# Enviro-News

## May, 2022

**Sponsored by Daemen University's Global & Local Sustainability Department**

**Newsletter Contents:**


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


## Articles:

### I Love My Park Day

Show your favorite park love this spring. Join Parks & Trails New York – and thousands of volunteers across the state – on **Saturday, May 7** in celebrating and enhancing New York's parks and public lands. sign up for an I love my park day event to clean up parks and shorelines, plant trees and gardens, restore trails and wildlife habitat, remove invasive species, and more. With 160+ events scheduled across the state, it's easy to find one near you! Register today.

### Wild Earth at Hawk Creek

Hawk Creek invites you to *Walk With The Eagles* as we celebrate these incredible creatures at our Wild Earth event on **May 7 and 14** from 11am to 4pm. Eagles have captured human imagination for centuries. Don't miss your first glimpse of our newest eagle ambassador, and of course no visit is complete without meeting our Bald Eagle ambassador, Gryphon! In addition to one of the most diverse eagle education teams in the country you'll also meet hawks, owls, falcons, wild cats, reptiles and more. Make sure you duck at the flying bird show, "Inspire" as you get closer than ever to raptors from around the world! With activities for all ages, including animal encounters, crafts & games, Hawk Creek is THE place to experience the WILD and celebrate global eagle conservation! Event parking is FREE and tickets are $15 for adults, $13 for veterans and seniors, $9 for children, and $35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or online. Please visit www.hawkcreek.org for info and directions. Event is rain or shine at 1963 Mill Rd., West Falls.

### Adirondack Mountain Club: Backyard Bird Habitats and Wildlife Rescue

On **Tuesday, May 10, 2022,** The Adirondack Mountain Club - Niagara Frontier Chapter will meet at the Amherst Community Church, 77 Washington Hwy., Amherst, NY 14426. At 6:30, local birder, blogger and author, Alan Baczkiewicz, will talk about his new book, *The Backyard Bird Sanctuary: A Beginner's Guide to Creating a Wild Bird Habitat at Home.* Alan's program will cover basic birding for home enthusiasts. At 7:30 pm, Margie Hanrahan, founding board member of Messenger Woods Wildlife Care and Education Center, will present a powerpoint on "Wildlife Rescue 101". Margie, along with a few of her friendly, feathered educational ambassadors, will provide us with a basic working knowledge of how to safely and correctly rescue an animal until the proper rehabilitator can assume care. Guests are welcome!

### May Green Drinks

Join fellow environmentally minded individuals as we meet in person on **Thursday, May 12th** at 5:30pm at Buffalo Cider Hall,155 Chandler St Suite 4, Buffalo, NY 14207. The event is also listed on Facebook or on the Green Drinks webpage. No reservations needed and great for networking and making new friends.

## Rain Barrel & Compost Bin Sale

Erie County, in partnership with the City of Buffalo, the Town of Wheatfield, and the WNY Stormwater Coalition is once again offering rain barrels and compost bins to encourage households to reduce their environmental footprint through water conservation and reducing fertilizer use. Order deadline is May 25. Place your order today at https://erie.compostersale.com/. Pickup dates are **June 8, 9 and 11th** in Buffalo or Wheatfield. Choose your pickup site at ordering time.

## Free Pesticide Disposal for Farmers and Landscapers

NYSDEC's CleanSweepNY pesticide collection will be in Lockport on **Tuesday, May 10**. Pre-registration is required. Email info@cleansweepny.org or phone 518-225-8146 for a registration packet. The collection does not apply to homeowners. CleanSweepNY services are provided to farmers and owners of former farms, all categories of NYS certified pesticide applicators, cemeteries, golf courses, marinas, schools, landscapers and lawncare providers, nurseries, greenhouses, and other entities possessing unwanted or unusable pesticides and other waste chemicals. Each participant is responsible for transporting their materials to the collection site.

## NY Safe Boating Course

Register for one of two sessions of a free New York Safe Boating Course. **Sessions are May 10 or May 12** from 5 to 9pm each day. If you are 18 or older you will be required to pay NYS Parks a $10.00 fee for your boating safety certificate. Open to anyone 10 years old or older. Upon successful completion, students will receive a NY Sate Safe Boating Certificate. This class also certifies anyone 14yrs. or older to operate a Jet Ski in NY State waters. To access the Niagara County Public Safety Training Facility (5574 Niagara St. Ext., Lockport 14094) on the day of the class please pull your vehicle up to the intercom box and push the button. Tell the Niagara County Dispatcher that you are attending the Boater Safety Coarse and they will open the gate. Use the main entrance to enter the building. Register Now

## 64th Allegany Nature Pilgrimage

The 64th Allegany Nature Pilgrimage is on the calendar for **June 3, 4, and 5, 2022**. Early bird registration ends May 8. The event will take place in the Red House Area of Allegany State Park. The ANP committee is hard at work with planning. The program leaders are raring to go! We hope that you will be joining us! The rental period is now open for securing a cabin or campsite at the Park for the ANP weekend. Reservations can be made up to 9 months in advance. Go to www.reserveamerica.com to make your reservations. For info about this popular event, please see the website at www.alleganynaturepilgrimage.com.

## 2022 Spring Birding Challenge

From **April 22nd through June 30th**, visit 10 of 15 birding hotspots including Beaver Meadow Audubon Center. Upload a selfie at each location to https://outsidechronicles.com/challenges/. Everyone who completes the challenge by June 30th receives a 2022 Spring birding Challenge Patch and is automatically entered in a drawing to win a pair of Vortex Optics Viper HD 8x42 Binoculars. Register for the Spring Birding Challenge which does have a cost to join.

## New York State Climate Action Council Announces Public Hearing Schedule

New York State's 22-member Climate Action Council, established under the Climate Leadership and Community Protection Act (CLCPA), will hold 10 public hearings across the State to receive public input on the Draft Scoping Plan and advance work on a Final Scoping Plan to guide the implementation of the State's nation-leading climate goals under the CLCPA. The Council is accepting public comments on the draft through **June 10, 2022.** The Council extended the comment period beyond 120 days to allow for additional public input. To review the draft scoping plan and submit feedback, visit: https://climate.ny.gov/Our-Climate-Act/Draft-Scoping-Plan

## Erie Community County Climate Action Planning

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

## New York Cycling Census- Survey Feedback Wanted!

Be a part of the first New York State Cycling Census! This is an exciting and unprecedented opportunity to help shape the future of cycling and document where, why and how New Yorkers are riding bikes! With this survey information, we can help shape public policy that will foster safer streets, and more equitable transportation options across the state. Cycling Census will collect a statewide dataset on bicycle integration with mass transit. The purpose of this short survey is to collect insights from cyclists and transit customers from all over New York State to better understand opportunities and barriers for active first/last mile transportation. This survey is supported by the New York State Energy Research and Development Authority (NYSERDA). Each participant will be entered to win one of three $150 Planet Bike gift cards offered by UCS. Complete at https://nyserda.az1.qualtrics.com/jfe/form/SV_aaOKnyxZSgkskmi

## Free Complete Streets Workshops for Communities

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

## No Mow May Movement

No Mow May is gaining popularity and people are embracing their dandelions and clover. Our pollinators need a diverse landscape with flowers and can't meet their needs with grass lawns. Turf lawns maintained by weedkillers and mowed routinely offer nothing to our bees and other pollinators. Lawns cost money, labor and the chemicals jeopardize the health of our pets and children. For more info on the benefits visit https://beecityusa.org/no-mow-may/ and you can learn tips on a healthy pesticide-free lawn at http://www.erie.gov/healthylawns/.

## Dim the Lights for the Birds at Night

World Bird Migratory Day is May 14. While most of our migratory birds have returned for the summer, we can use this date as a reminder to limit our nighttime light pollution during their migration. This year's theme is "Dim the Lights for Birds at Night," focusing on the impact of light pollution on migratory birds. Explore this online toolkit full of helpful resources, including fact sheets, virtual and in-person event ideas, social media resources, sample LTEs and Op-eds, and more! We hope that you will use this toolkit to help spread the word about World Migratory Bird Day and the fantastic Lights Out work being done across the network.

## Case Study for Climate Solutions: Clean Path NY

A discussion "A Case Study for Climate Solutions: Clean Path NY" was hosted by actress and Earth Day Initiative board member Alysia Reiner and included discussion of the challenges we face and how large-scale projects like Clean Path NY can provide a road map for the kind of massive shift toward renewable energy we need if we want to hit our climate targets. View it at https://www.earthdayinitiative.org/clean-path-ny.

