit [fueleconomy.gov](#) for the most up-to-date list of eligible new EVs and our [IRA Vehicle Guide](#) for a list of EV models that qualify for both the IRA tax credit and Drive Clean Rebate. New York's [Drive Clean Rebate](#) of up to \$2,000 has 60 eligible models.

Leverage IRA Incentives to Fund Clean Energy in Your Community or Organization

The Inflation Reduction Act (IRA) expanded, extended, and established tax credits that are driving billions in clean energy investment across the U.S. This includes a new provision, known as “direct pay” or “elective pay”, that enables nonprofits, municipalities, and other tax-exempt organizations to directly access clean energy tax credits for the first time. Direct pay empowers nonprofits and local governments to reduce their energy use and apply the associated savings to advancing their mission and services – all while supporting local clean energy jobs and [New York's climate goals](#). Eligible clean energy projects placed in service after 2022 may qualify for direct pay. There are [12 IRA tax provisions](#) that are eligible for direct pay, including investments in manufacturing, clean vehicles, clean fuel production, clean energy generation, and carbon capture. However, tax credits for clean vehicles and clean energy generation represent the most applicable opportunities for many tax-exempt organizations to tap into IRA savings. Tax credits for both plug-in hybrid and zero-emission vehicles are eligible for direct pay.

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

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

Heat Pumps: The Basics

Heat pumps are safe, efficient, and versatile. They are an all-in-one heating and cooling system. Cold climate heat pumps are designed to efficiently operate in cold climates like New York State – while also doubling as a cooling system in the summer. Heat pumps are cleaner and more efficient than boilers and furnaces. They don't burn fossil fuels like oil, propane, and natural gas. Heat pumps use electricity to draw thermal energy from the environment. While there are three types of heat pumps —air source, ground source, and water source — ground source heat pumps (also known as geothermal) can serve the needs of a single building or be installed in a networked system. Not sure how ground source heat pumps work? This [two-minute NYSERDA video](#) explains how they take advantage of the earth's constant temperature (in New York State, that's around 50°F) to efficiently heat and cool buildings. Ground source heat pumps are high efficiency (provide 3-4 times the output for every unit of energy) and require minimal maintenance.

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](#).

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

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

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.

Free Course: Small Business Sustainability Tactics

Do you have a small business or want to integrate more sustainability tactics in a larger business. Take this free self-paced course (approx. 2 hours) which will introduce you to various options that will help you build a sustainability plan that can help your business reduce its carbon footprint, strengthen its connections with employees, and invest in your community. [Register](#).

Urban Agroforestry

A [free, downloadable publication](#) provides guidance in designing planting systems for your community. Trees and other perennial crops can be integrated into any number of urban landscapes, including urban farms, backyards, public parks, roadsides, neighborhoods, and other underutilized or marginal spaces. With proper planning, design, and management, these systems can increase the economic, ecological, and community resilience of urban areas.

Weather Patterns for Climate Prediction

If you're curious how historical El Niño (or La Niña) conditions have affected weather patterns across the U.S., then check out the NOAA Physical Science Laboratory [ENSO comparison maps](#). The map selector lets you see temperature, precipitation, and other climate anomalies by month for all historical events in a side-by-side map view. A composite image that combines all past event anomalies into a single map is also available. El Niño conditions are currently present in the equatorial Pacific Ocean, and the latest [Climate Prediction Center outlook](#) says there's an 80 percent chance El Niño will continue through the Northern Hemisphere spring (March-April 2024).

Technical Chapters of NYS Climate Impacts Assessment Now Available

Governor Kathy Hochul released the technical chapters of the [Understanding and Preparing for Our Changing Climate](#) Study, continuing to provide New Yorkers with data and information to improve resilience and adaptation in the face of climate change. This study aligns with and provides science-based information that will support Goal 5 of New York's Great Lakes Action Agenda, which focuses on enhancing community resiliency and ecosystem integrity through protection, restoration, and improved, science-informed resource management. The study has eight technical chapters that provide in-depth, detailed observations and projected impacts of climate change on eight sectors: agriculture, buildings, ecosystems, energy, human health and safety, society and economy, transportation, and water resources.

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.

EV Charging Funding Assistance

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

Cycle the Erie Canal Bike Tour Registration Now Open

Discover the joy of biking 400 miles across New York State along the historic Erie Canal with Parks & Trails New York. Check out the [2023 storymap](#) for a taste of what each day is like on the tour, and then go [reserve your spot](#) on 2024's Cycle the Erie tour from **July 7-14!**

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. 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/>.

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.

Revised Plant Hardiness Zone Map

Another sign of climate change, the U.S. Department of Agriculture has released a new version of the Plant Hardiness Zone Map. While we can't grow coffee and bananas here, some parts of Western New York are in new zones reflecting our warming climate. Check it out [here](#).

The Buyer's Guide to Induction Cooktops

With the push for electrification and moving away from natural gas, some homeowners are exploring using Induction Cooktops. Induction is gaining steam for its precise temperature control, superior safety, and speedy cooking times, though different cookware is needed. without using fossil fuels. For more information on how they work and their benefits, as well as upcoming rebate programs, check [here](#).

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 at the [Connect Kids Grant page](#).

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.

Additional \$25 Million Available for Local Municipalities to Drive Energy Initiatives

Funding is now available under the State's Clean Energy Communities Program for local municipalities to drive high-impact clean energy actions and reduce greenhouse gas emissions. The program, which recognizes local clean energy leadership and provides implementation grants, helps reduce municipal energy use, lower costs, and offers additional support for projects located in disadvantaged communities. The [Clean Energy Communities Program](#) helps county, city, town, or village governments identify and implement high-impact actions that save energy and cut costs. By achieving Clean Energy Communities designation, participants qualify for grants for additional clean energy projects. With this additional funding, NYSERDA is expanding offerings to include more eligible project options and incentives as well as updating the program's point system for high impact actions. Each high-impact action is worth points that communities collect upon completion of the action. Grant levels will be based on the number of points earned as well as the community's size. In addition, awarded projects located in a New York State [disadvantaged community](#) can qualify for an additional 50 percent in funding for grants over \$5,000. **Applications for the program will be accepted on a rolling basis through December 31, 2025, or until funds are exhausted, whichever is sooner.** Grant applications will be accepted through an [online portal](#).

Types of Electric Vehicle Charging

Are you thinking about getting an electric vehicle but don't understand the charging options and times? There are several ways to charge depending on location and outlet voltage. For home charging: with Level 1 you plug into your standard 120V outlet, but charging is slower; level 2 uses a 240V outlet (similar to an electric dryer) and full charge is between 4-6 hours. For public charging: level 2 uses 240V chargers and can be found at shopping centers, schools, etc., while level 3 uses 480V and allows fast charging in 30 minutes-these chargers are most often found at thruway rest stops. Certain electric vehicles do have tax credits associated with their purchasing. [Check out the list and info](#).

Major Battery Development

Cornell University Researchers have created a lithium battery that can charge in under five minutes, while still delivering a stable performance through repeated “charging and discharging” cycles. Lithium-ion batteries have been popular for electric vehicles because they’re lightweight, energy efficient, and have a long life. For all of a lithium-ion battery’s benefits, it also comes with downsides, including the time it takes to charge and issues handling a large surge of current. The researchers instead found that a metal called indium, often used for touchscreens and solar panels, helps with fast charging and storage in batteries. Their battery uses indium anodes (lithium-ion battery anodes typically use graphite coated on copper foil). With a five-minute charging time, drivers may not need to worry about how many miles their EV battery can last on one charge, a concern dubbed “range anxiety.” A [paper](#) on the work was recently published in the journal *Joule*.
<https://www.fastcompany.com/91016543/scientists-just-invented-an-ev-battery-that-can-fully-charge-in-5-minutes>

Seeking a Career in the Clean Energy Field?

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

Rethink your Gas Stove

Cooking on your gas stove can emit more nano-sized particles into the air than vehicles that run on gas or diesel, possibly increasing your risk of developing asthma or other respiratory illnesses, a new Purdue University study has found. Based on these findings, the researchers would encourage turning on a kitchen exhaust fan while cooking on a gas stove. The study, published in the journal [PNAS Nexus](#), focused on tiny airborne nanoparticles that are only 1-3 nanometers in diameter, which is just the right size for reaching certain parts of the respiratory system and spreading to other organs. [Recent studies](#) have found that children who live in homes with gas stoves are more likely to develop asthma. But not much is known about how particles smaller than 3 nanometers, called nanocluster aerosol, grow and spread indoors because they’re very difficult to measure.

EV Driving Lessons in Buffalo Area

AAA Western and Central New York is now offering one-on-one electric vehicle (EV) driving lessons in a AAA-owned Chevy Bolt EV. The 45-minute EV lesson will enable the driver to take control and experience an EV under many different situations – expressways, lane changes, intersections, backing, and more. The driver, guided by a professional instructor, will learn how an EV handles, sounds, and reacts while driving in everyday traffic situations. For more information on classes, click the link below. [Info](#).

Free Building Electrification Training

NYSERDA is offering [FREE online Building Electrification Training](#) through the Steven Winter Associates’ SWA Academy, a user-paced learning platform. There are three standalone courses on topics related to the electrification of space heating in residential buildings.

Online Tool to View Earth’s Changes

Google Earth Engine’s new tool, [Dynamic World](#) was built in collaboration with the nonprofit [World Resources Institute](#). Dynamic World pulls from satellite data to create detailed maps in near real-time. It gives users the ability to zoom in on the planet in 10-by-10 meter squares from satellite images collected every two to five days. Artificial intelligence is used to categorize each pixel into nine classes that range from bare ground to trees, crops, and buildings. The tool allows users to explore and track and monitor changes in these terrestrial ecosystems over time.

Statewide Greenhouse Gas Emissions Report

DEC's 2023 Statewide Greenhouse Gas Emissions Report describes statewide GHG emissions from 1990 to 2021, expressed in tons of carbon dioxide equivalents, from all sources in the state. This annual inventory tracks trends of greenhouse gas emissions as part of the State's ongoing implementation of the Climate Act and helps to measure progress in reducing GHG emissions across various economic sectors. The report also provides more detailed information about sources of GHG emissions and emission factors associated with different types of fuels, which are utilized for a variety of purposes, including in DEC's implementation of Climate Act Section 7 through its permitting process as outlined in [Commissioner's Policy 49](#). The [report is available on DEC's website](#). The complete, detailed dataset of emissions totals used to inform the report is [available via Open NY](#).

Serve Your Community, Grow Your Career with FoodCorps

High school graduates, what will you be doing during the 2024-2025 school year? If you're passionate about making a difference in your community through teaching, gardening, and food justice, joining FoodCorps as an AmeriCorps member might be for you! The 2024-2025 application is now open. [Check your eligibility](#) and start your application today. The final deadline to [apply](#) is **March 29, 2024**.

Global Action Days - Let's Get Climate Ready

Mark your calendar to join with EcoSchools from around the world for the 2024 Global Action Days. Students will take specific climate-focused actions between April 22 - May 3, 2024 as part of Global Action Days. [Register now](#) in order to receive the latest updates and activity resources focused on topics like ecosystems restoration, changing weather, and the circular economy.

Teacher's and Home-Schooling Resources

[Worldwide Climate and Justice Education Week](#)-. Teachers can join a global movement for Earth Month by participating in *Making Climate a Class or Event* during April 1-8.

[New Nature-Based Inquiry Unit! Students as Scientists](#)

[Teaching about Wasted Food](#)-EPA materials to educate youth on effects of wasted food.

[WILD HOPE](#) is a new series of short digital videos that crisscross the globe and spotlight the changemakers and scientists who are restoring and protecting our natural world. The modern crisis of biodiversity loss is massive, but the solutions are real and effective — and their stories inspire hope that wildlife can and will be restored.

[Teach Engineering: Grow Your Own Algae Engineering Activity](#)-Through hands-on learning, students in Grades 7-10 learn how engineers use species of algae to recover the nutrients found in wastewater. Students will set up an apparatus to monitor changes in local water samples over several weeks.

[USDA Agricultural Research Service: Plant Growth and Root Development](#)- students ages 10 and older test the effect a hard soil layer has on plant growth and root development. Students set up three experimental growing stations using cups to record their observations of plant growth under different soil conditions over several weeks.

[Sorghum Curriculum](#)-The materials presented here by the Sorghum Checkoff will help you introduce sorghum to your students. Find tailored curriculum content and activities for Kindergarten to 12th grade students.

[Educational Resources for Online Ecological Teaching](#)-NEON offers a variety of tools and resources for instructors and faculty moving to online teaching. The data and resources from NEON are naturally suited for teaching ecological concepts and skills in both synchronous and asynchronous learning situations.

[GEEP e-book *Environmental Education in Action: Learning from Case Studies Around the World*](#) explores the world of environmental education (EE) case studies—studies that reflect the complexity, messiness, beauty, and diversity of EE programs across the planet that strive to create a more sustainable future for us all.

[Say What?! Grades 4+](#)- Investigate idioms and their meanings with *Say What?!* - a clever new digital series about animal expressions designed for use in elementary ELA classrooms as well as for English Language Learners in grades 4 and up.

[Monitoring methane and human health](#)-students will learn about the climate and human health impacts of natural gas extraction.

[The Erie Canal Adventure: Unlocking the Waterway Wonders](#). This 40-minute video shares Erie Canal's impact on the development of New York, and includes two lesson plans, "Fishing in Western New York" and "Make a Canal Boat."

[Using the Outdoors as an Extension of Your Classroom](#)- describes the benefits of contact with nature for students and tips developed by a teacher to get students in urban schools closer to nature. The tips start with simple and accessible ways to teach in contact with nature and build up to regular nature immersion days per week.

[Decomposition: Leaf & Soil Collection](#)-Engage your students in figuring out why the amount of leaf litter differs between species in this lesson from the Cary Institute of Ecosystem Studies' School Woodland Biodiversity unit for Grades 6-12. Students will collect and analyze leaf litter data from different trees using a transect and hula hoop/quadrat and will conduct soil nutrient tests on soil samples.

[How to Productively Reframe Eco-anxiety as a Science Communicator or Educator](#)-STEM Teaching Tools Practice Brief 80 addresses eco-anxiety.

[Never Home Alone: The Wildlife of Homes](#)- iNaturalist citizen science project from the Public Science Lab that aims to document the species that live indoors with humans, including but not limited to arthropods. The Classroom Edition webpage includes lessons for students in Grades K-5 to accompany the citizen science project.

[Plant Disease Detectives](#)-students act as detectives to describe common plant diseases and how these communicable plant diseases are spread. The activities are downloadable as Word documents and include case studies for the student "detectives," ages 14-16.

[Our Climate, Our Future Resources by Action for the Climate Emergency](#)-lesson plans and materials for high school students.

[Wayfinder Society](#) has comprehensive sets of FREE and open-source lessons, classroom toolkits, mini-grants, videos, and a Student Hub with 35 Actions for students to complete at home, in school, or in their community.

[Environmental Justice by State](#)- Info on how each state is addressing environmental justice.

[MIT Climate Educator Guides](#) -Flexible, adaptable, and classroom-ready climate change activities. Integrate solutions-oriented climate change education into any high school subject.

[TILclimate Podcast](#)-In 10(ish) minutes, MIT experts cut through the jargon to demystify climate change. Listen to podcast episodes as professional development or classroom assignments.

[MIT Climate Portal](#)-Learn about climate change straight from MIT experts. Read explainers on a wide range of topics in science, technology, and society. Ask your own climate questions.

[NEED website](#) for tons of useful (and free) resources for inquiry-based learning related to energy.

[NEEF SunWise Program](#)- environmental and health education program for K-8 children about sun safety, UV radiation, and stratospheric ozone. The free toolkit includes over 50 cross-curricular, standards-based activities that encourage young people to explore, assess, and understand their natural environment and how it affects their health.

[Data Puzzle: Wind Farms of the Future](#)-middle and high school students analyze and interpret patterns in surface roughness and wind speed across the United States to identify suitable locations for the construction of future wind farms. The resource includes a teacher guide, slide deck, and student worksheet.

[Keeping a Bird Watching Journal](#)-Bird Watcher's Digest shares some encouraging guidelines for keeping a bird watching journal that apply to bird watchers of all ages. Not sure what bird you hear while journaling? Try the [Merlin Bird ID app's](#) Song ID feature to help you identify who's singing.

[NSTA Lesson: How can where you live affect your risk of experiencing asthma?](#)-High school students will gather, read, and evaluate scientific information to investigate why the Bronx, New York City as a whole, and Detroit have higher asthma hospitalization numbers than New York State and Michigan.

[The Equity Compass](#) helps users adopt a social justice mindset when developing and reflecting on their policy and/or practice. View the video on YouTube using the link above and learn more about the project [here](#).

[Inclusive Science Communication Starter Kit](#) is intended to help anyone who communicates with others about STEM (science, technology, engineering, math, and medicine) to do so in ways that seek and value a wide variety of perspectives, recognize how a person's multiple identities might affect their relationship with STEM, and yield equitable outcomes that build and sustain trust.

[Earth Day Careers and Teaching Resources Page](#)-Scholastic SUPERSTEM created this collection of articles, videos, and teaching resources for educators and students. Each article showcases a STEM professional who incorporates a passion for protecting Earth in their work.

[Light Pollution Activity from Voyageurs Conservancy](#)-This three-part activity introduces the concept of light pollution, demonstrates its adverse effects, and allows students to investigate mitigation practices. Schedule a virtual lesson with Voyageurs Conservancy to learn about the importance of night sky preservation.

[Do the Rot Thing: A Teacher's Guide to Compost Activities](#)-The activities in the "Do the Rot Thing" guide are hands-on and encourage student exploration and learning. The guide is broken into four main sections: Introductory Activities, Basic Compost Activities, Worm Compost Activities, and Spreading the Word: Students Teaching Composting.

[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. Each video has an accompanying lesson that provides opportunities for students to make sense of the climate change phenomena presented in the videos. In addition each film comes with a community outreach guide offering ideas for hands on involvement.

[Earth@Home!](#) Since our launch in 2020, Paleontological Research Institute has added over 300 pages of information about Earth Science of the United States!

"[Plastic Pollution and You](#)," a 15-lesson curriculum focused on a human-induced threat to the health of New York's marine and freshwater aquatic ecosystems.

[National Geographic: The Circle of Stuff](#)-This lesson for students in Grades 6-8 contains three activities that introduce students to the concept of the circular economy. Students consider the life cycle of their favorite belonging, learn about the full zero-waste hierarchy beyond the Three Rs, and unpack success stories of circular economies

[Additional resources](#)

Contests, Fellowships and Awards

[2024 OurEcho Challenge](#), a STEM competition that empowers young changemakers to take a closer look at biodiversity in their communities. Open to students ages 13-16, the OurEcho Challenge invites students to identify threats to their local ecosystems and share solutions to protect or repair those natural resources. Youth can work individually or in teams of up to three (3) peers to enter their proposal into the OurEcho Challenge. Top winning teams will receive grant awards of \$1,000, \$2,500, and \$5,000 to implement their projects to protect biodiversity with the support of EarthEcho. Applications are due by **March 1st**.

[Taco Bell Ambition Accelerator](#) - looking for young innovators, ages 16-26, based in the U.S., U.S. Territories, and India, with powerful ideas to drive positive change in their communities. This is your chance to grow your changemaking abilities, access funding, receive feedback on your project, discover a community of like-minded young people, and more! In 2024, \$25,000 for U.S. participants and ₹1,000,000 for India participants is up for grabs! Deadline: **March 14**.

[Green Difference Awards](#)-Project Green Schools honors and recognizes Outstanding Energy, Environmental & STEAM Education efforts led in our Schools & Communities. We honor Green Difference Makers made up of Principals, Teachers, Advisors, Students, Citizens, Schools, School Groups/Clubs, and our Sponsors nationally and internationally at our annual event. Deadline: **March 22**.

[Youth Awards Program for Energy Achievement](#)- Youth Awards projects are energy outreach activities that are student-driven and student-run. Students work together to plan and track their goals, meet timelines, complete activities and outreach, document their hours of work, and create partnerships. The project is a simple 15-slide digital slideshow that showcases goals of projects, activities completed, and results achieved! Deadline: **April 15**.

[Gloria Barron Prize for Young Heroes](#) - honors 25 outstanding young leaders ages 8 to 18 who have made a significant positive difference to people and the environment. Fifteen top winners each receive \$10,000 to support their service work or higher education. Deadline: **April 15**.

[2024 USA Stockholm Junior Water Prize](#) -The competition is open to all high school students in grades 9-12 who have reached the age of 15 by August 1 of the competition year, and have conducted a water-science research project. Deadline: **April 15**.

[Con X Tech Prize: The Amazon](#) - a global competition that seeks cutting-edge science and tech innovations to transform the Amazon's destructive, extractive economies into modern, regenerative ones. Proposals are open for submission until **April 26, 2024, at 11:59 PM EDT**.

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

Grant and Scholarship Opportunities

[NOAA 2024 Great Lakes Bay Watershed Education and Training for Indigenous Communities Grant](#) supports environmental and place-based educational programs and is seeking applications for projects that provide "Meaningful Watershed Educational Experiences" for youth that incorporate "Indigenous Traditional Ecological Knowledge" in the Great Lakes watershed. Applications are due by **March 1, 2024**.

[Competitive Grant Program for Land Trusts and Their Partners](#) - to accelerate and amplify land stewardship and bird conservation with land trusts on private lands. Deadline: **March 1, 2024**.

[Tree City USA Quick Start Grants](#)-The New York State Urban Forestry Council (NYSUFC) has available funding for municipalities to hold a tree planting event in the spring of 2024 celebrating Arbor Day. Communities can apply for up to \$1,000. The intent of this grant is to help municipalities establish a community forestry program and to move toward becoming a Tree City USA. Deadline: **March 7, 2024**.

[MLK Jr. Community Improvement Grants](#): Sponsored by Diageo, these grants range between \$5,000 - \$20,000 and support the revitalization and beautification of MLK corridors. Deadline: **March 8, 2024**.

[2024 Coastal Resilience Program](#) grants have a recommended funding level of \$75,000 to research on the effectiveness of laws and policies related to a wide range of coastal resilience issues including sea level rise, flooding, amplified storm surge, increased frequency and intensity of storms, land use, or other environmental factors, and whether those policies are achieving desired policy changes. Letters of Intent must be received by 6 p.m. on **Friday, March 8, 2024**.

[Hershey Heartwarming Young Heroes Youth Grants](#) for Youth Service Month & Global Youth Service Day 2024 projects. Youth changemakers - aged 5 to 25 - in the U.S. and Canada are eligible to apply for these grants to lead awareness, service, advocacy, and philanthropy projects in their communities. Deadline: **March 10**.

[Preservation Opportunity Fund](#)-The League is thrilled to be starting our 50th Anniversary year with a brand-new grant opportunity for New York nonprofits. Organizations with an ownership interest in, or a long-term lease of, a historic property requiring preservation, restoration, or rehabilitation, are invited to apply for the inaugural year of funding for the League's new capital grant program. Letters of intent are **due March 12**.

[Sigma Xi Grants in Aid of Research \(GIAR\) program](#). Graduate and undergraduate students are encouraged to apply. Sigma Xi members are eligible for increased grant amounts up to \$5,000 for graduate students and up to \$2,000 for undergraduate students. Non-member applicants are eligible for grants up to \$1,000. Deadline to apply is **March 15, 2024**.