## Board game for birders takes flight during pandemic

Birding became a hobby for many during the pandemic. For those without a backyard or binoculars to spot rare jays and finches, game creator Elizabeth Hargrave offered an alternative in the form of a bird-inspired board game. "**Wingspan**" allows players to try their hand as an ornithologist, who stewards forest, grassland and wetland habitats. The goal: entice the widest variety of birds to your nature reserve using a variety of tools, including food tokens and pastel eggs. During each turn, players draw from the 170-card deck — complete with hand-painted bird illustrations and trivia from sources like the Audubon field guides and the Cornell Lab of Ornithology's eBird database. As the game continues, the amateur ornithologists will grow their bird populations, while learning more about the importance of protecting each species' habitat.

## How To Reduce Synthetic Fertilizer Use

The National Center for Appropriate Technology (NCAT) has released a new toolkit with trusted and practical resources for farmers who want to transition away from the use of synthetic fertilizers. Transitioning to a production method that is not reliant on synthetic fertilizers can be accomplished strategically over three to five years. NCAT's collection of publications, tipsheets, and videos offers a good place to start learning how things like cover crops, green manures, and alternative soil amendments can result in reduced input costs and increased self-reliance.

## Keep America Beautiful® Great American Cleanup

The Great American Cleanup® is taking place in communities just like yours around the country, starting today! Through a grassroots spring-cleaning movement, our affiliates, partners, and volunteers create lasting impact by removing litter and debris from roads and shorelines, planting native trees, restoring trails, rebuilding public spaces, and much more. The Keep America Beautiful® Great American Cleanup is the nation's largest community improvement program and runs from today through June 21, 2022. Find a cleanup or sign up to conduct a cleanup event.

## Household Hazardous Waste Dropoff

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

## Funding for Eligible Private Forest Landowners to Establish and Renew New York Forests

In honor of Arbor Day, $750,000 in funding has been allocated for the second round of the State's 'Regenerate NY' Forestry Cost Share Grant Program. The grant program is designed to assist private landowners in growing the next generation of forests, which are crucial for mitigating climate change, providing wildlife habitat, protecting air and water quality, and supplying an important renewable resource. A third of the total available funds ($250,000) is specifically earmarked for tree planting projects that will establish new forests or supplement the regeneration of existing ones. With nearly 75 percent of New York's 18.7 million acres of forestland being privately owned, the grants help support landowners in growing healthy forests. Regenerate NY is funded by New York State's Environmental Protection Fund (EPF) and managed by DEC's Division of Lands and Forests. Private landowners who own between 10 and 1,000 acres of forest land in New York State may apply for grant awards ranging from a minimum of $10,000 to a maximum of $50,000, with a required 25 percent match. Eligible projects include, but are not limited to, planting trees, soil scarification, removing competing vegetation that would interfere with seedling establishment and growth, and installation of deer fencing. Applicants must work with a private forester to develop their project. Up to two applications may be submitted per applicant, provided the applications are for separate properties. Applications may be submitted through the New York State Grants Gateway and will be accepted until 3 p.m. on Oct. 7, 2022, or until funds are depleted, whichever comes first. DEC is holding a webinar for interested applicants on **Friday, May 6, at 10 a.m.** For instructions on how to access the webinar via phone or computer, or for details about the grant opportunity including application criteria, visit DEC's website.

## Beekeeping Apprenticeships

Masterson's is excited to continue our Beekeeping Apprenticeship program for the 2022 season. Our goal is to help both new beekeepers and those thinking of becoming beekeepers to develop a deeper understanding of hive management. We believe that while classroom instruction is an important part of understanding the working of a hive, the hands on experience that our program can provide is essential. The program will include an introduction to beekeeping, but will focus on time spent outdoors in our apiary. During the sessions, each participant will work in a small group with one of our experienced beekeepers and then have the responsibility of caring for several of our hives. Because participants will be inspecting the same hives each time, they will have the opportunity to see how the colony of honeybees changes over the course of the program. We'll be there every step of the way, and we think you'll be surprised how much you can learn during the three month session! In addition to proper hive inspection techniques, you'll learn how to deal with any issues that might arise such as swarm control, re-queening, varroa mite counts & treatment, making splits, combining weak hives, dealing with laying workers and much more. Limited space: https://mastersons.net/apprenticeship-application

## 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.

## Erie County Environmental Newsletter

Erie County is now sending out a monthly newsletter to highlight their current activities. If you want to stay updated, sign up here. There are also opportunities to receive updates on Hazardous Waste Collection, Recycling, Volunteering opportunities, or to join a committee!

## "Secret Places of Western New York - 25 Scenic Hikes"

The new edition of "Secret Places of Western New York" will be available April 1. This 192-page hiking guide to out-of-the-way places in WNY written by Bruce Kershner, Jennifer Hillman and Bill McKeever can be ordered at www.secretplacesofwny.com. With the passing of Bruce Kershner, Hillman and McKeever partnered with his family to bring this out of print book back to the public. The book is a great gift for an outdoor enthusiast in the area.
Pre-orders for autographed copies are being accepted at www.secretplacesofwny.com.

## Cycle the Erie Canal: Registration Open for the July 10-17 Trip

Registration is open for the 2022 Cycle the Erie Canal, organized by Parks & Trails New York. Back this year at full capacity, don't miss the opportunity to cycle from Buffalo to Albany on a 400-mile, fully supported, 8-day ride, or choose a 4-day option from Buffalo to Syracuse. Trip dates are July 10-17. Registration Open for Cycle the Erie Canal

## U.S. Department of the Interior Releases Their 5 Year Invasive Species Strategic Plan

The Plan sets out a vision for effectively managing invasive species through collaborative conservation to protect our nation's environment; natural and cultural resources; economy and infrastructure; and public health. It both reflects ongoing work by the Interior and its partners and leverages opportunities to respond to emerging issues. Stakeholder input received at the onset of the Plan's development, and again during the formal public comment period on the draft Plan, significantly influenced the content of the Plan. You can access the Plan HERE.

**World Wildlife Fund's 5K for Nature is Back**

Help World Wildlife Fund raise money and have fun. You get outside during the first week of June, but now you have a choice of how you'd like to participate. With the **5K Anywhere, Anytime** option, your 5K can be anything you like—from a challenging hike to a walk with your family in a nearby park—as long as you take the time to appreciate being surrounded by nature during June 1-7. Or, choose the **Live Virtual 5K**, and you and other Panda Nation members across the country will run on **Saturday, June 4th at 10am EDT** and enjoy a unique livestreamed event through the Charge Running app. Learn more and sign up.

**Hands-On Learning in the BNHV Apiary**

A two-month, hands-on beekeeping program in the Buffalo Niagara Heritage Village onsite apiary from **May 12-July 7** on Thursdays from 6-8pm. Students will meet bi-weekly to perform hive observations and maintenance. All beekeeping equipment will be provided, and must be returned at the conclusion of the program. *Attendance at the Introduction to Beekeeping Workshop is highly recommended.* *Register.*

**Squid-inspired Packaging: Not too Hot, Not too Cold**

Inspired by the way squid skin changes color, researchers have made a temperature-regulating material for coffee cups, takeout containers, grocery delivery bags, and shipping boxes. The insulating material could provide a new solution for food and beverage packaging that is cheap, recyclable, and sustainable, researchers say in a paper published in the journal *Nature Sustainability*. The inventive, heat-regulating material is cheap and recyclable, and provides an energy-efficient and sustainable solution for food and beverage containers. View more.

**Consultant for Waste Analysis Needed**

Erie County Department of Environment and Planning (DEP) seeks a consultant to perform a multi-site waste audit and waste analysis on select and representative county facilities and properties. The purpose of the multi-site waste audit is to conduct a physical analysis of waste streams at a variety of county sites, establish a baseline and inform development of diversion targets and goals. Please find full RFP here.

**Take your Bird Feeders Down: Reduce Avian Disease**

Highly pathogenic avian influenza (HPAI) is a serious, fatal disease of poultry. Since the beginning of the year, it's been identified in over 350 wild birds in 20 states, including New York. New York has also had 3 cases of HPAI to date in backyard poultry flocks, which resulted in the death of 268 birds. It is up to us as good friends and neighbors to help protect domestic poultry flocks. One of the ways that we can do this is to take down our wild bird feeders for a little while. While this disease is mostly carried by wild waterfowl, research has shown that other wild bird populations can carry it too, especially if they share nesting and feeding grounds with wild waterfowl. Concerns about dead or sick wild birds can be directed to your local Department of Environmental Conservation (DEC) office. Unusual whole-flock illnesses or deaths in poultry can be directed to NYS Department of Agriculture & Markets: 518-457-3502; the USDA (United States Department of Agriculture): 866-536-7593; or your local Cornell Cooperative Extension Office.

**Get rewarded for protecting the planet**

Money doesn't grow on trees, but you can win cash by protecting them. The MyTrees app lets you make a meaningful global impact by tracking your daily eco-actions to reduce carbon, protect trees and conserve wildlife species with Conservation International. MyTrees believes climate-positive actions should be rewarded, so each day at 4pm GMT you'll have the chance to win cash and other rewards. The higher your streak, the greater your chances! Join the planet hero community today to protect trees, make an impact and earn rewards. **Sign up**

## American Farmland Trust: Solar Siting

The American Farmland Trust has published a new report, Smart Solar siting on Farmland: Achieving Climate Goals While Strengthening the Future for Farming in New York. Solar siting presents both opportunities and challenges for protecting farmland and supporting New York's farmers and farm economy as New York strives to meet the renewable energy goals established in the Climate Leadership and Community Protection Act, including generating 100% clean energy by 2040. New York needs a plan to attain critical climate goals while strengthening the future for farming and growing food.

## NY PRISM Report

New York Partnership for Invasive Species Management has released their annual report. Highlights from the report include: collaborative efforts to pilot optimal search strategies for spotted lanternfly using detection dogs, update on prioritization tool that will help inform invasive species management decisions for PRISM regions, a case study for success from several decades of biocontrol for purple loosestrife across New York State and ecological soundscapes - how bioacoustics research could help inform management from a case study on native vs. introduced Phragmites.

## Nonnative Tree Population Increase - USDA Forest Service Report

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

## Managing Great Lakes Invaders - Video Series

The five-part short video series, Managing Great Lakes Invaders, was developed by Michigan Sea Grant and the Great Lakes Aquatic Nonindigenous Species Information System (GLANSIS). Each short video focuses on a different Great Lakes invasion story, including ballast water, sea lamprey, dreissenid mussels, and invasive carp, along with a capstone video that unites them. This project demonstrates how cooperation between researchers, legislators, industry, and other stakeholders can make a powerful difference in protecting the Great Lakes.

## 2022 Online Exams for Licensed Guides Announced

Examinations are scheduled for individuals seeking to become licensed guides in New York State for camping; fishing; hiking; hunting; whitewater; rock climbing; ice climbing; and certified skilled with boats and canoes. A guide is a person at least 18 years of age who offers services for hire, part or all of which include directing, instructing, or aiding another individual in fishing, hunting, camping, hiking, whitewater rafting/canoeing/kayaking, or rock and ice climbing. Applicants need not be a resident of New York State to receive a guide's license. Exams in 2022 will be online. The registration deadline for exams is seven days before the examination. Instructions, registration information, an outline of exam content, and a study guide can be found on DEC's Licensed Guide Program webpage.

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

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

## Erie Grown Website: Connecting Farmers and Consumers

The Erie County Office of Agriculture launched the Erie Grown website to promote local produce and encourage residents to purchase food from area farmers. The office formed with the mission to address loss of farmland and improve the agricultural economy. The website includes a site locator map and a produce finder with 145 producers. Users can search for a specific type of produce to find a location where they can make a purchase from a local grower.

## 'Greater Niagara' Birding Trail Includes 36 Locations in Five Western New York Counties

New York State Department of Environmental Conservation (DEC) announced the opening of the Greater Niagara segment of the New York State Birding Trail. The Greater Niagara segment includes 36 locations throughout Erie, Genesee, Niagara, Orleans, and Wyoming counties, providing a variety of quality birding experiences for New Yorkers and visitors to enjoy. Birdwatching has quickly become one of New York's fastest-growing recreation and tourism activities. The statewide trail includes a network of promoted birding locations that can be accessed by car or public transportation, providing an inclusive experience for all visitors to enjoy birds amid beautiful natural settings with little or no cost or investment in equipment. The diversity of trail locations makes it so that everyone from Downtown Buffalo to the Lake Ontario shoreline to rural Wyoming county can easily find a great birding location nearest to them! The New York State Birding Trail map is available at the New York State Birding webpage and provides valuable information on each site such as location, available amenities, species likely to be seen, directions, and more. Additional information on birding, educational and interpretive information, is also available. Digital information on the Birding Trail will be updated periodically, so budding outdoor enthusiasts are encouraged to check back often.

## Have a Mascara Wand to Toss?

For all mascara users out there, there may be a better destination for your old, dried-out mascara wands than a stinking landfill—the nearest wildlife rehabilitation center! When tiny animals (like cute baby birds or squirrels) are rescued, their fur or skin can sometimes be infested with fly eggs, larvae, and other pests that are difficult to remove safely. However, wildlife rescuers have discovered that clean, repurposed mascara wands make this painstaking grooming process easier for them and more comfortable for the animals, all while giving new life to waste that would have ended up in a landfill. Nonprofit organization Wands for Wildlife collects and redistributes mascara wands and has so far donated 500,000 used and 930,000 unused wands over the past five years. If you'd like to send in your used wands, soak them first in hot, soapy water, and then use an old toothbrush to remove any leftover mascara gunk. Dry them completely before packaging them and enclose a wand donation form.

## 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. Applications for funding must conform to the format provided in the Grants Gateway. 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.

## Marvel Superhero Tackles Climate Change and Social Injustice

There's a new Marvel superhero in town, and she's a Puerto Rican heroine pumped to tackle climate change, political corruption, and all the intertwined social injustices. In an upcoming installment of the graphic novel series *La Boriqueña*, the superhero Marisol Rios de la Luz and her team, the Nitainos, will be a vessel for discussing the impacts of climate change, especially on the Caribbean islands. The new volume will be released with the help of superstar Rosario Dawson and in collaboration with NRDC, its La Boriqueña Grants Program, and in partnership with local organizations with the goal of expanding solar energy and preparing the island for future extreme weather events. More.

## Funding for EV Charging Stations

Through Charge Ready NY, NYSERDA provides rebates of $4,000 per charging port for Level 2 charging stations installed at public, workplace, and multi-unit dwelling parking lots. This could add up to a savings of 30% to 80%, depending on station and installation costs. Additional incentives of $500 per port may be awarded for installations within disadvantaged communities. Most utilities now offer incentives for installing charging stations that can cover most of the installation costs and can be used in tandem with New York State and federal tax credits.

## Make Our Enclosure a Reality so We Can Help More Wildlife

WNY Raptor and Wildlife Care, Inc. is fundraising for a new multi-unit enclosure to house injured and orphaned wildlife. WNY Raptor and Wildlife Care, Inc. is a 501 (c)(3) non-profit dedicated to the rehabilitation of wildlife, environmental education, and research. In 2020, we cared for over 150 injured animals and need to expand our current space! Donations can be made on our website https://wnyraptor.com/enclosure-fundraiser . More information can be seen on our Facebook Page @wnyraptor or Instagram @wny_raptor.

## Nourish New York

The Nourish New York initiative reroutes New York's surplus agricultural products to the populations who need them most through the state's food banks. The program also provides much-needed support for the food producers and farmers who have lost markets as a result of the COVID-19 pandemic because the state's food banks are buying agricultural products from New York farmers and food processors. Learn more.

## EarthSpirit Education Adventures to Alaska and Yellowstone

Join experienced Alaskan trip leaders on an Alaskan Adventure from **August 8-17, 2022** or trip to Yellowstone National Park from **August 14-24!** For details on lodging and daily activities, visit here.

## Make Cigarette Butts Part of Your Cleanups

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

## EPA Develops Food Stewardship Education Resources for the Faith Community

EPA's Food Stewardship education efforts aim to engage the faith community on protecting the environment through reducing food waste. A downloadable Food Stewards toolkit, with tips on how to modify food purchases, donate, compost, and share success stories, is now available. Learn more about these resources.

## Clean Energy Communities Program for Towns

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

## New Remote Sensing Research for Water Chestnut in Erie Canal

Drone remote sensing is rapidly becoming a useful tool for collecting data and monitoring changes of geographic features with high spatial and temporal resolutions. The major objectives of this research are 1) to apply unmanned aerial vehicle (UAV) technology to perform rapid detection and coverage estimation of water chestnut (*Trapa natans*) invasive species along the lower reach of the Erie Canal; and 2) to assess the effectiveness of the physical removal by US Fishery and Wildlife Services. Info.

## Regenerate NY Cost-Share Grants Available for Forest Landowners

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

## NYSERDA Green Jobs Green New York Energy Studies

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

## Farm Ops Offering Military No Cost Registration into "Growing and Using Herbs" Workshop

Are you a military veteran interested in growing, preserving, and using culinary and medicinal herbs? If yes, then you should not miss this virtual workshop opportunity, held from May 10 to June 14, every Tuesday from 7 p.m. to 8:30 p.m. We will meet virtually to discuss herbs for culinary and medicinal use; growing in containers or in the landscape; growing herbs, such as lemon verbena, lemon balm, chamomile, lemon thyme, and mint that triggers our senses; how to prune and harvest; and finally how to preserve herbs for year around availability. Learn more and register.