[Aquaculture Literacy Mini-Grant](#)- NAAEE supports partnerships sharing the mutual aquaculture literacy goals of the National Oceanic and Atmospheric Administration's (NOAA) Office of Education, NOAA Fisheries, and the National Sea Grant Office. These mini-grants will provide informal learning institutions (e.g., aquariums), aquaculture industry (e.g., shellfish, finfish, and seaweed farmers), and NOAA partners with support for the co-development of innovative educational experiences that explore aquaculture topics. Deadline: **March 15**.

[EPA Stormwater Centers](#)- Approximately \$3 million in grant funding will support three to five awards to establish and maintain regional Centers of Excellence for Stormwater Infrastructure Technologies. Eligible applicants for the funding include institutions of higher education, research institutions, and nonprofit organizations. Deadline: **March 18**.

[Preserve New York Grant Funding](#)- The New York State Council on the Arts and the Preservation League are pleased to open the 2024 Preserve New York grant cycle. Pre-applications due by 5pm on **March 22** and full grant by March 29.

[2024 Earth Day Grants](#) -The Air & Waste Management Association – Niagara Frontier Section (A&WMA-NFS) will again be awarding one or more grants worth up to \$500 each in honor of Earth Day 2024. The program promotes environmental awareness through creative and impactful educational activities and community engagement efforts. The grant is open to educational institutions and community organizations in New York State counties of Allegany, Cattaraugus, Chautauqua, Erie, Niagara, and Wyoming. Deadline: **March 22**.

[2024 GELP](#), hosted by the Commission for Environmental Cooperation, invites passionate North American youth aged 18-35 to submit innovative solutions to support North American communities and preserve our shared waters, lands and air. Chosen projects receive C\$15000 for their work. Deadline: **March 31**.

[Climate Pollution Reduction Grants](#)-limited to projects that are directly related to the development, updating, or evaluation of state, local, tribal or territorial plans to reduce climate pollution. Funds can be used for staffing and contractual costs to develop deliverables identified in the document, planning and implementing meetings, workshops, and convenings to foster collaboration among and between levels of government, the public, and key stakeholders. Lastly, the funds can be used for outreach and education for stakeholders and members of the public. Deadline: **April 1, 2024**.

[NEED's Annual Youth Awards](#)-Free to participate, this program combines academic competition with recognition to acknowledge everyone involved in NEED during the year – and to recognize those who achieve excellence in energy education in their schools and communities. Students and teachers set goals and objectives and keep a record of their activities. Students combine their materials into presentations and submit them online by **April 15th**.

[Climate Pollution Reduction Grants](#)-limited to projects for tribal or territorial plans to reduce climate pollution. Deadline: **May 1, 2024**.

[Tree and Soil Research Fund Grant Program](#) -Supports projects with research of interest to the landscape architecture community with special focus in the area of trees and soils that support them. Award amount: up to \$10,000 (minimum \$5,000). 100-Word Letters of Inquiry (LOIs) accepted **August 1 to September 15, 2024**. For approved LOIs only, applications accepted August 1 to October 1, 2024.

[Community Change Grants](#)- EPA funding to support community-driven projects that build capacity for communities to tackle environmental and climate justice challenges, strengthen their climate resilience, and advance clean energy. **Rolling** awards until Deadline: **November 21, 2024**.

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

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

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

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

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

[Groundswell Grants for Black Buffalo](#)- stabilization funds awarded to Black-owned and Black-led nonprofits and small businesses working in East Buffalo strengthening their ability to continue serving our shared community. Deadline: **Rolling**.

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

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

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

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

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

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

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

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

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

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

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

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

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. Conference grant applications have a direct relationship to advancing the mission of NIEHS. Deadline: **Rolling**.

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

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

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

[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**.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Employment and Internship Opportunities

[Aquatic Invasive Species Program Manager: WNY PRISM](#)- will work to engage the public and partners in aquatic invasive species spread prevention and management. Deadline: Until filled.

[Penn Dixie Part-Time Seasonal Educators](#)- Deadline: **March 2nd**.

[Senior Project Coordinator: Buffalo Niagara Waterkeeper](#)-Deadline: **March 4**.

[Clean Energy Hub Outreach Coordinator: Erie County DEP](#)- Deadline: **as soon as filled**

[WNY PRISM Field Crew Leader](#)- to coordinate and implement invasive species management projects involving invasive species surveys, site monitoring, invasive species removal and habitat/native plant restoration projects throughout the 8-county WNY PRISM region. Full-time, temporary April 15-Nov. 1. Deadline: **March 15**.

[Education and Outreach Assistant: WNY PRISM](#)- Deadline: **Friday, March 15, 2024**.

[Educator 1: Aquarium of Niagara](#)- Full-time and part-time

[Educator 2: Aquarium of Niagara](#)- Full-time

[Aquarist 1: Aquarium of Niagara](#)-Full-time

[Development Manager: Aquarium of Niagara](#)-Full-time

[Invasive Species Management Assistants: WNY PRISM](#)- Deadline: **Friday, March 22, 2024**.

[Watercraft Inspection Steward/Environmental Educators: WNY PRISM](#)- hiring 11 Stewards and 2 Lead Stewards. Lead Stewards will assist the Program Manager with training, scheduling, supervision and reporting for the Watercraft Inspection Stewardship Program. Deadline: **Friday, March 22, 2024**.

[Providence Farm Collective Seasonal Farm Crew](#)- \$17/hr.

[Volunteer Coordinator: Buffalo Olmsted Parks](#)- Full time.

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

[Communications Manager: Massachusetts Avenue Project](#)-Part time.

[Mobile Market Procurement Coordinator: Massachusetts Avenue Project](#)- Full time

Communications Interns: NYS Assemblymember Jon Rivera- apply by [emailing Becca Castañeda](#).

[President and CEO: Aquarium of Niagara](#)- Full time.

[Team Leader / Animal Keeper Iii Rainforest Team: Buffalo Zoo](#)- Full time.

[Communications Coordinator: Preservation Buffalo Niagara](#)- Full time.

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

[Education Program Specialist](#) – Buffalo Zoo, Part Time

[Ambassador Animal Care Specialist](#) – Buffalo Zoo, Part Time

[Education Seasonal Camp Counselor](#)- Buffalo Zoo

[Summer Camp Assistant: Buffalo Niagara Heritage Village](#)- Deadline: **June 21**.

[SNAP-Ed Nutritionist](#) - Cornell Cooperative Extension of Erie County has an opening for a full-time SNAP-Ed Nutritionist working from the Buffalo, NY office.

[Program Manager: Marine Plastics](#)-Earth Echo International, remote with travel.

[Farm Manager Job Description: Providence Farm Collective](#)- year round full-time. Deadline: Until Filled.

[Education Program Specialist: Buffalo Zoo](#)- Deadline: Until Filled.

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

[Conservation District Technician](#), Genesee County Human Resources

[Events Coordinator: NYS Network for Youth Success](#). Deadline: Until filled.

[Community Energy Project Coordinator: Erie County Dept. of Environment and Planning](#). Deadline: Until filled.

[Outreach Coordinator: Erie County](#)- to help low- and moderate-income residents learn about available energy programs and services, including programs to improve home energy efficiency. The candidate will need to have strong communication skills. Experience with community outreach to disadvantaged communities is a plus.

[Park Foreperson: Buffalo Olmsted Parks Conservancy](#)

[Environmental Scientist/Wetland Scientist](#)

[Reinstein Woods AmeriCorps](#): NYS Department of Environmental Conservation's Reinstein Woods is seeking an enthusiastic person to serve in a 10-month AmeriCorps position. Open until filled.

[Buffalo Farm to School Americorps Positions](#)- **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.

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

Citizen Science

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

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

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

[Other Citizen Science Programs](#)

Upcoming Community Activities:

Friday, March 1

Science After Hours: Eclipse- 6 to 9pm. Adults. Grab a drink and get ready for the total solar eclipse on April 8! Join this adults-only night of celestial-themed activities and demonstrations with Museum staff and partners exploring all things eclipse. Pick up your free pair of eclipse viewing glasses and try a limited-edition eclipse-themed beer launched by Big Ditch Brewing. [TICKETS HERE](#)

Friday Birding at Beaver Meadow- 10 to 11:30 am. www.buffaloudubon.org No registration required. \$10 non-members.

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

Promoting Sustainability, Equity, and the Freedom to Invest in Today's Environment – 11am Online. Last year saw a sharp rise in “anti-ESG” efforts to restrict the ability of investors to consider environmental, social, and governance factors—through legislative proposals, regulatory investigations, litigation, and other tactics. And, in the wake of the U.S. Supreme Court's decision striking down university affirmative action policies, we have also seen new attacks on corporate and investor initiatives focused on addressing diversity and economic justice issues. [Register today](#).

Saturday, March 2

Winter Beach-10am at [Wendt Park - Wendt Beach Park, Main Parking Lot](#). Join Ranger Nikki for an early spring walk of one of our Erie County Beaches! Learn about what Lake Erie shorelines experience during our harsh winter. If winter and the lake cooperate this season we may be in for a treat! Come explore our winter beach! [Register for Winter Beach ~Wendt Beach ~](#)

Forestry/Nature Walk at Clyde L. Burmaster (Bond Lake) Park- 9 - 11am EST at Nature Center at Clyde L. Burmaster (Bond Lake) Park, 2571 Lower Mountain Road Ransomville, NY 14131. Free. [Mobile eTicket](#). Lace up your boots and join us for a walk in the woods with an expert. David Reckahn from Niagara County Soil and Water Conservation District will be leading this trek. Come and learn about the plants and animals that live here in our park on the escarpment. Visitors should meet in the Nature Center at the rear of the Warming House at 9am before heading out on the trails. Plan to be out on the trails for about two hours. The Warming House is located at 2571 Lower Mountain Road in Ransomville. This event is sponsored by the Bond Lake Park Environmental and Beautification Committee and is free and open to all ages. Registration is recommended but not required. Hope to see you there.

Go Bike Class: General Maintenance Through Snow and Salt-All classes are held at 313 Broadway on Saturdays 10 am – 11:30 pm. The cost for the Classes is \$20 and most classes are limited to 10 participants. [Info and register online in advance](#).

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

She is Woman, Hear Her Roar! -9:30am. Come kick off Women's History Month on a guided stroll with commentary focusing on females in the outdoors and in nature. All are welcome. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Woods Walk: What's Up?-1pm. We know what the groundhog predicted. Is it coming true? Are the frogs out yet? You may be walking past a nest full of squirrels without even knowing it. If the ponds are open, we might see some of the early waterfowl on this guided nature walk. No registration required. Reinstein Woods Nature Preserve.

Birding at Buckthorn- 9am to noon. Join Senior Naturalist Tom Kerr for a hike along the upper Niagara with the Ducks, Swans, and other waterfowl preparing to head north for the nesting season. Binoculars will be provided. This is one of our longer hikes, and will be close to 4 miles round-trip. \$10.00 Buffalo Audubon Members. \$15.00 General Admission. [Register](#).

Birding at Ghost Pond-10am to noon. Join us for a hike around one of Buffalo Audubon's coolest ponds! We'll meet at Beaver Meadow Nature Center and embark on a roughly 3-mile hike to and around Ghost Pond!. Meet at the Beaver Meadow Nature Center. [Register](#).

Sunday, March 3

WNY Hiking Challenge at Knox Farm-1:00 PM - 03:00 PM at [Knox Farm State Park](#). Join us for a walk on the WNY Winter Hiking Challenge's suggested trail. Whether you are participating in the Hiking Challenge or the NYS Parks Centennial Challenge, this hike will tick both lists! The WNY Hiking Challenge is not run by NYS Parks and participation is not required. Registration Required on [Eventbrite.com](#).

Monday, March 4

Monitoring Soil Moisture: A Climate Smart Ag Practice-Noon webinar. Explore the fundamentals of soil moisture monitoring for agricultural production, discover new data collection methods, and understand the economic and environmental benefits. [Register](#).

Tuesday, March 5

IMAGINE Buffalo Speaker Series -Join us on Tuesdays at 12:30 p.m. [via Zoom](#) for the IMAGINE Buffalo Speaker Series! Artist Rita Argen Auerbach.