## Bike-Friendly Business Certification

Bike Friendly New York (BFNY) is a certification program that recognizes businesses and establishments that accommodate bicycles and the people that ride them. To get certified, review requirements at www.ptny.org/bikefriendly , fulfill required criteria, and apply for review. Certified businesses can promote on their website and display on windows and other promotional materials.

## New Invasive Species: Map Shows you What to Watch

Making sure the lands and waters you love to hunt and fish stay healthy is one of the best ways we can support wildlife. Invasive species are plants and animals that not only harm our forests and waterways, but they can also harm New York's fish and wildlife. Hunters, anglers, and wildlife watchers like you can be a first line of defense, and there's an easy way for you to know what to look for: DEC's #OnesToWatch interactive map! Click on your region of the map to see the species DEC is tracking in your neck of the woods. Then follow the link for each species to find more detailed information, including info on how to easily report sightings.

## New Portable Desalination Unit

MIT researchers have developed a portable desalination unit, weighing less than 10 kilograms, that can remove particles and salts to generate drinking water. The suitcase-sized device, which requires less power to operate than a cell phone charger, can also be driven by a small, portable solar panel, which can be purchased online for around $50. It automatically generates drinking water that exceeds World Health Organization quality standards. The technology is packaged into a user-friendly device that runs with the push of one button. Unlike other portable desalination units that require water to pass through filters, this device utilizes electrical power to remove particles from drinking water. Eliminating the need for replacement filters greatly reduces the long-term maintenance requirements. This could enable the unit to be deployed in remote and severely resource-limited areas, such as communities on small islands or aboard seafaring cargo ships. It could also be used to aid refugees fleeing natural disasters or by soldiers carrying out long-term military operations. Info.

## A Conversation with Providence Farm Collective: Plant the Future of Farming in WNY

Did you miss the March 31st event hosted by WNY Land Conservancy? You can still **watch it here.**

## Central Terminal Master Plan

Central Terminal master plan, developed over 12 months, redefines the Buffalo Central Terminal's future as a vibrant local and regional destination supporting economic and social opportunities to the Broadway-Fillmore neighborhood, Buffalo's East Side and the City of Buffalo and Western New York. Visit here for more info.

## Plastic-eating Enzymes can Breakdown Garbage in Days

Of the 10 billion metric tons of plastic that humans have produced so far, only a small fraction has been recycled. Most of it sits in landfills or in the environment, where it could take centuries to degrade. But new plastic-eating enzymes could help begin to clean it up—and make recycling greener. University of Texas at Austin researchers created a new enzyme that can efficiently break down PET (a type of plastic commonly used in packaging and in materials like polyester) in days, even hours. The researchers started with an enzyme called PETase, which naturally evolved to make bacteria degrade PET plastic. Then they used machine learning to discover which mutations would make it possible for the process to happen faster and at relatively low temperatures. They tested the mutated enzyme on dozens of single-use plastic containers and several different polyester fabrics to demonstrate that it worked. In some cases, the enzymes fully degraded the plastic down to the monomer level—the basic building blocks of plastic—in less than a day. Info.

## Sustainable Leather Alternative from Fungus

Researchers from the University of Boras in Sweden have created a sustainable leather alternative using the spores of a fungus *Rhizopus delemar*, which have been fed with stale bread. As the fungus fed on the bread, it produced microscopic natural fibers made of chitin and chitosan that accumulated in its cell walls. The suspension of fungal cells was then laid out flat and dried to make a leather-like material. The fungal leather has properties similar to real leather. More

## Buffalo Food Waste Diversion is Available Year-Round

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

## What Goes Where: Recycle Coach

Erie County residents can now use an application to provide information on recycling and trash pick up for their municipality. Towns will be adding more information to the site in the upcoming weeks, but it is designed to be a one-stop site to find out how and when to recycle in your town. **Download the App or click here to learn more!**

## Manage Weeds on Your Farm: Ecological Strategies

Cornell and USDA scientists have published a guide to managing 63 particularly nasty weeds on farms. The guide can be downloaded and provides the best tactics and timing for controlling weeds while reducing labor and ensuring weed competition doesn't reduce yields.

## Managing Great Lakes Invaders - Video Series

The five-part short video series, Managing Great Lakes Invaders, was developed by Michigan Sea Grant and the Great Lakes Aquatic Nonindigenous Species Information System (GLANSIS). Each short video focuses on a different Great Lakes invasion story, including ballast water, sea lamprey, dreissenid mussels, and invasive carp, along with a capstone video that unites them. This project demonstrates how cooperation between researchers, legislators, industry, and other stakeholders can make a powerful difference in protecting the Great Lakes.

## Focus on Forest and Wood Products as Natural Solution to Address Climate Change

View a recorded webinar discussing how managing forests and using wood products can offer solutions to addressing climate change. Are you a landowner who is interested in managing your forest? DEC's new Benefit Your Land with a Plan (PDF) booklet can provide insight into the many benefits that your land can offer. The guide also gives guidance on finding a forester who can help you establish a stewardship plan for your forest. Stewardship plans are documents that guide the actions a landowner should take in order to maintain a healthy forest that can be enjoyed now and by future generations. Check out the guide (PDF) and other resources for private landowners on our website.

## Good Neighbors Compost Starts Subscription Service for Food Scrap Dropoffs

Good Neighbors Compost has locked bins to collect food scraps at 500 Seneca and Buffalo River Landing. Starting May 3, there will also be a bin at Elm Street Bakery in East Aurora. Food scraps can be dropped off and they are picked up each week and taken to Buffalo River Compost. Aa full list of accepted foods is on her website. When people sign up, they get the code to one of the bins. Business pricing varies depending on the bin size and how often she needs to pick up the waste. To sign up or put a new bin somewhere, people can contact her directly through her website or Instagram.

## Global Oceanic Plastic Waste: Reckoning with the U.S. Role

An estimated 8 million metric tons (MMT) of plastic waste enters the world's ocean each year - the equivalent of dumping a garbage truck of plastic waste into the ocean every minute. Plastic waste is now found in almost every marine habitat, from the ocean surface to deep sea sediments to the ocean's vast mid-water region, as well as the Great Lakes. The National Academies of Sciences has published a report that responds to a request in the bipartisan Save Our Seas 2.0 Act for a scientific synthesis of the role of the United States both in contributing to and responding to global ocean plastic waste. Read it here.

## Is Your Congregation Cool?

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

## Lead Pipes in your House? Get a Free Water Test

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

## Current NY Environmental Bills List

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. http://eany.org/our-work/bill-ratings

## Help Track Spotted Lanternfly

Spotted lanternfly (SLF) is an invasive pest from Asia that feeds on a variety of plants including grapes, hops, and maple trees, posing a severe threat to NY forests and agriculture. SLF has been found in several locations in NY but has not yet spread to much of the state. One potential pathway for the spread of SLF is its preferred host plant, tree of heaven (TOH), which is already found in many locations across NY. Learn more about the insect here. We are seeking volunteers like you to look for SLF and TOH in your area. Visit the NY iMapInvasives website to learn about the project, and sign up for a grid square on the map to monitor.

## Hemlock Wooly Adelgid Management

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

## Reuse Action in Action: Source for Reusable Materials

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

## One Region Forward Learning Series Recordings

The One Region Forward Learning Series has been ongoing for the past two years. The Series covers a wide variety of topics. All sessions have been recorded and are available here: https://regional-institute.buffalo.edu/work/one-region-forward/

## Resources for Buying an Electric Vehicle and Charger

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

## Farm Energy Audits

NYSERDA offers free energy audits to identify energy efficiency measures for eligible farms and on-farm producers, including but not limited to: dairies, orchards, greenhouses, vegetables, vineyards, grain dryers, and poultry/egg. In addition, greenhouse facilities can receive a free benchmarking report that describes their energy use intensity and benchmarks their facility against an anonymous aggregate of peer facilities. Farms must be customers of a New York State investor-owned utility and contribute to the System Benefits Charge (SBC). Check your current electricity bills. Farms can request an energy audit or a greenhouse benchmark report through the Agriculture Energy Audit Program.

## Understanding Your Carbon Footprint: A How-to Guide for Businesses

What is your carbon footprint? It is a measure of your climate impact. Almost every activity in your day-to-day life causes greenhouse gas emissions. These emissions can be quite obvious, like when you drive a car, or less clear, like those produced to provide a financial service. This informative resource provides a guide for businesses to better understand and develop a strategy for improving their environmental impact.

## Recycle Right Website

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

## Cultivating a Community of Support for Native Plants Webinar Recording

How do we marshall human and community resources to incorporate native plants into our gardens, parks and communities? The recording of the Tending Nature speaker series sponsored by The Ohio State University has been shared with permission. Speaker Lisa Olsen is Wild Ones' Chapter Liaison, a member and former president of the Wild Ones Front Range (Colorado) Chapter, a Colorado Native Plant Master and Certified Nursery Professional and a homegrown conservationist.

## Join the Center for Great Lakes Literacy for the 2022 Great Lakes BioBlitz

**Between Earth Day, April 22, 2022 and May 20, 2022**, the Center for Great Lakes Literacy is encouraging teachers, educators, students, families, and community members to engage in the Great Lakes BioBlitz. This event focuses on finding and identifying as many wild, living things as possible in the Canadian provinces and the U.S. states that have coastline on the Great Lakes during the time period mentioned above. This is a great opportunity to get outside and learn more about the biodiversity in your area. This event includes a BioBlitz photo contest where participants under the age of 18 can showcase their wildlife photography skills. To participate, all you need to do is create a free iNaturalist account and upload your photos to your province's or state's BioBlitz project. To learn more about this event, visit: https://www.cgll.org/2022-great-lakes-bioblitz/.

## Whole School Approach for Sustainability

A Whole School Approach (WSA) provides a framework for re-orienting and redesigning education considering emerging global sustainability challenges. It invites a holistic, systemic, co-creative and reflexive effort by all stakeholders involved in education to meaningfully engage students in complex sustainability challenges. Holistic here refers to the attempt to explore and address sustainability issues from multiple perspectives in an integrated and relational way. Systemic refers to considering key aspects of the education system simultaneously (curriculum, pedagogy and learning, professional development, school-community relationships, school practices, ethos, vision and leadership). Co-creative refers to the inclusion of multiple voices and multiple stakeholders in the development of the approach within a given context. Lastly, reflexive refers to the need for continuous learning, monitoring, evaluating and re-calibrating in light of a world that is in constant flux. DOWNLOAD THE REPORT

***Recycle City* Kids Online Learning Platform Updated-25th Anniversary**

On Earth Day, EPA celebrated the 25th anniversary of its Recycle City online educational resource. Recycle City's web-based games and activities – newly updated for the anniversary – engage students on environmental topics including waste reduction, environmental justice, and energy conservation. The games teach students about doing simple things at home, at school, and in their neighborhoods that make a difference. The Recycle City website can learn how City "residents" established a **Zero Waste** goal to reduce waste and improve the health of the community while reducing greenhouse gas emissions. The newly updated site includes electric vehicles and an anaerobic digester that turns food waste into renewable energy.

## Teacher's and Home-Schooling Resources

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

National Park Service Biodiversity Curriculum: Flipping for Adaptations allows students to learn how different structural and behavioral adaptations help animals survive. Students will show what they have learned by drawing and writing about their "flipped" animal to encourage creativity and thoughtful response in how these adaptations help their animals survive in their unique environments.

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

Science of Food and Cooking: STEAM Educational Videos

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

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

What do Cardboard Boxes have to do with Carbon Emissions?-Lesson plan

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

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

"We are what we teach: 5 ways that education can be rewired to teach nature" -YouTube video

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

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

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

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

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

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

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

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

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

TREES- curriculum for Teaching Reforestation Environmental Engagement and Sustainability.

Minecraft Sustainable City-free lessons on sustainable food production, water treatment, recycling, sustainable foresting, and alternative energies.

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

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

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

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

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

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

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

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

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

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

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

The Eco-Documentary, KISS THE GROUND: FOR SCHOOLS, available. NSTA and KISS THE GROUND: FOR SCHOOLS have partnered to bring new, science-based lesson plans and resources to K-12 teachers nationwide. The new, classroom-ready materials build key science skills while exploring the importance of regeneration and environmental health topics.

Greening STEM Activities, Lessons and Curricula- Grade 1 through high school.

EarthX Virtual Field Trip-Focusing on solutions to environmental issues presented in the EarthX free K-12 STEAM curriculum, these short 5-10-minute videos cover a wide range of topics and come complete with an overview correlated to Next Generation Science Standards as well as the TEKS. Suitable as a stand alone resource as well.

Outdoor Education Collective-Lessons, videos, curriculum.

Energy Curriculum-Free online education curriculum on energy.

Circular Economy Activity-Inspire students to reduce waste by applying a remake, reuse, and recycle model in creating an entirely new product from recycled materials.

Build Your Own Electric Vehicle-By building their own working model of an electric vehicle, students will learn about the electrification of transportation.

Additional resources

## Contests, Fellowships and Awards

New York Recycles! Poster contest-Sponsored by NYS Association of Reduction, Reuse and Recycling (NYSAR$^3$ ). All students in kindergarten through 12$^{th}$ grade in New York State public and private schools, youth organizations or home schooled are welcome to participate. If a student's school or classroom is not participating, a student may still submit an individual entry. Deadline**: May 27.**

# Grant and Scholarship Opportunities

Sustain Our Great Lakes (SOGL) program is soliciting proposals in 2022 under a new special initiative to benefit fish, wildlife, habitat and water quality in the lower Great Lakes basin via stewardship and management of private woodlands. Grants will support technical assistance for natural resource professionals and private woodland owners to accelerate the voluntary planning and implementation of effective land stewardship practices for woodlands and forests of 10 acres or more within the lower Great Lakes region. Deadline: **May 5th, 2022.**

ASC Afterschool Match Grant - award grants to state service commissions, statewide afterschool networks, or their designee to provide match funding for afterschool programs that are currently or will be leveraging national service resources in their state. Deadline: **May 13.**

2022 Forest Conservation Easements for Land Trusts Program offers competitive matching grants of up to $350,000 to fund the acquisition of conservation easements on forestland in New York State. The program has a two-step application process which includes a letter of interest and a full application. **Letters of interest are now being accepted and are due by May 16.**

Local Food Promotion Program-The LFPP, part of the Local Agriculture Market Program administered by USDA, funds projects that develop, coordinate, and expand local and regional food business enterprises that engage as intermediaries in indirect producer-to-consumer marketing to help increase access to and availability of locally and regionally produced agricultural products. Deadline: **May 16, 2022**.

Regional Food System Partnerships-USDA is accepting applications for approximately $40 million in Regional Food System Partnerships. This program supports partnerships that connect public and private resources to plan and develop local or regional food systems. Deadline: **May 16, 2022**.

2022-2023 YSA Partner Grant Opportunities include**: Youth Service Zone Grants:** $15,000 Grants for Collaboratives of 3+ Organizations to Build Partnerships & Capacity to Increase Youth Service Rates, **National Days of Service Lead Agency Grants:** Grants of $3,000 or $6,000 to Lead Partner Coalitions or Organize Projects for 9/11 Day of Service, MLK Day of Service, and Global Youth Service Day, **Afterschool Grants:** $500 Grants for Afterschool Programs to Engage 50+ youth in Service or Service-Learning Activities, **ServiceVote Fellows Grants** (Coming Soon): Grants to Engage Young Leaders to Organize Youth Voter Registration, Education, and GOTV Activities. Deadline: **May 20**.

AIA Buffalo Scholarships-Applicant must have graduated from a high-school within the AIA Buffalo/Western New York Chapter which is comprised of all Erie, Niagara, Chautauqua , Cattaraugus, Orleans, Genesee, and Wyoming Counties. Applicant must be enrolled in a NAAB accredited architecture program, or enrolled in a program that has received NAAB 'Candidacy' status. Applicant must be enrolled in the aforementioned program in the Academic Year 2022/2023. Please note: All scholarship monies must be used towards education in the Academic Year 2022/2023. Applicant must meet the following enrollment requirements: At least one year of completed course work in a B.Arch program or one semester in a M.arch program. Deadline: **May 25**.

The NFL Foundation Grassroots Program is a partnership of the National Football League Foundation, which provides funding for the Program, and the Local Initiatives Support Corporation (LISC), which provides technical assistance and manages the Program. The goal of the Program is to provide non-profit, neighborhood-based organizations with financial and technical assistance to improve the quality, safety, and accessibility of local football fields. The NFL Foundation Grassroots Program provides grants of up to $250,000 for capital improvement projects. Deadline: **May 31.**

Pratt & Whitney E-Stem Awards-Pratt & Whitney's sustainable aviation solutions use science, technology, engineering, mathematics to solve environmental challenges. We want to inspire the next generation of scientists and engineers to take this "E-STEM" approach to the challenges our planet faces. Applications will open in May 2022.

Chrysalis Fund Grant- fosters the future of entomology through grants to K-12 teachers and other educators who use insects in the classroom to get kids excited about science. Fund your bug-themed project or program. Deadline: **June 1**.