Robin Wall Kimmerer: "Braiding Sweetgrass"- 6pm at Canisius University, in the Montante Cultural Center. A scientist, author and educator, Kimmerer is a member of the Citizen Potawatomi Nation. She will discuss her widely acclaimed book [Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge, and the Teachings of Plants](#). The event is free and open to the public. NO REGISTRATION IS REQUIRED.

A Conversation with Author Dan Egan About Phosphorus- 7:30 - 8:30 pm, the Finger Lakes Land Trust and Finger Lakes Institute are sponsoring a webinar featuring Dan Egan, author of *The Devil's Element: Phosphorus and a World Out of Balance* and *The Death and Life of the Great Lakes*, who will be discussing the role of phosphorus in our daily lives, how it impacts our environment, and its role in shaping agriculture. [Register](#).

Wednesday, March 6

2nd Clean Mobility Buffalo: East Side Town Hall Meeting -at the Merriweather Library 6-8 pm, 1324 Jefferson Ave., Buffalo.

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

Witnessing Wonder: Exploring the Total Solar Eclipse- 6pm, Hamburg Library for children. Join Penn Dixie for Witnessing Wonder: Exploring the Total Solar Eclipse and share in the excitement of this rare celestial event! Explore the different types of eclipses, what it means to be in the path of totality, and how to safely view this memorable occasion. Thanks to the generosity of our sponsors, M&T Bank and NYSEG, Penn Dixie is able to offer free eclipse education programs to our community. [Register](#) by contacting Penn Dixie.

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

Stargazing Safari-8:30 PM - 09:30 PM at [Evangola State Park](#). Bring your curiosity and sense of wonder! Explore the wonders of the night sky at Evangola State Park. Discover how to find common constellations. Registration required on [Eventbrite.com](#).

Behind-The-Scenes Collections Tours: Geology Rocks!-Buffalo Science Museum from 6 to 7:30pm. 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](#).

Brains & Grains: Explore Buffalo Trivia At Duende-6pm. \$10, Duende at Silo City, 85 Silo City Row, Buffalo NY 14203. Register at <https://explorebuffalo.org/events/brains-grains-explore-buffalo-trivia-at-duende/>

Solar Eclipse Safety Training- Buffalo Museum of Science from 6 to 7pm for ages 12+. The April 8, 2024 Total Solar Eclipse is almost here! A total solar eclipse is an extremely rare and special event. Our communities will need as many trained volunteers as possible when the eclipse arrives. This hands-on workshop will teach you how to view the eclipse without the danger of damaging the eyes or affecting vision. We will discuss how the eclipse will unfold in detail so that you can guide others as to what to expect and how to prepare. A variety of safe eclipse viewing methods will be explained and demonstrated. This event is free with Museum admission, seats will be available until capacity is reached. This work is supported by the Simons Foundation and is part of its 'In the Path of Totality' initiative.

Karamuk Kuo: Bethune Lecture-6-7:30 p.m. | 403 Hayes, UB South Campus. Attend in-person or via [Zoom registration](#). Jeannette Kuo is co-founding partner of Zurich-based KARAMUK KUO and Professor of Architecture and Construction at TU Munich. Her research and work focus on integrated design, looking at structures, climate, and culture in the holistic design of buildings.

Thursday, March 7

Travel to the Canary Islands-Noon, The Genesee County Master Gardeners will hold monthly Garden Talk programs in person at the Cornell Cooperative Extension office, 420 East Main St., Batavia, or via Zoom. The programs will start at noon on Thursdays and can be 30 to 60 minutes long, depending on the topic. This free series is open to all, but registration is required. [Zoom link](#), To attend in person, contact Laura at 585-343-3040 x101 or leg224@cornell.edu.

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.*

Tiny Tots: Sweet Sap Shenanigans-10:00 AM - 11:00 AM at [Knox Farm State Park](#). Ages 3-5. Explore the natural world around us! This program will connect children & their parents/guardians with nature through short walks & fun activities. Registration Required on [Eventbrite.com](#).

DIY Pinhole Solar Eclipse Projectors-6:00 PM - 07:30 PM at [Niagara Falls State Park](#). Join a Park Naturalist in making a simple cereal box eclipse viewer for the upcoming solar eclipse on April 8th, 2024. Registration required on [Eventbrite.com](#).

Teaching Climate Justice Across the Curriculum- 9:00am to 10:30am, Virtual Event. The Climate Justice Instructional Toolkit (CJIT) was created by the MIT Environmental Solutions Initiative (ESI) to support faculty in integrating climate justice into their courses. In these Zoom workshops, you will hear case studies on teaching climate justice across disciplines, and gain tips and strategies for including climate justice content and strategies in your teaching context. [Register](#).

Living a Garden Life: Simple & budget-friendly gardening projects to promote your well-being- 3pm ET [Register](#)

Incorporating Climate and Environmental Justice into Research and Resource Management-Webinar 3 to 4pm. (part of series). Where habitats are restored, where pollution is dumped, and who has access to disaster relief are all inextricably linked to issues of power and class. Similarly, communities least responsible for climate change are often most vulnerable to negative environmental and climate impacts. Researchers can contribute to environmental justice, but can also cause harm when not taking into account the impacts of power and access. In this webinar series, speakers will explore the ethics around engaging with the populations most vulnerable to the impacts of environmental and climate change, which are often low-income communities, communities of color, Indigenous and Tribal communities, and people facing disenfranchisement. [Register for the webinars here](#).

Turning Targets into Action: How Food Companies Are Tackling Their Emissions-11am. Online. Join Ceres experts and representatives of Food Emissions 50 companies to hear about the actions being taken in the food sector to reduce emissions across business operations and in the supply chain. [Register](#).

Thursday Birding Hike-10 to 11:30am. Join a Buffalo Audubon Staff Member every Thursday for a morning hike along one of our trails at Beaver Meadow. [Register](#).

Friday, March 8

Witnessing Wonder: Exploring the Total Solar Eclipse-2pm at Hamburg Library. Join Penn Dixie for Witnessing Wonder: Exploring the Total Solar Eclipse and share in the excitement of this rare celestial event! Explore the different types of eclipses, what it means to be in the path of totality, and how to safely view this memorable occasion. Thanks to the generosity of our sponsors, M&T Bank and NYSEG, Penn Dixie is able to offer free eclipse education programs to our community. [Register](#) by contacting Penn Dixie.

TSE Trivia-5:30 PM - 06:30 PM at [Niagara Falls State Park](#). Kick off one month to Totality with Total Solar Eclipse Trivia! Learn about this and other celestial events to get ready for this once in a lifetime event. Registration Required on [Eventbrite.com](#).

Hemlock Woolly Adelgid Trainings-4:30 to 6pm at Emery Park. The Erie County Bureau of Forestry will host three hemlock woolly adelgid surveying training events at Erie County Parks in the coming weeks. If you'd like to help keep an eye out for Hemlock Woolly Adelgid in our area, consider signing up for one of these trainings. Click the register button below to sign up. [Register](#).

Friday Birding at Beaver Meadow- 10 to 11:30 am. www.buffaloudubon.org No registration required. \$10 non-members.

Buffalo Astronomical Association Meeting- 7 to 10pm. info@buffaloastronomy.com for link.

Saturday, March 9

Birding at Freedom Park!- 10am – 2pm at Broderick Park, 1170 Niagara St, Buffalo, NY 14213, USA ([map](#)) Learn about the identification and ecology of local birds. Binoculars provided! Register [HERE](#)

Go Bike Class: Drivetrain-All classes are held at 313 Broadway on Saturdays 10 am – 11:30 pm. The cost for the Classes is \$20 and most classes are limited to 10 participants. [Info and register online in advance](#).

Stories in the Woods-10:30am. Enjoy hearing a nature story, followed by a guided walk in the woods. For children ages 3–7. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Shaping History: The Women of Niagara Falls- 10:00 AM - 11:30 AM at [Niagara Falls State Park](#). Commemorate International Women's Day with a presentation recognizing the women who played a part in shaping history at Niagara Falls State Park and the greater Niagara Region. Registration Required on [Eventbrite.com](#).

Free workshop: berries- Noon to 2pm at Massachusetts Avenue Project (MAP), Urban Roots Cooperative Market and Grassroots Gardens of WNY. Learn about strawberries, brambles, and blueberries in this workshop. 387 Massachusetts Ave., Buffalo. Space is limited and registration is required. To register, contact Events@grassrootsgardens.org or 405-473-4209.

Buffalo Bonsai Society: Ikebana- 1 p.m. in the STEM Building at SUNY Erie North Campus, 6205 Main St., Amherst. Speaker: David Williams. All welcome.

Riverline Public Meeting- 1 to 3pm at Old First Ward Community Center, 62 Republic Street, Buffalo 14204. Come learn about plans and share your ideas. The Riverline's new website [here](#)

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

Intro to Backyard Maple Sugaring-10:00 am to 12:00 pm. Cost: \$25 members and \$30 non-members. Buffalo Niagara Heritage Village, 3755 Tonawanda Creek Road, Amherst. [Tickets](#).

Woodland Birding: Bureau of Forestry (Lot 1) -10am at Bureau of Forestry, Warming Hut (11200 Genesee Rd., Sardinia) • Duration: 1-2 hours . Join Ranger Nikki for a woodland walk to Camp Sardinia looking for inland birds migrating in our area! Bring your binoculars and bird identification guides as we walk, look and listen for some of our returning bird species! All birding levels welcome!!

[Register for Woodland Birding ~ Bureau of Forestry \(Lot 1\) ~](#)

Build your own Bluebird house with Pfeiffer Nature Center- Olean, NY Home Depot. There are two time slot choices for creating your bluebird box: 10:00-11:00am or 11:00-12:00. Only 20 pre-registered participants per building session are available. [Please register to build your bluebird house!](#)

Sunday, March 10

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

Monday, March 11

Adapting Silviculture to a Changing World- 8 to 9am webinar. [Register](#). With an increase in threats to the forest from climate change, invasive plants, and changing values from forest stakeholders, silviculture has changed. During Adapting Silviculture to a Changing World, participants will hear from Maria Janowiak about the changing nature of silviculture, the Adaptive Silviculture for Climate Change (ASCC) Network, and advancements in silviculture. Learn about the Northern Institute of Applied Climate Science (NIACS) and how they can use the Adaptation Workbook.

Discover the Healing Power of Your Garden with Ocean Robbins & Rafaela Crevoshay- 3pm webinar. Join to unlock the incredible health benefits waiting to be cultivated in your own garden. In this enlightening webinar, Ocean and Rafaela will guide you through the powerful healing properties found in everyday garden veggies.

[Register.](#)

Tuesday, March 12

Educator Workshop: Exploring the Outdoors with Project Learning Tree-4:30 to 6:30pm. This workshop will help educators develop meaningful environmental experiences for students through pre- and post-field trip activities designed to support Reinstein Woods field trips. The workshop is useful for teachers who already bring students to Reinstein Woods or aspire to do so in the future. For educators of students in pre-K to 2nd Grade. 2 CTLE credit hours provided. Register online at <https://reinsteinwoods.org/explore/programs-services/educator-workshops/>

IMAGINE Buffalo Speaker Series -Join us on Tuesdays at 12:30 p.m. [via Zoom](#) for the IMAGINE Buffalo Speaker Series! This week's program features Brett Swiatek & Dominic Mammana of Swiatek Studios on "The Challenge & Joy of Restoring Houses of Worship Interiors."

Riverline Public Meeting- 2:30 to 4:30 at The Community Room at Commodore Perry Homes 279 Perry Street, Buffalo 14204. Come learn about plans and share your ideas. The Riverline's new website [here](#)

"Humans and Hemlocks: Environmental and Cultural Responses to the Mid-Holocene 'Hemlock Apocalypse'."-7:30pm at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder. Our speaker will be Dr. Albert Fulton, Assistant Professor in the Dept. of Anthropology at U.B. He will discuss the near-extinction of the Eastern Hemlock around 5400 years ago, its potential causes, and its profound impact on the natural environment and on humans. Among his many activities, Dr. Fulton runs the Pollen Analysis Laboratory at U.B.