NOAA Planet Stewards- Project Funding up to $5000 for hands-on educational activities. Deadline: **5 June 2022**

Green School Grant Program-NYSAR3 established a grant program for public and private K-12 schools for implementation or expansion of waste reduction, reuse, and recycling, and composting programs. The maximum per award is $1,000. The goal of this grant program is to provide funds to develop new programs or support existing programs related to the 3 R's (reduce, reuse, and recycle) and composting. All public and private, K-12, schools in New York State are eligible to apply for funding. Deadline: **Sunday, June 5, 2022.**

Walthers STEAM Scholarship-Model railroading can lead to a lifetime of science, technology, engineering, arts, and math (STEAM) learning. Walthers, a company that sells supplies for model railroading, has launched their second annual $2,500 STEAM Scholarship. The scholarship is open to 2022 high school seniors or graduates active in model railroading and pursuing a degree in STEAM programs at a two-year or four-year technical college or university. Two scholarships will be awarded. Deadline: **July 1**.

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**

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

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

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

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

The Connect-Kids-to-Parks Field Trip Grant Program (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, 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.**

H20 for Life Mini-Grants provide $250-$500 mini-grants for schools to organize projects that educate youth about the global water crisis and help them take action to provide water, sanitation and hygiene education (WASH) for global partner schools. Deadline: **Rolling**

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

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

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

Food Waste Grants - will provide reimbursement to businesses that generate over one ton of food waste per week to offset cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. Eligible projects must reduce and/or divert wasted food at a New York State business including, but not limited to, supermarkets, restaurants, and hospitals. Monies will help food scrap generators implement food waste reduction recommendations, purchase capital equipment used in food donation, and create, improve, and expand diversion efforts to on and off-site compost and anaerobic digestion facilities. Deadline: **Rolling.**

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.**

Youth Pollinator Gardens Grant- up to $200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. 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**.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Employment and Internship Opportunities

Environmental Analyst 2: DEC Buffalo-Deadline : **May 6**.

Just Transition Organizer: Clean Air Coalition- Apply by **May 8**.

Land Stewardship Coordinator: Grassroots Garden- Apply by **May 10**.

Sustainable Landscaping Positions- English Gardener is seeking seasonal employees. If you love being outside and working with your hands and if you're proud to create magical outdoor spaces for the most appreciative clients, working with The English Gardener could be for you. We offer competitive wages and benefits.

Biological Assistants: USDA Cherry Fruit Fly and Box Tree Moth Assessments- Multiple positions. Seasonal employment in Lockport and Penfield. May to October.

Program Coordinator: EforAll- Through collaboration and relationship building, the Program Coordinator provides general assistance with entrepreneurship education and support programs, including administrative work, interaction with many different audiences including program participants, mentors, leadership, funders and the public.

Program Coordinator: WNY Sustainable Business Roundtable-**Open until filled**.

Sustainability Manager: Curbell- **Open until filled.**

Director of Programs & Experience-Buffalo Museum of Science. **Open until filled.**

Events Manager- Buffalo Museum of Science. **Open until filled.**

Head Counselor – BMS Discovery Camps- Buffalo Museum of Science. **Open until filled.**

Head Counselor – Tifft Discovery Camps- Tifft Nature Preserve. **Open until filled.**

Assistant Counselor – BMS Discovery Camps- Buffalo Museum of Science. **Open until filled.**

Assistant Counselor – Tifft Discovery Camps- Tifft Nature Preserve. **Open until filled.**

Clean Energy States Alliance Research Associate- carry out research and provide project support for two CESA projects—the 100% Clean Energy Collaborative and the Offshore Wind Accelerator Project—as well as to assist on the Building Decarbonization project. Can choose to work remotely or in the Montpelier, VT office. A combination of remote and in-office work is also possible. **Open until filled.**

Boat Stewards/Environmental Educators with WNY PRISM- will interact daily with the public at boat launches. Boat Stewards will perform voluntary boat inspections to remove visible aquatic plants and animals from all types of watercraft. This is a full-time, temporary position with an expected time frame of mid-May to early September. Location will vary: standard work week will be Thursday – Sunday, 7:00am – 5:30pm. **Open until filled.**

Seasonal Stewardship Assistant: WNY Land Conservancy- will work in the field and the office, with their primary role being the monitoring of the Land Conservancy's conservation easement properties. The length of the position term will be June 1, 2022 - August 1, 2022.

Interpretive Guide: Buffalo Niagara Heritage Village- Deadline : **Until filled.**

Animal Care Specialist Team Leader: Buffalo Zoo-Deadline: **Until Filled.**

Animal Care Specialist: Buffalo Zoo- Deadline: **Until Filled.**

Assistant Curator: Buffalo Zoo- Deadline: **Until Filled.**

Apprentice Keeper: Buffalo Zoo- Deadline: **Until Filled.**

Education Assistants: Buffalo Zoo- seasonal. Deadline: **Until Filled.**

Animal Keepers: Buffalo Zoo-part-time. Deadline: **Until Filled.**

Seasonal Assistant Trainer, Marine Mammals & Birds (part time) --Aquarium of Niagara

Assistant Trainer, Marine Mammals & Birds (part time) -Aquarium of Niagara

Aquarist II, Fish & Invertebrates-Aquarium of Niagara

Senior Aquarist, Fish & Invertebrates-Aquarium of Niagara

Seasonal Guest Experience Associate-Aquarium of Niagara

Seasonal Educator 1-Aquarium of Niagara

Niagara County Summer 4-H Youth Intern- will work as a part of the 4-H Youth Development team at Cornell Cooperative Extension of Niagara County. The intern will assist as a day camp counselor, preparing 4-H activities/displays for and working at the Niagara County Fair, the largest public event in our county. This position is critical to the success of day camp, keeping it affordable for local families and to the Niagara County Fair.

Animal Care: Erie County SPCA- Part-time and full time.

Educational Farm Associate: Erie County SPCA-Part time (2 positions) or 1 full-time.

Humane Educator: Erie County SPCA-full time.

Admissions Counselor- Erie County SPCA

Donor Engagement Manager-Erie County SPCA

Farm Assistant- Erie County SPCA

Experienced Landscape Architect (5-10 years)-Multiple locations including Buffalo.

Taste NY- Store Clerks-Cornell Cooperative Extension of Erie County has multiple openings for part-time Store Clerks for the Taste NY store at the WNY Welcome Center located on Grand Island and the TASTE NY Kiosk at the Exchange Street Train Station in downtown Buffalo.

**LISC Americorps Positions-** Help WNY non-profits improve housing, health equity, food access and more. Contact Kate Rebhan at krebhan@lisc.org for details. Earn a salary, education benefit and free health and child care.

Compost Operations Manager- Full-time. EcoVerde Organics seeks candidates to fill FT role of Compost Operations Manager. Key responsibilities: 1) Plan, manage, and supervise the compost operation, including waste/feedstock collection, hauling and depackaging; 2) Operate heavy equipment and vehicles; 3) Supervise crew, ensuring safety; 4) Record keeping and scheduling; 5) Perform other duties as assigned. 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- By participating in New York State's Clean Energy Internship Program, 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. Through the program, you'll get the opportunity to work at companies that are helping combat climate change including energy efficient product manufacturers and installers, wind and solar developers, and even businesses that work in the alternative transportation sector such as electric vehicle and charging station companies.

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.

ASHA Animal Sanctuary Internships- Seeking individuals for administrative, development, visitor programs and animal care positions.

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

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

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

## Citizen Science

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

Global Earth Challenge-Collecting data from multiple citizen science projects. See how you can be involved.

Hemlock and HWA Hunters-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu orinfo@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, an optional tape measure, and tree.

Citizen scientists: Help with BioBlitz on Buffalo's Outer Harbor- Be a citizen scientist and help the Pollinator Conservation Association with its BioBlitz through Dec. 1 on the Outer Harbor in Buffalo. Help to discover and identify flora and fauna there to improve conservation planning for future projects.

Salt Watch- Take the pledge and collect data on your local waterways to monitor road salt effects.

Other Citizen Science Programs

## Upcoming Community Activities:

**Sunday, May 1**

**Buffalo Cherry Blossom Festival 2022-**11am to 3pm at Japanese Gardens, Delaware Park. Info.

**Monday, May 2**

**Slow Roll Buffalo: Season Opener-** Meet at 6pm. Dnipro Ukrainian Center. 562 Genesee Street, Buffalo, NY. https://slowrollbuffalo.org/schedule/season-opening-ride-2/

**Bowmansville Garden Club**-7p.m. at the Bowmansville Fire Hall, 36 Main St., Bowmansville. Peggy Koppman, Master Gardener, will present "Meatballs, Volcanoes and Other Gardening Malpractices," or, in other words, what not to do. If you are interested in joining the Bowmansville Garden Club, please contact Lynne Lowery at 716-290-9617 or llowery@sprintmail.com.