Social Systems and Justice in the Fifth National Climate Assessment-3 to 4pm. Climate change impacts our health, environment, and economy, with differentiated effects on communities and peoples around the United States and the globe. Human activities have been the dominant driver of climate change and it is inextricably tied to a history of human development and decision-making from individuals to organizations to entire societies. For these reasons, we cannot fully understand or respond to current or future changes in climate without understanding the history of human organization – that is, without understanding the social systems that influence these climactic changes. [Register for the webinar](#)

ADK Meeting-Amherst Community Church, 77 Washington Highway, Amherst, NY. Education session at 6:15, Nathan Ibarra, a Financial Advisor and partner at LPL Financial in Williamsville will be sharing some ideas about how to identify investments that can align with our values, such as conservation, and how to be sure that our dollars are actually being directed toward those investments that advance the ideals that they say they advocate for. March program at 7:30- Robert Rob Coady, Senior Community Engagement Coordinator, Buffalo Niagara Water Keeper (BNW), “Buffalo Niagara Waterkeeper - Local Waterway Issues, and What We're Doing About Them”. Water Keeper staff will present on the Niagara River Watershed, and what impacts water quality at a local, regional, and statewide level. The presentation will focus on identifying these issues, connecting attendees with the source of these issues, and what BNW staff and volunteers are doing to combat them.

Wednesday, March 13

The Next Climate Frontier: Industrial Decarbonization-2:15 to 3:45pm webinar. [Register](#) and get the link.

Wild Wednesday: Eclipse Edition-4:30pm. Together, kids and their caregivers can enjoy learning what a solar eclipse is and how to view it safely. For children in grades K–5. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

SciNight Workshop: Glass Jar Terrariums-Buffalo Science Museum from 6 to 7:30pm. Be the creator of your own microcosm in this terrarium-building workshop. View beautiful wax models of plants from the Museum's collection and create a living scene to celebrate the arrival of spring. Cost includes glass container, substrate, and plants. [Register](#).

Managing for Old Growth Forests with Novel Threats-8 to 9:15am. Participate in this informative webinar to learn practical advice on advancing forests to old-growth, addressing climate change, and novel threats, and exploring the future in the eastern United States. [Register](#).

Buffalo Ornithological Society Meeting- 7 pm in the Cummings Room, Buffalo Science Museum. Gavin M. Leighton, Ph.D., Assistant Professor of Biology at Buffalo State University, will present on The Evolution of Complex Communication and Visual Deception in Birds.

East Side Environmental Forum-5:30-7pm, hosted by New York State Department of Environmental Conservation. This is a space hosted by NYS DEC where residents can raise and discuss environmental concerns in their neighborhood and work towards solutions with our environmental regulators. Topic this month – the “Get Water Wise” program; Buffalo Frank E. Merriweather Jr. Library, 1324 Jefferson Ave. To join virtually, or for more information, please contact Kayla Baker (kayla.baker@dec.ny.gov) or call 716-541-9631.

Thursday, March 14

Plantasia-10am to 7pm at Fairgrounds Event Center and Artisan Hall, 5820 South Park Ave., Hamburg. Landscapers will display their garden creativity with the theme of Cultivation of Color! Visit Plantasia and see how these landscapers use all different colors and shades to create a vibrant outdoor space.

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 -5:30pm. Join others to network and enjoy conversation with environmental folks. Hartmann Distilling, 55 Chicago St., Buffalo. <https://www.greendrinks.org/NY/Buffalo>

Living on a Few Acres: Soil Fertility and Garden Layout- 6 to 8pm webinar. Before we plant a garden or a tree, we must first consider the soil and where we will locate the crop. Living on a Few Acres: Soil Fertility and Garden Layout is designed to help beginning producers understand their soil and know where the best place will be for their garden to thrive for years to come. [Register](#)

Riverline Public Meeting- 6:30-8pm at Valley Community Center, 93 Leddy Street, Buffalo 14210. Come learn about plans and share your ideas. The Riverline's new website [here](#)

Historic Tax Credit Webinars-5:30 to 6:30pm webinar. Do you live in a historic district and are planning a repair, renovation or restoration project in 2024? Let us help you save money on your project. We will cover the basics of the federal and state historic tax credit programs, the eligibility requirements, the application process, and the best practices for successful projects. We will also feature case studies of completed and ongoing projects that have utilized the historic tax credits. To register for a webinar or for more information, please visit our website [here](#). To see if your home should qualify for the tax credits, you can check our map [here](#).

Incorporating Climate and Environmental Justice into Research and Resource Management-Webinar 3 to 4pm. (part of series). The consequences of environmental change are not distributed equally. Where habitats are restored, where pollution is dumped, and who has access to disaster relief are all inextricably linked to issues of power and class. Similarly, communities least responsible for climate change are often most vulnerable to negative environmental and climate impacts. Researchers can contribute to environmental justice, but can also cause harm when not taking into account the impacts of power and access. In this webinar series, speakers will explore the ethics around engaging with the populations most vulnerable to the impacts of environmental and climate change, which are often low-income communities, communities of color, Indigenous and Tribal communities, and people facing disenfranchisement. We hope the series will be of particular value to researchers looking to apply justice principles to their own work and communities seeking to lay out clear expectations for the researchers they collaborate with. [Register for the webinars here](#).

Frontiers in Forest Health: Oak Wilt- 11:30am to 12:45pm. Oak wilt (*Bretziella fagacearum*) is a fungus that kills many species of oaks in the red/black oak group across the eastern United States. Oak wilt is a major concern to forest managers, forest owners, homeowners, urban foresters, and arborists. In this webinar, participants will learn all about oak wilt: how to identify it, the management techniques used, and the threat that it poses to the forests. [Register](#).

Hemlock Woolly Adelgid Trainings-4:30 to 6pm at Sprague Brook Park. The Erie County Bureau of Forestry will host three hemlock woolly adelgid surveying training events at Erie County Parks in the coming weeks. If you'd like to help keep an eye out for Hemlock Woolly Adelgid in our area, consider signing up for one of these trainings. Click the register button below to sign up. [Register](#).

Thursday Birding Hike-10 to 11:30am. Join a Buffalo Audubon Staff Member every Thursday for a morning hike along one of our trails at Beaver Meadow. [Register](#).

Friday, March 15

Snowy with a Chance of Salamanders-7:30 PM - 09:30 PM at [Joseph Davis State Park](#). With the return of spring, we will explore the spring pools and search under logs for spotted salamanders. This is the time of the year to get a rare glimpse of this secretive creature. Registration Required on [Eventbrite.com](#).

Plantasia-10am to 8pm at Fairgrounds Event Center and Artisan Hall, 5820 South Park Ave., Hamburg. Landscapers will display their garden creativity with the theme of Cultivation of Color! Visit Plantasia and see how these landscapers use all different colors and shades to create a vibrant outdoor space.

Hemlock Woolly Adelgid Trainings-4:30 to 6pm at Chestnut Ridge Park. The Erie County Bureau of Forestry will host three hemlock woolly adelgid surveying training events at Erie County Parks in the coming weeks. If you'd like to help keep an eye out for Hemlock Woolly Adelgid in our area, consider signing up for one of these trainings. Click the register button below to sign up. [Register](#).

Friday Birding at Rose Acres- 10 to 11:30 am. www.buffaloudubon.org No registration required. \$10 non-members.

Niagara County Agribusiness Outreach Forum- 8:30am to 5pm, in the 4-H Training Center at Cornell Cooperative Extension of Niagara County, 4487 Lake Avenue, Lockport, NY 14094. Hosted by Cornell Cooperative Extension, Niagara County Center for Economic Development, Niagara County Farm Bureau, Niagara County Small Business Development Center, and Niagara County USA Chamber of Commerce. Free. Contact [Amanda Henning](mailto:Amanda.Henning), app27@cornell.edu or [\(716\) 433-8839 ext. 231](tel:(716)433-8839)

Saturday, March 16

Go Bike Class: Flat Repair-All classes are held at 313 Broadway on Saturdays 10 am – 11:30 pm. The cost for the Classes is \$20 and most classes are limited to 10 participants. [Info and register online in advance.](#)

Plantasia-10am to 8pm at Fairgrounds Event Center and Artisan Hall, 5820 South Park Ave., Hamburg. Landscapers will display their garden creativity with the theme of Cultivation of Color! Visit Plantasia and see how these landscapers use all different colors and shades to create a vibrant outdoor space.

How to Throw an Eclipse Party-10am. Learn how to plan for sun location and safe viewing options for guests, brainstorm eclipse-themed snacks, and try multiple kid- and adult-friendly activities to keep your guests entertained! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Woods Walk: Maples-1pm. Visit Reinstein Woods to see how the sugar maple trees are doing. Do any of the other trees show signs of budding? Check out some of the more common tree buds on this guided walk. No registration required. Reinstein Woods Nature Preserve.

Dare to Repair Café- 11am to 2pm at Newstead Public Library, 33 Main St., Akron. A popup community event where you can bring a broken item and work with a team of fixers to try and repair the item for free. The goal is to share repair skills, save money, and keep things in circulation and out of the landfill for as long as possible. Not all fixers can make every event, so [registering ahead of time](#) helps ensure there is someone who can fix your item. Replacement parts are limited, so bring 'em if ya got 'em! Find a full FAQ [here](#).

Free workshop: container gardening-12:00 pm – 1:30 pm. A free workshop series will be held by Massachusetts Avenue Project (MAP), Urban Roots Cooperative Market and Grassroots Gardens of WNY. Learn about container gardening in this workshop at Grassroots Gardens WNY, 389 Broadway, Buffalo. Space is limited and registration is required. To register, contact Events@grassrootsgardens.org or 405-473-4209.

Ecological Renovation Tour-10 to 11:30am at Tiff Nature Preserve. Enjoy a behind-the-scenes tour of how this is made possible through unique and innovative ecological renovation projects. We will explore projects along the trails, such as diverse native plantings, invasive species removal, and the preservation of our woodland and wetland habitats. [Register.](#)

Side Forward Expo: Clean Mobility Buffalo- 11:30am to 3pm. Join neighbors and friends for family-friendly activities and learn about the Clean Mobility Transportation improvements under way. Northland Workforce Training Center, 683 Northland Ave., Buffalo. [RSVP](#)

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

Ornithological Field Trip-Meet at 8:00am on the Dunkirk Pier (parking available on the pier and by the shops right before the pier). Leader: Devin Banning (716) 260-8889, Devin.Banning@fredonia.edu. Our trip will begin at Dunkirk Harbor scoping for various waterbirds. With that in mind, please bring your spotting scope if you have one as it will greatly enrich your experience! Raptors, including Bald Eagle and Peregrine Falcon, are often in attendance with the plentiful food supply. We will also have a chance at migrant raptors, weather-permitting.

Family Workshop: Maple Fun- 10am to noon. Join us for a morning of Maple fun! Participants will get a behind the scenes look at our maple history trail, learn how sap is turned into syrup at our sugar shack, tap a maple tree, and taste some sugar on snow. Cost: \$20 youth, \$10 adult. Buffalo Niagara Heritage Village, 3755 Tonawanda Creek Rd., Amherst. [Tickets.](#)

Spring Thaw In Winter Watersheds: Franklin Gulf Park -10AM at [Franklin Gulf - Location: Franklin Gulf Park – School Street Lot](#). We all know what spring thaw, rain and floods looks like in WNY's urban and suburban areas, but what does it look like in a place with far less modern human disruption of land? Join Ranger Roy for a hike in beautiful Franklin Gulf Park to look at what most of the world looked like for most of human history Trail Conditions: Potential for snow and mud. Will be walking wooded trails. [Register for Spring Thaw In Winter Watersheds ~ Franklin Gulf Park ~](#)

Total Eclipse Program -10am to noon presented by Buffalo Astronomical Association at Beaver Meadow. Experts from Buffalo Astronomical Association (BAA) will provide a comprehensive overview of what a total eclipse is, what to expect on April 8th, how to safely view this spectacular event, and more! Join us at Audubon Beaver Meadow Nature Center, 1610 Welch Rd., North Java, NY 14113. Please bring a bag lunch, water, and wear appropriate gear (sturdy shoes, boots, dress for the weather) for a post eclipse program short hike. We are asking \$2 from participants to purchase eclipse glasses from BAA; free will donations to both BAA and to Beaver Meadow appreciated. We will gather in the Audubon building which holds a large group, so please feel free to invite a friend. Please RSVP to Pam Sander by **March 14th** by email and include your contact phone number and if you are bringing a guest to: sanderpamela88@gmail.com

Birthstones: Gem, Mineral and Fossil Show- 9am to 6pm at the Erie County Fairgrounds in Hamburg, NY. Admission is \$7 and children 12 and under and scouts in uniform are FREE.

Sunday, March 17

Plantasia-10am to 5pm at Fairgrounds Event Center and Artisan Hall, 5820 South Park Ave., Hamburg. Landscapers will display their garden creativity with the theme of Cultivation of Color! Visit Plantasia and see how these landscapers use all different colors and shades to create a vibrant outdoor space.

Birthstones: Gem, Mineral and Fossil Show- 10am to 5pm at the Erie County Fairgrounds in Hamburg, NY. Admission is \$7 and children 12 and under and scouts in uniform are FREE.

Monday, March 18

Having it All: Balancing Carbon, Forest Health, and Other Goals- Webinar 8 to 9:15am. With the rise in forest carbon programs, the focus of some forest managers has shifted towards extending harvest rotations and focusing management on carbon sequestration at the cost of other considerations. During Having it All: Balancing Carbon, Forest Health, and Other Goals, participants will learn how forest managers can think about maintaining functioning forests while meeting multiple goals like storing carbon, creating wildlife habitat, and forest health. The trade-offs when managing forests solely for one purpose are the opportunities present in the forest of the Eastern United States for both the climate and wildlife, as well as the crucial need for well-planned silviculture. [Register.](#)

Tuesday, March 19

IMAGINE Buffalo Speaker Series -Join us on Tuesdays at 12:30 p.m. [via Zoom](#) for the IMAGINE Buffalo Speaker Series! This week's program features Bill Nowak & Majadi Baruti on "Renewable Heat and New York's Climate Goals."

Wednesday, March 20

Educator Workshop: Animal Investigations with Project WILD – 4 to 8pm. This workshop will help educators develop meaningful environmental experiences for students through pre- and post-field trip activities designed to support Reinstein Woods field trips. The workshop is useful for teachers who already bring students to Reinstein Woods or aspire to do so in the future. For educators of students in grades 2-8. 4 CTLE credit hours provided. Register online at <https://reinsteinwoods.org/explore/programs-services/educator-workshops/>

Behind-The-Scenes Collections Tours: Cabinet of Curiosities-Buffalo Museum of Science from 6 to 7:30pm. 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.](#)

Solar Eclipse Safety Training- Virtual from 4 to 5pm for ages 12+. The April 8, 2024 Total Solar Eclipse is almost here! A total solar eclipse is an extremely rare and special event. We will discuss how the eclipse will unfold in detail so that you can guide others as to what to expect and how to prepare. A variety of safe eclipse viewing methods will be explained and demonstrated. This event is free with Museum admission, seats will be available until capacity is reached. This work is supported by the Simons Foundation and is part of its 'In the Path of Totality' initiative. [Register for link.](#)

Climate-Smart Silviculture: A Panel Discussion- 8 to 9:15am, participants will have a chance to ask questions about silviculture, the future of forestry, and climate-smart forestry to the presenters, who have a broad range of experience. Participants will have a chance to submit questions ahead of time and during the webinar. [Register.](#)

Inflation Reduction Act Rebates and Tax Credits- 6:30pm. Sierra Club Atlantic Chapter and the ADK-NFC Conservation Committee will be co-sponsoring an Environmental Series again this year. On Wednesday March 20th at 6:30pm the meeting will be on the 2022 Inflation Reduction Act (I.R.A.). The zoom meeting will discuss what tax credits, rebates and programs to promote renewables, energy efficiency, transportation and electric appliances are available through the I.R.A. and other federal and state programs. Zoom meeting- <https://www.sierraclub.org/atlantic>

Tackling Tire Waste: Extended Producer Responsibility- 1 to 2:30pm. Webinar. Each year, over 250 million tires are discarded in the U.S., with only 40% being recycled. The remaining tires are either burned as tire-derived fuel, (which the tire industry erroneously considers recycling), illegally dumped, or landfilled leading to negative public health and environmental impacts. [Register.](#)

Lake George's Sunken Bateaux of 1758-7pm. Buffalo Museum of Science | 1020 Humboldt Pkwy, Buffalo, NY
The talk, "Ghost Fleet Awakened—Lake George's Sunken Bateaux of 1758," by maritime archaeologist Joseph W. Zarzynski tells the story of a little-recognized sunken fleet of Lake George, NY warships—bateaux—from the French & Indian War (1755-1763). The story of these sunken bateaux begins more than 250 years ago, when bateaux (bateau in the singular) first plied Lake George's waters. Though the word—bateau—is French, these wooden boats were used by the Dutch, French, and English. Flat-bottomed and pointed at bow and stern, bateaux were generally rowed, but could be rigged with a mast and sail. Typically, 30–35 feet long, bateaux were important vessels on inland waters, transporting armies during the 18th century wars in North America. In the autumn of 1758, the British at Lake George made a daring decision to deliberately sink two floating batteries (radeaux), some row galleys and whaleboats, a sloop, and 260 bateaux, placing the warships into wet storage. That protected them from the French over the winter. In 1759, many submerged boats were raised, but some were not. The shipwrecks became the focus of archaeological study that gained unprecedented insight into 18th century lifeways. From 1987–2011, Zarzynski was the executive director of Bateaux Below, the nonprofit organization that studied colonial bateau shipwrecks in Lake George. Free and open to public.

Thursday, March 21

Virtual Program: Lunch for a Livable Planet: Food and Food Waste-Noon. How can eating delicious food and reducing food waste help the planet? Find out at this virtual presentation. Registration required; visit reinsteinwoods.org/events.

Orchid Repotting at the Gardens-8:00 am – 5:00 pm. The Buffalo and Erie County Botanical Gardens, in partnership with the [Niagara Frontier Orchid Society](#) will be offering an orchid repotting event. Bring your orchid and the experts will help repot your plant and give you lots of great advice on how to care for the orchid. There will be growing medium and varied sized pots for sale. Prices will vary but will start around \$20 (this includes a new pot, growing medium and orchid repotting by an expert). All proceeds benefit the Niagara Frontier Orchid Society. The Orchid Repotting Event will take place in the Community Room of the Administration Building on the Botanical Gardens' campus. There is no admission fee.

March Muckabout- 10 to 11:30am at [Evangola State Park](#). March is one of the muddiest months at Evangola State Park. Muckabout the back trails with a Park Naturalist, looking for signs of spring! Registration required on [Eventbrite.com](https://www.eventbrite.com).

Witnessing Wonder: Exploring the Total Solar Eclipse- 1pm at the Hamburg Senior Community Center. Join Penn Dixie for Witnessing Wonder: Exploring the Total Solar Eclipse and share in the excitement of this rare celestial event! Explore the different types of eclipses, what it means to be in the path of totality, and how to safely view this memorable occasion. Thanks to the generosity of our sponsors, M&T Bank and NYSEG, Penn Dixie is able to offer free eclipse education programs to our community. [Register](#) by contacting Penn Dixie.

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.*

Human Transit: How Clearer Thinking about Public Transit Can Enrich Our Communities and Our Lives- 1pm. Transportation expert Jarrett Walker believes that transit can be simple, if we focus on the underlying geometry that all transit systems share. Jarrett's gift is being able to break down the basic principles of public transit so that you may have the tools necessary to clarify and advocate for your own values. [Register.](#)

Incorporating Climate and Environmental Justice into Research and Resource Management-Webinar 3 to 4pm. (part of series. The consequences of environmental change are not distributed equally. In this webinar series, speakers will explore the ethics around engaging with the populations most vulnerable to the impacts of environmental and climate change, which are often low-income communities, communities of color, Indigenous and Tribal communities, and people facing disenfranchisement. We hope the series will be of particular value to researchers looking to apply justice principles to their own work and communities seeking to lay out clear expectations for the researchers they collaborate with. [Register for the webinars here.](#)

Electrification of Erie County Board of Elections Building- 5:30 to 7:30pm at Erie County Board of Elections Building, 34 W Eagle St, Buffalo, NY 14202. Join Sustainable Business Roundtable for an in-depth exploration of a clean energy success story; the electrification of the Erie County Board of Elections building. This event will provide a firsthand look into the electrification process, illustrating how the transition from fossil fuels to clean energy is breathing new life into this 90-year-old structure. Tour the 120,000-square-foot building and learn about the economic and environmental benefits of the transition from traditional heating and cooling systems to cleaner alternatives. Following the tour, we invite you to a happy hour and networking at the [DECO Lounge](#). Connect with sustainability-focused professionals through a speed networking session, and enjoy your first drink on us! Don't miss this chance to enhance your connections in the sustainability and business community! [Register Now](#)

Thursday Birding Hike-10 to 11:30am. Join a Buffalo Audubon Staff Member every Thursday for a morning hike along one of our trails at Beaver Meadow. [Register.](#)

Tonawanda Coke Superfund Public Meeting- 6pm. hosted by New York State Department of Environmental Conservation. Meeting is hybrid, with [an online version via Webex](#) and an in-person version at the Buffalo and Erie County Public Library-Kenmore Branch at 160 Delaware Road, Kenmore, NY 14217. The public is invited to join the New York State Department of Environmental Conservation for a meeting to discuss an amended remedy being proposed by NYSDEC in consultation with the New York State Department of Health (NYSDOH) to address contamination related to the Operable Unit 02 of the Tonawanda Coke site ("site"), also referred to as 'Site 109', located at 3875 River Road, Tonawanda, Erie County. For more information, please see the [DEC Infocator document vault](#) or [the announcement](#).

Brownfields: A Story To Tell-1:00 PM in Eastern Time. This webinar focuses on the significance of being able to tell the history of the impacts of contamination to our neighborhoods, and the humanity in redevelopment potential. Why is this important? Effectively telling the story of your project is critical to accessing resources, such as funding and partnerships. Join NJIT TAB on March 21, 2024 at 1:00 PM to learn techniques to reimagine the way you describe your brownfield redevelopment project to maximize the positive impact for communities, officials, and organizations. [Register.](#)

Friday, March 22

When the Eclipse Was Here Last-5:30 to 6:30pm at [Niagara Falls State Park](#). Step Back in time as we prepare for the upcoming Total Solar Eclipse in April. Discover what Niagara Falls was like when it was in the path of totality of the last solar eclipse! Registration required on [Eventbrite.com](#).

Snowy with a Chance of Salamanders-7:30 PM - 09:30 PM at [Joseph Davis State Park](#). With the return of spring, we will explore the spring pools and search under logs for spotted salamanders. This is the time of the year to get a rare glimpse of this secretive creature. Registration Required on [Eventbrite.com](#).

Friday Birding at Beaver Meadow- 10 to 11:30 am. www.buffaloudubon.org No registration required. \$10 non-members.