**Tuesday, May 3**

**Vincent Musi: Where the Wild Things Live**-7pm, Kleinhans Music Hall, Buffalo, NY. Part of the National Geographic Speakers Series. Purchase tickets at https://bpo.secure.force.com/ticket/#/instances/a0F2I00000Uvg09UAB

**"IMAGINE Lifelong Learning Lecture Series"**-12:30 P.M. – 1:00 P.M. schedule No registration needed.

**Extended Producer Responsibility (EPR) for Gas Cylinders –** 1 to 2:30pm webinar. EPR proposals for managing used gas cylinders are emerging in the U.S. This webinar will cover the growing issue of discarded gas cylinders, why EPR can be a solution, a recent report on this topic, and how Canadian EPR programs work. Register

**"Biofilm-based production of microalgae as live feeds for the aquaculture industry."**-8 to 9am webinar. Presenter: Guihéneuf Freddy , *Chief Scientific Officer (CSO), SAS Inalve.* *Register.*

**Learn The Basics of Preservation**- 6:00 PM, join Christiana Limniatis, PBN's Director of Preservation Services, for an overview of the history of historic preservation. Together, we will discuss how preservation projects are accomplished and explore the social, economic, and environmental benefits to preserving our historic built environment. You can register and join in from anywhere! While this event is free, participants are encouraged to make a suggested donation of $10 to help support PBN's educational programming.

**Webinar: The Science Behind Your Next School Renovation**-2:00 PM 3:00 PM. Explore the research behind the need for healthy school facilities. You'll learn about the current state of the US School infrastructure and dive deep into the multiple facets contributing to indoor environmental quality. Learn about air quality and ventilation, the impact of thermal comfort, noise and lighting on student health and learning. Finally, review healthy material options and the future needs of your school facilities. Register.

**Wednesday, May 4**

**Olmsted Community Alliance District Meetings: Delaware District -** For information on meeting time, location, or to attend via Zoom, please visit bfloparks.org/oca.

**GBNRTC Public Planning Meeting**-9:30am. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with GBNRTC Member Agencies. *Please note that the GBNRTC PCC meeting will be broadcast live for public viewing on GBNRTC's* ***Facebook Page*** *facebook.com/GBNRTC*.

**GBNRTC Public Meeting for Region Central**-5:30 to 7:30pm. The meeting will present four scenarios for reimagining the Scajaquada Corridor and will provide an opportunity for public comment. Buffalo State's Alumni and Visitor Center, 663 Grant Street. Free pre-registration is encouraged at www.gbnrtc.org/regioncentral-events.

**Buffalo's Outer Harbor – what's to love?-** 6-8 PM, in person at Buffalo History Museum Auditorium. Hear from three experts on the ecology of the Outer Harbor. There will be an opportunity to advocate for making the Outer Harbor a New York State Park to prevent privatization and wildlife habitat destruction there. This program is sponsored by the Our Outer Harbor coalition (our ADK Chapter is a coalition member), Buffalo-Niagara Waterkeeper, and the Buffalo History Museum, our host for the program. The program is free, but the Museum does have a "give what you please" policy."

**USGBC Webinar: Resiliency Lunch + Learn: Community Vitality** -12:00 PM – 1:30 PM EDT. Register**.**

**Pelion Fams & Fans Planning Meeting**-5:30pm at Pelion Community Garden at City Honors. Info.

**Thursday, May 5**

**Genesee County Master Gardeners**-Free monthly Garden Talks from noon to 12:45 p.m. "Kitchen Gardens" with Master Gardener Kathie W. Kitchen gardens have been around for as long as humans have lived in communities. And no, they are not gardens in your kitchen! Join us to find out a little history, a little design, and what exactly is a kitchen garden, and what can be planted in yours. Register.

**Networking: Invasive Species & Climate Change-** 12:00 PM - 1:15 PM. We are excited to create a virtual space for practitioners and researchers to connect informally and discuss your work around climate change and invasive species! This Zoom event will include time to share your experiences, successes and challenges while networking with peers. Register here,

**Webinar About Chemical Contaminants in Lake Erie**-Noon. The Lake Erie Partnership invites you to attend their one-hour webinar. Learn about chemical and plastics contamination in Lake Erie, how contaminants can impact human and ecosystem health, and what's being done about them. Registration is required.

**Birdwatcher: A Conversation with Liz Rosenthal, Author of Birdwatcher:** 7:00 pm - 8:00 pm
Online Program Registration https://forms.gle/Cwq6RJqCaJJ83V5J9.

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

**Identification and Management of Invasive Knotweed-** 7 to 8:30pm via Zoom. Learn more and register.

**Friday, May 6**

**What's Bugging You First Fridays-** 12:30 to 1pm. Topic: IPM considerations for composting, Spotting the spotted lanternfly. See details and registration information here or call CCE Chautauqua at 716-664-9502.

**Spring Beauties**-04:30 PM - 06:00 PM at Wilson-Tuscarora State Park. Enjoy patches of unique and colorful spring ephemerals along the wetlands of 12-Mile Creek. For Information and registration call (716)282-5154.

**Saturday, May 7**

**Earth Day in May/I Love My Park Day**-Keep the Earth Day spirit alive by caring for Reinstein Woods' trails on I Love My Park Day. Small groups will venture out to work on projects throughout the day. Scouts and other organizations are welcome, but please note that large groups will be split into multiple parties that may have different start times. Online registration will open in March; check www.reinsteinwoods.org/events for more details.

**Woods Walk: Animal Signs**-1pm. Take a guided walk and look for clues left by local wildlife. No registration required. Reinstein Woods Nature Preserve.

**GoBike Buffalo Bike Repair**-2 to 4pm in front of Lockport Public Library. Free.

**Riparian Forest Communion: a liturgy**-8:00 pm at Assembly House 150, 150 Edward St. Buffalo.
GET TICKETS.

**Tool Library Volunteering**-10am at Bailey-Dartmouth Garden, 3259 Bailey Ave., Buffalo. All necessary tools, equipment and gear will be provided by The Tool Library. They recommend you wear comfortable shoes and clothing you don't mind getting dirty. Register here.

**I Love My Park Day-** Volunteer at various sites to to clean up parks and shorelines, plant trees and gardens, restore trails and wildlife habitat, remove invasive species, and more. Check for sites and signup.

**BWELL Garden Swap-** 11 a.m. to 1 p.m. Saturday, May 7 at Grassroots Gardens WNY, 389 Broadway, Buffalo. Do you have extra supplies, seeds, plants you don't want? Are there items that you need? Take your extras and see what's available. Emere Nieves, founder & lead gardener of Gardeness Inc., will discuss the benefit of native plants. Registration is required. Register here

**Spring into Nature-** 9 am to 4 pm, at Iroquois National Wildlife Refuge (INWR) in Basom, NY. This annual event called Spring Into Nature is sponsored by Friends of Iroquois National Wildlife Refuge (FINWR) and draws hundreds to the refuge headquarters located at 1101 Casey Road, Basom, NY 14014-9730. For more information go to: https://www.fws.gov/refuge/iroquois

**Solar Saturdays at the Buffalo Museum of Science-** 12 to 3pm. Head to our rooftop observation deck and get a rooftop view of the Buffalo Niagara region and beyond. Weekly on Saturdays weather permitting. All Ages Included with admission/membership.

**BAA Public Observatory Night-** 8 to 11pm. Join members of the Buffalo Astronomical Association for a live and in-person event as they take you on a telescopic tour of our solar system, our Milky Way galaxy and the universe! BAA will have the observatory at Beaver Meadow open rain or shine. In the event of a snowstorm or other weather event that forces cancellation, visit the BAA facebook page for updates. www.buffaloastronomy.com

**Make & Take Flower Crowns-**2:00 PM - 3:30 PM. Celebrate the beauty of Mother Nature at Tifft Nature Preserve with a make-n-take flower crown workshop! Weave together stems, ribbons and flowers to create a work of nature to adorn yourself or a loved one and then pose out in nature for a photo! All materials provided. **Cost:** $10/person. BMS Members save 10%. Register. **Age:** 5+. *Space is limited. Advance registration required.*

**Sunday, May 8**

**Birding with Buffalo Ornithological Society-** 09:00 AM - 11:00 AM at Evangola State Park. Join New York State Parks and the Buffalo Ornithological Society for a fun morning of birding along the new NYS Birding Trail! We will be searching for newly arrived spring migrants. This is a great opportunity for beginner birders to learn the hobby. For Information and registration call (716) 549-1050.

**A Naturalist View: Springs Awakening**-1:00 PM - 03:00 PM at Evangola State Park. Bring your curiosity and sense of wonder as we go on a naturalist's saunter to explore the world around us. We will enjoy all we see, making observations, following our curiosity, and learning from each other. Whether you are an experienced naturalist or just starting out, this series is for you. Everyone has something to learn and knowledge to share. Our outing this month will highlight the spring season For Information and registration call (716) 549-1050.