Water Cooler Talk: Algae and Microplastics Stick Together-Noon to 1pm. Many aquatic ecosystems are under threat from microplastic pollution, the smallest of which can enter the food web through consumption by fauna. Very small microplastics (< 100 microns) can be similar in size to suspended algae cells, which readily aggregate into large clumps through cohesion due to their sticky biological exudates. Aggregation greatly changes the transport properties of these particles, altering their settling speed and making them more attractive as potential food particles. This talk describes ongoing research to quantify small microplastics in Lake Erie and determine their potential to aggregate with suspended algae populations. Findings from this work will increase our knowledge of how the smallest microplastics are transported through our aquatic ecosystems. [Register.](#)

Forest Management and Climate Change: A Women's Perspective-8 to 9am webinar. Approximately 58% of forest ownerships in the US are owned by married couples, but even when ownership is shared between the spouses, women are often not the primary decision-makers. Women do often end up inheriting the land because they live longer than men on average and are typically younger than their spouses. This situation is now changing as more women are becoming forest owners as primary decision-makers. Women, as the primary owners or co-owners of forest land, have the potential to contribute to climate change solutions through forest management. However, most are still unprepared for engaging in land, farm, and forest management. During Forest Management and Climate Change: A Women's Perspective, participants will learn about what women value about forests, how women take care of forests in the face of climate change, and what the challenges women face in this space. [Register.](#)

BWELL & Feminist Bird Club Trivia Night-6:30pm – 8:30pm at Buffalo Cider Hall, 155 Chandler St Suite 4, Buffalo, NY 14207. [Register here.](#)

Saturday, March 23

Go Bike Class: Wheels 101-All classes are held at 313 Broadway on Saturdays 10 am – 11:30 pm. The cost for the Classes is \$20 and most classes are limited to 10 participants. [Info and register online in advance.](#)

Spring bulb workshop at Lockwood's-11am. Lockwood Garden Center. Class where you'll learn how to create a 10-inch bulb garden using assorted bulbs, pansies or violas, and primrose. This planter is the perfect decoration for your Easter table. There will be a workshop at 11 a.m. and again at 2 p.m. Price: \$40. [Lockwood's Garden Center](#)

Gall of the Wild-10am. This indoor presentation will explore the different ways local insects can survive the harsh winter season. Discover how goldenrod galls are formed and what goes on inside them. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

The Sweet Life!- 11:00 AM - 12:30 PM at [DeVeaux Woods State Park](#). An indoor presentation about the maple sugaring process from start to finish. Then followed by an informal outdoor hands-on presentation. Registration required on [Eventbrite.com](#).

DIY Pinhole Solar Eclipse Projectors-3:30 PM - 05:00 PM at [Niagara Falls State Park](#). Join a Park Naturalist in making a simple cereal box eclipse viewer for the upcoming solar eclipse on April 8th, 2024. Registration required on [Eventbrite.com](#).

Spring Sky Night Hike-Tiff Nature Preserve from 7:30 - 9 p.m. | Ages 5+. Listen for the sounds of Spring on a guided night hike through woodlands, wetlands, and fields. We'll keep our ears open for Spring Peepers, Screech Owls, and the elusive Woodcock, while also enjoying origin stories of Spring night sky constellations. [Register.](#)

Maple Sugaring: Past & Present-10:00am-1:00pm at Taylor Road Family Recreation Facility, Hamburg
Come on a journey through time learning about how people have gathered and boiled maple sap throughout history. This will be an interactive program fit for all ages that takes place in a mature hardwood forest loaded with sugar maple trees. We will also be serving pancakes and fruit as a part of the event! Celebrate the coming of Spring with Earth Spirit as we enjoy the sweet gifts of the season and give thanks to those who provide it for us.
Note: Registration is limited. This is not an open-house event. The program begins at 10:00. [REGISTER](#)

Bird Hike Through History-10 to 11:30am at Stella Niagara Preserve. Join Andrew Gaerte, the Western New York Land Conservancy's Director of Development and Communications, for a bird hike through history at our Stella Niagara Preserve. We will look for birds that can be found in meadows, trees, and on the Niagara River, and we will learn more about how bird life has changed in the Niagara region over the last 300 years. [Register.](#)

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

Maple Fest : Bureau of Forestry -10am - 4pm at [Bureau of Forestry](#). In partnership with [#42North](#), We present Tree Tap Maple Fest from 10am - 4pm at the Forestry Bureau 11200 Genesee Road, Concord. Live music, BBQ, baked goods, kettlecorn, and sawmill and sugar shack tours! Syrup will be for sale - cash only!

Sunday, March 24

Solar Eclipse Safety Training-Tiff Nature Preserve from 1 - 2 p.m. | Ages 12+. Our communities will need as many trained volunteers as possible when the eclipse arrives. This hands-on workshop will teach you how to view the eclipse without the danger of damaging the eyes or affecting vision. We will discuss how the eclipse will unfold in detail so that you can guide others as to what to expect and how to prepare. A variety of safe eclipse viewing methods will be explained and demonstrated. This work is supported by the Simons Foundation and is part of its 'In the Path of Totality' initiative. [Register.](#)

Monday, March 25

Full Moon Walk-7:30pm. Enjoy an early spring evening walk under the rising full moon. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Tuesday, March 26

IMAGINE Buffalo Speaker Series -Join us on Tuesdays at 12:30 p.m. [via Zoom](#) for the IMAGINE Buffalo Speaker Series! This week's program features Holly Schreiber from the Buffalo Museum of Science talking about the upcoming solar eclipse.

Wednesday, March 27

Witnessing Wonder: Exploring the Total Solar Eclipse-6:30pm at Hamburg Town Hall. Join Penn Dixie for Witnessing Wonder: Exploring the Total Solar Eclipse and share in the excitement of this rare celestial event! Explore the different types of eclipses, what it means to be in the path of totality, and how to safely view this memorable occasion. [Register](#) by contacting Penn Dixie.

Clean Air's March General Meeting- 5:30 to 7pm, on Zoom and in person at Trinity Church, 371 Delaware Ave in downtown Buffalo! This space is for our current members and supporters, as well as any and all interested in learning more about our work and getting involved with our campaigns! Interpretation services and other accessibility services provided with pre-registration. Registration link will be posted closer to the event.

Thursday, March 28

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.*

In the Life of the Bumble Bee Queen (and the Cuckoo too!)- 1 to 2pm webinar. Join Rich Hatfield, Xerces Senior Endangered Species Conservation Biologist, to take a deep dive into the reproductive females of bumble bees, including cuckoo bumble bees. Learn more and register [here](#) today!

Incorporating Climate and Environmental Justice into Research and Resource Management-Webinar 3 to 4pm. (part of series. The consequences of environmental change are not distributed equally.. Researchers can contribute to environmental justice, but can also cause harm when not taking into account the impacts of power and access. In this webinar series, speakers will explore the ethics around engaging with the populations most vulnerable to the impacts of environmental and climate change, which are often low-income communities, communities of color, Indigenous and Tribal communities, and people facing disenfranchisement. We hope the series will be of particular value to researchers looking to apply justice principles to their own work and communities seeking to lay out clear expectations for the researchers they collaborate with. [Register for the webinars here.](#)

Thursday Birding Hike-10 to 11:30am. Join a Buffalo Audubon Staff Member every Thursday for a morning hike along one of our trails at Beaver Meadow. [Register](#).

Friday, March 29

Spring EGG-stravaganza- Tiff Nature Preserve, Timed tickets and limited number. Don't miss our annual indoor celebration of animals that hatch from eggs. Get ready for EGG-streme fun and EGG-citement! Meet live animals with Messinger Woods Wildlife Care, enjoy make 'n' take crafts, games, guided hikes and hands-on activities. Plus, dye eggs using handmade, natural dyes from flowers and vegetables! Bring your own hard-boiled eggs; maximum of 6 per person. [Required pre-registration](#).

Friday Birding at Beaver Meadow- 10 to 11:30 am. www.buffaloudubon.org No registration required. \$10 non-members.

Saturday, March 30

Go Bike Class: How to Tune Up-All classes are held at 313 Broadway on Saturdays 10 am – 11:30 pm. The cost for the Classes is \$20 and most classes are limited to 10 participants. [Info and register online in advance](#).

Egg-clipse for Kids!-10am. Learn about the eclipse and then dye eggs to make a “sun” and “moon.” For kids ages 6-10. Eclipse glasses included. Materials fee: \$8 per child; \$5 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Free workshop: native plants-12:00 pm – 1:30 pm. A free workshop series will be held by Massachusetts Avenue Project (MAP), Urban Roots Cooperative Market and Grassroots Gardens of WNY. Explore the importance of native plants and how to use them in this workshop. MAP, 387 Massachusetts Ave., Buffalo. Space is limited and registration is required. To register, contact Events@grassrootsgardens.org or 405-473-4209.

Find That Frog-10:00 AM - 11:30 AM at [Evangola State Park](#). Spring is here, and so are the frogs! Vernal pools are hopping with toads and salamanders. Use all of your senses to find that frog. Registration required on Eventbrite.com.

Geocaching Egg Hunt-10:00 AM - 11:30 AM at [Niagara Falls State Park](#). Participants will learn how to use a Global Positioning System (GPS) unit and use a handheld GPS unit to find hidden eggs. Recommended ages 8+. Registration required on Eventbrite.com.

Eclipse Training- 10am to noon at Beaver Meadow Nature Center. [Register here](#)-if 5 people don't sign up, you will be notified on Friday.

Bluebird Talk-11am to noon at Iroquois National Wildlife Refuge Visitor Center.
<https://www.facebook.com/events/415591280873006>

Tuesday, April 2

Sounds of the Eclipse-10am. Join us on this walk to learn different animal sounds to listen to during the solar eclipse. Participants will learn to identify common bird, insect, and frog calls. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Wednesday, April 3

Busy Beavers-10:30am. Prepare for International Beaver Day (on April 7) by learning about these amazing rodents, which are also our official New York State mammal. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

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

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

Brains & Grains: Explore Buffalo Trivia At Duende-6pm. \$10, Duende at Silo City, 85 Silo City Row, Buffalo NY 14203. Register at <https://explorebuffalo.org/events/brains-grains-explore-buffalo-trivia-at-duende/>

Public Comments, Civic Engagement and Activism

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

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

- https://www.govtrack.us/congress/bills/subjects/environmental_protection/6038 provides a listing of federal environmental legislation that is pending.
- <https://legiscan.com/NY/pending/assembly-environmental-conservation-committee/id/365> provides a list of environmental legislation pending for the NY Environmental Conservation Committee.

The following legislation has been proposed-contact your elected officials with your opinions.

Lead Free Parks	In Senate & Assembly Committee	A5524 (O'Donnell)	S.147-A (Gianaris, et al.)
NY HEAT Act	In Senate & Assembly Committee	A.4592-B (Fahy, et al.)	S.2016-B (Krueger, et al.)
Shifting the Recycling Burden and More	In Senate & Assembly Committee	A.5322-B (Glick, et al.)	S.4246-B (Harckham, et al.)
Fracking 2.0	In Senate & Assembly Committee	A.8866 (Kelles)	S.8357 (Webb)
Clearing the Toxic Air	In Senate & Assembly Committee	A.7363 (Septimo)	S.3328A (Fernandez)
eBike Battery Recycling	In Senate & Assembly Committee	A.7339-B (Glick)	S.643-D (Kavanagh)
Just Energy Transition Act	In Senate & Assembly Committee	A4866C (Kelles)	S2935D (Parker)
Right to Refill	In Senate & Assembly Committee	A4673 (Fahy)	S2079 (Kavanagh)

Expanding Food Donation and Recycling	In Senate & Assembly Committee	A5906 (Shimsky)	S5331 (Harckham)
The GAP Fund	In Senate & Assembly Committee	A.9170 (Kelles)	S.8535 (Gonzalez)
HABs Monitoring and Prevention Act	In Senate & Assembly Committee	A.8867 (Kelles et al.)	S.8356 (May)
Increasing Energy Storage Capacity	In Senate & Assembly Committee	A8614 (Barrett)	S8229 (Kavanagh)

Tips for the Environment:

- **Take a Virtual Tropical Field Trip-** Visit a [birdcam](#) and watch the birds arrive to the Panama bird feeders.
- **Resolve to do more volunteer work in 2024-** Local non-profits can use your help (see list further down) or get involved in Citizen Science and contribute to data to better understand the world. [Federal agencies](#), specifically [NASA](#), [Bird projects](#), as well as others could use your help.

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 and [sign up here](#)

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 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/>, [current needs and dates](#)

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

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

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

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

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/>

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

Additional calendars with local events-

<http://www.citybration.com>

<http://www.buffalospree.com>

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

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

<http://buffalorising.com>

<https://boredommd.com/>

Useful Tools:

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

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

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

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

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

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

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

[Bird Migration Explorer](#) provides migration data

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

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

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

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

[Ecosystem Restoration Handbook](#)

[Sustainable Gardening Library Resources](#)

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

[Buffalo B-WELL Videos](#)

<http://growitsaveituseit.com/>

[toolkit to reduce synthetic fertilizer use](#)

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

[Organics Communications Toolkit to Reduce Waste](#)

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

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

[The ABCs of Soil Health](#)

Additional local blogs and websites-

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

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

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

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

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

Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>
Buffalo Tours- <http://buffalotours.blogspot.com/>
Buffalo Green Fund-<http://www.buffalogreenfund.org/>
Canning Tips for Food Preservation- <http://www.motherearthnews.com>
Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>
Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>
Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>
DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>
Edible Buffalo- <http://ediblebuffalo.wordpress.com/>
Erie Cattaraugus Rail Trail- <http://www.ecattrail.org/>
Farmer Resource Network- <https://farmerresourcenetwork.force.com/FRN/s/>
Fix Buffalo- <http://fixbuffalo.blogspot.com/>
Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>
GBNRTC-<http://www.gbnrtc.org/blog/>
Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>
Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>
Heirloom Soul Florals: Regenerative Flower Farming- <https://www.heirloomsoul.com/blog-archive>
Natural and Working Lands-<https://blogs.cornell.edu/workinglands/> Farming and Climate Change resources
Nourishing Harvest- <https://www.patreon.com/anourishingharvest>
Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>
Recycle Right NY- <https://recyclerightny.org/>
Reuse Action-<http://reuseaction.com/blog/>
Rochester Environment- <http://www.rochesterenvironment.com/>
WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>
Outdoors Niagara- <http://www.outdoorsniagara.com/>
Environmental Tips- <http://www.globalstewards.org/ecotips.htm>
Buffalo Architecture and History- <http://www.buffaloah.com/>
Richardson-Olmsted <http://www.richardson-olmsted.com/>
Times Beach Nature Preserve- <www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029>
Black Dog Rescue- <www.blackdogsecondchance.org>
Peace Weavers- <http://peaceweavers.org/>
Eco-Island Nature Center- <https://www.grandislandschools.org/domain/49>
NY Sport Fishing- <http://www.fishny.com/>
Erie Canal Trailway- <www.ptny.org/bikecanal>
Rochester Roots-<http://www.rochesterroots.org/>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
We Love Outdoors-<http://www.weloveoutdoors.com/>
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>
Citizen Science Opportunities- [listing](#)
Sustainability SmartPod- <https://www.buzzsprout.com/2127930>

County/New York State Resources

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

Green Jobs, Internships and Opportunities

E-Magazine-<http://greenjobs.net/>
Green Jobs- <http://www.greatgreencareers.com>
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>
NOAA Internships- [NOAA Student Opportunities Website](#)

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org

www.buffaloaudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

www.yourspca.org

Grant Opportunities /Tools

[Database of Federal Grants to Support Food Waste Initiatives](#)

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

<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/>

Food Future WNY- www.foodfuturewny.org

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

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

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

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

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

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

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

Healthy Living Farm- <https://www.healthylivingfarm.com>

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
Urban Fruits & Veggies- <https://buffalogogreen.org/urban-fruits-veggies/>
Utley Acres- <http://utleyacres.com/>
Westside Tilth Farm- <http://westsidetilth.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>
Local Meats- <http://meatsuite.com/>
NY State Fruit and Vegetable Harvest Calendar- <https://www.agriculture.ny.gov/HarvestCalendar.html>
WNY Food Hub for Farmers-<https://www.edenvalleygrowers.com/wny-foodhub>

Local Businesses with Classes and Workshops

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

Local Tourism promoting Sustainability

Buffalo Tours- <http://www.preservationbuffaloniagara.org/buffalo-tours/>
Niagara Wine Trail - <http://www.niagarawinetrail.org/>

Recycling, Reuse, Disposal, Green Cleaning Options: (also check www2.erie.gov/recycling/index.php?q=node)

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

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

Construction Materials-Buffalo ReUse, Habitat for Humanity Restore
Contact Lenses and Blister Packs- Bausch & Lomb program with [drop-offs](#) at eye care offices
Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>,
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.
Envelopes, tyvek- 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](http://GreenEducationFoundation)
[Facing the Future](http://FacingtheFuture)
[Cloud Institute for Sustainable Education](http://CloudInstituteforSustainableEducation)
[Sustainable Futures Institute](http://SustainableFuturesInstitute)
[Nature Generation](http://NatureGeneration).
[The Center for Ecoliteracy](http://TheCenterforEcoliteracy)

[Hamline's Center for Global Environmental Education \(CGEE\)](#)
[The National Science Teachers Association Learning Centers](#)
[The US Partnership for Education for Sustainable Development](#)
[Basics of Organic Farming](#) is a self-directed online course for beginning orchard and vegetable-crop farmers
[Our Farms, Our Future](#) podcast series
[Second Nature's Solution Center](#)

On Demand Webinars:

[Extended Producer Responsibility](#) (other videos on same youtube channel).
[Plan-It GEO](#)
<https://www.ceres.org/events/ceres-climate-week-nyc-2020>- CERES from NYC program in Climate Week
EarthEcho [Youtube channel](#) Water Challenge [playlist](#).
STEMExplore Virtual Career Connections [Virtual Events](#) page

Miscellaneous tools including videos and websites:

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>
Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>
Community Food Waste Guide- Access the free resource [here](#).
Change Food Library <http://www.changefood.org/changefoodlibrary/>
USDA Tool Kit for Local Food [toolkit](#)
[Better Than Ed](#)-Video series with Actor Ed Begley encouraging environmentally-friendly practices.
[EJSCREEN](#) is an environmental justice mapping and screening tool.
[Local Foods, Local Places Toolkit](#) to help communities develop their own plans for setting and achieving local food and revitalization goals.
[Merlin Bird ID app](#) Bird id by song
[Archived EPA Climate Change Info.](#)
www.epa.gov/climate-indicators.
[Guide to help schools reduce food waste](#)
[Tool for Sourcing Local Meat](#)
[Click here to watch the Know Your Food videos.](#)
[iMATTER Youth Movement to Spark Change](#)
[Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#)
[EWG's Guide to Healthy Cleaning.](#)
[EWG's Tap Water Database.](#)
<http://www.nebeginningfarmers.org/online-courses/> -beginning farmer online training through Cornell.
[2018 Fuel Economy Guide](#)
[Climate Hubs](#) provides information for managing risks posed by a changing climate.
[NOAA National Marine Sanctuary Webinar series](#)
[NOAA One Science Seminar Series](#)
[Green Restaurant sustainability tool](#)
[Mapping Climate Change.](#)
[Socially Responsible Investing and Banking](#)
[Bee Better Certified™](#) - pollinator-focused farm certification program
[Promise of Biomimicry](#)
[Pollinators under Pressure](#)
[Recycle Right NY](#)- Resources and info on how to recycle and where you can recycle are shared.

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

Adirondack Mountain Club-Niagara Frontier Chapter <http://adk-nfc.org/>
Meetings 7:30, second Tues. from Sept.-June

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
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
Aurorans for Climate and Environmental Sense	https://www.facebook.com/aceseastaurora
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Birds on the Niagara	http://www.birdniagara.org/
Black Rock Riverside Alliance	https://brralliance.org/
Bond Lake Environmental & Beautification Committee	https://www.facebook.com/BondLakePark/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloaudubon.org
Buffalo Blueway	https://buffaloblueway.com/
Buffalo Central Terminal	https://buffalocentralterminal.org/
Buffalo Go Green	https://buffalogogreen.org/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	https://www.facebook.com/BuffaloF2S/

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 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://lambbluebirdtrail.org/
Clean Air Coalition of Western New York	https://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.facebook.com/coalitionpositive/

Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cooperation Buffalo	https://www.cooperationbuffalo.org/
Cornell Cooperative Extension for Cattaraugus County	http://cattaraugus.cce.cornell.edu/
Cornell Cooperative Extension for Chautauqua County	http://chautauqua.cce.cornell.edu
Cornell Cooperative Extension for Erie County	http://erie.cce.cornell.edu/
Cornell Cooperative Extension for Niagara County	http://cceniagaracounty.org/
Cornell Cooperative Extension for Wyoming County	https://wyoming.cce.cornell.edu/
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	https://www.epa.gov/aboutepa/epa-region-2
Erie Canal Harbor Development	https://esd.ny.gov/erie-canal-harbor-development-corporation-0
Erie County Climate Action & Sustainability	http://www2.erie.gov/environment/sustainability
Erie County Conservation Society	http://eccs-club.org/
Erie County Department of Environment and Planning	http://www2.erie.gov/environment/
Erie County Environment Management Council	http://www2.erie.gov/environment/
Erie County Farm Bureau	http://www.ecfarm.com/
Erie County Federation of Sportsmen's Clubs	https://www.ecfsc.org/

Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
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 Future WNY	www.foodfuturewny.org
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.finwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.org
Friends of Sinking Ponds	https://www.friendssinkingponds.org/
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	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/

Greater Buffalo Urban Growers Network	www.facebook.com/greaterbuffalourbangrowers
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Research Consortium	https://www.esf.edu/glrc/
Habitat for Humanity	https://www.habitatbuffalo.org/
Hawk Creek Wildlife Center	https://www.hawkcreek.org
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
Hope Rising Together	https://ltlol.com/
Housing Opportunities Made Equal	https://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Inland Ocean Coalition-Buffalo Chapter	https://inlandoceancoalition.org/whoweare/chapters/buffalo/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://auduboncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Lake Erie Watershed Protection Alliance	http://www.erie.gov/lewpa
Leadership Buffalo	https://www.leadershipbuffalo.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Local Initiatives Support Corporation	https://www.lisc.org/wny/
Lyceum at Silo City	https://www.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.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	https://nysacc.org/
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
NYS Association for Reduction, Reuse and Recycling	https://www.nysar3.org/
New York State Sea Grant	http://www.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
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
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.facebook.com/livablewny/
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	www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	www.facebook.com/ThePrimateSanctuary
Providence Farm Collective	http://providencefarmcollective.org/
PUSH Blue	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://roccbuffalo.org/
Retree Western New York	https://re-treewny.org/
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	www.facebook.com/riseupforclimatejustice/
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	www.facebook.com/groups/slowrollbuffalo/
South Buffalo Alive	www.facebook.com/South-Buffalo-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	www.facebook.com/TonawandaCreek/
Tuscarora Environmental Task Force	www.facebook.com/tuscaroraenvironment/
21 st Century Park on the Outer Harbor	www.facebook.com/21stCenturyParkOnTheOuterHarbor/
UB Engineers for a Sustainable World	https://www.facebook.com/groups/esw.ub/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/

Urban Land Institute	http://newyork.uli.org
Urban Roots	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, Northeast	https://www.fws.gov/about/region/northeast
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	https://voicebuffalo.org/
Western Chapter New York Water Environment Association	http://nywea.org/
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 Land Conservancy	https://www.wnylc.org/
WNY Mountain Bike Association	http://www.wnymba.org
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Permaculture	www.facebook.com/WNY-Permaculture-1098493876841295/
WNY Raptor Center	Wnyraptor.com
Western New York Science Teachers	http://www.westernstanys.com/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
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/
WNY Peace Center Renewable Energy Task Force	https://www.wnypeace.org/
WNY Weather Society	www.facebook.com/amswnychapter
WNY Young Birders Club	https://www.wnyybc.org/events
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
World on your Plate	https://www.facebook.com/worldonyourplate/