**Daisies: Between Earth And Sky Journey**-12:30 PM - 3:00 PM at Tifft Nature Preserve. Explore the diversity of color, shape, and textures in nature and investigate how to take action to keep our planet Earth healthy. Cost: $10 per scout. To register, call Tifft Nature Preserve at 716.825.6397 or email tifftreservations@sciencebuff.org. Pre-registration and pre-payment required for all programs by the 15th of the prior month.

**Monday, May 9**

**Centering People, Place and Policy for Buffalo's Sustainable Mobility**-4 to 6pm on Zoom. Help contribute to ideas so Buffalo's East Side can be one of the communities chosen for grant funding. Register. More info on project.

**Slow Roll Buffalo: Reconnector-** Meet at 6pm, ride at 6:30. Manna at 683 Northland Ave.

**Tuesday, May 10**

**"IMAGINE Lifelong Learning Lecture Series"**-12:30 P.M. – 1:00 P.M. schedule No registration needed.

**ADK Meeting-** 6:30pm Amherst Community Church, 77 Washington Hwy., Amherst, NY 14426. All welcome. Education Workshop, 6:30pm, Alan Baczkiewicz, author of The Backyard Bird Sanctuary. Presentation, 7:30 pm by Messenger Woods Wildlife Care and Education Center. Do you know what to do if you come across sick, injured, or orphaned wildlife? For the May program, our club will be welcoming Margie Hanrahan, founding board member of Messenger Woods Wildlife Care and Education Center, who will present a powerpoint on "Wildlife Rescue 101". Margie, along with a few of her friendly feathered educational ambassadors, will provide us with a basic working knowledge of how to safely and correctly rescue an animal until you can find it help.

**"Liverworts the Other Bryophytes"**-7:30pm. Niagara Frontier Botanical Society Talk. Our speaker will be Robert (Bob) Klips. Bob is a former member of NFBS and more recently a retired professor at Ohio State University in the Department of Evolution, Ecology and Biology. He gave our group a wonderful program on mosses in January of 2021. *For information on joining the Zoom meeting call 716-548-6846.*

**Mobility Devices on Public Lands: Is it a Wheelchair or Other Power-Driven Mobility Device? –** Noon to 1:30pm. Virtual. One of two sessions. Janet Zeller, a national expert on accessibility of outdoor recreation for people with disabilities, will give a presentation followed by a discussion period facilitated by the DEC/APA Accessibility Advisory Committee. Register online for the May 10 session.

**Kenmore Garden Club**-10am at Kenmore United Methodist Church, 32 Landers Rd., Kenmore.
Member Joan Heath, a researcher at heart, will share her knowledge about what an herb is and how to grow them in our gardens or on our kitchen windowsills. She will prepare herb butters using basil, thyme, rosemary and marjoram, so the group can discover the differences in their taste. She will also share some anecdotes about herbs.

**Wednesday, May 11**

**Wild Wednesday**-4:30pm. Together, kids and their caregivers can enjoy a fun hour-long outdoor activity. For children in grades K–5. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Learning from the Experts: Vessel Types** -1:00 p.m. – 2:00 p.m. ET. Educational webinar series hosted by NYSERDA's Offshore Wind Team and features independent experts speaking on key offshore wind topics, including wind farm technologies, development practices, regulatory processes, and research initiatives. Register.

**Olmsted Community Alliance District Meetings: MLK Jr. District** - For information on meeting time, location, or to attend via Zoom, please visit bfloparks.org/oca.

**Hamburg Garden Club**-10 a.m. at VFW Post 1419, 2985 Lakeview Rd. Hamburg. Lori Caso, Public Affairs manager and spokesperson for Waste Management in upstate New York, will present "Recycling Properly." Find out what to recycle, what not to recycle, and how to recycle. Guests are welcome. If you are interested in attending, please make your reservation at lonabutler4@gmail.com

**Growing Hops in Your Garden for Brewing and More**-Noon to 1pm webinar. As interest in craft beer increases, so does interest in growing hops. Hops are relatively easy to grow in the ground or in a container. In addition to appealing to homebrewers, hops have a place in culinary adventures and floral designs. Before rushing out to buy everything needed to grow hops in a backyard setting, join us to learn about growing and using hops in a non-commercial setting. Learn more and register.

**Jumpstart Gardening Expo and Plant Swap**- Orchard Park Library 6-7pm. Register at 662-9851. Master Gardeners of WNY answer your gardening questions.

**Behind-The-Scenes Tour: Geology Rocks!**-6:00 PM - 8:00 PM at the Buffalo Science Museum. 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.
**Cost:** $30 per participant, 10% off for BMS Members. Purchase tickets. **Age: 18+**

**Buffalo Ornithological Society Meeting: More About Atlasing-** Buffalo Museum of Science (map) at 7 pm in the Cummings Room. Remember to sign in at the front desk and to wear your face mask. This is the third year of the NYS Breeding Bird Atlas Project. Mike Morgante and Sue Barth will present more on atlasing and getting out of your comfort zone to find new territories to bird.

**Chevron on Notice: How 2022 Shareholder Action Can Advance Corporate Accountability**-2 to 3:30pm. The Union of Concerned Scientists and partner organizations invite you to a virtual conversation on Chevron's poor track record on climate, disinformation, human rights, environmental & racial justice, and corporate governance. Join us—along with Amazon Watch, Investor Advocates for Social Justice, Majority Action, Newground Social Investment, Sierra Club, and the Sisters of St. Francis of Philadelphia—to learn about several proposals put forward by investor advocacy groups to advance corporate accountability at Chevron.**Register for the webinar today.**

**Thursday, May 12**

**Science in the Pub: The Science of Puppetry & Other Fun Things -**7:30pm. Anney Fresh Ozar, Puppets, Costumes and things that go. Register at https://www.priweb.org/event/science-in-the-virtual-pub.
Get a glimpse at the work of 5 time Daytime Emmy Winner Anney Fresh Ozar here: https://www.anneyfresh.com/.

**What Bee is That? An Introduction to Commonly Encountered Bees of the US-** 1:00 PM - 2:00 PM ET Webinar. By May, spring will have arrived across the US and with it, many bees will be emerging and seeking out places to forage and nest -- and you might be surprised at how many different species can be found in gardens, parks, and other green spaces across our neighborhoods and hometowns. Matthew Shepherd, Director of Outreach & Education, will introduce you to commonly encountered bees, with notes on their diversity and behaviors, how to identify them, and their habitat needs. Click here for more information and to register.

**Current Global Outlook on Planet Earth:-A race against time-** 12:30 to 2pm. A triple existential threat looms over our planet – climate change, biodiversity loss, and global water scarcity. By allowing business-as-usual to be our current default option, the human race is running out of time to address this grave global crisis. Global Council for Science and the Environment (GCSE) co-founder and distinguished scientist, educator, author, and planetary health leader Dr. Karim Ahmed will deliver a lecture on how we arrived at this unprecedented moment in human history. Online lecture. Register.

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

**May Green Drinks-**We will be meeting in person at 5:30pm at Buffalo Cider Hall,155 Chandler St Suite 4, Buffalo, NY 14207. The event is also listed on Facebook or on the Green Drinks webpage.

**Friday, May 13**

**South Towns Gardeners -** 9:30 a.m. Friday, May 13 at the West Seneca Senior Center, 4620 Seneca St., West Seneca. The club will be making garden art out of old dishes and glassware. Guests and new members welcome. For more information, call 716-668-0209.

**Buffalo Astronomical Association Meeting-** 7pm via zoom. www.buffaloastronomy.com

**Saturday, May 14**

**Birds and Beans** -9am. Celebrate International Migratory Bird Day with a bird walk followed by a sampling of bird-friendly chocolates and coffee. $5/person, free for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Wild Earth-**Hawk Creek Wildlife Center, 1963 Mill Rd., West Falls, NY 14170, 11am-4pm, 716-652-8646. Don't miss your first glimpse of our newest eagle ambassador, and of course no visit is complete without meeting our Bald Eagle ambassador, Gryphon! In addition to one of the most diverse eagle education teams in the country you'll also meet hawks, owls, falcons, wild cats, reptiles and more. Refreshments, gift shop, flying bird show, wild cat chat and activities for all ages. Event parking is FREE and tickets are $15 for adults, $13 for veterans and seniors, $9 for children, and $35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or online. Please visit www.hawkcreek.org for info and directions. Event is rain or shine.

**North Tonawanda Botanical Garden Plant Sale-**9 a.m. to noon . 1825 Sweeney St., North Tonawanda. Native plants, shrubs, and trees grown by the North Tonawanda Botanical Garden Organization will be for sale to the public. Planting information will be available. A list of available plants will be listed on their website.

**Basic Tree Identification-**10am to noon at Draves Arboretum, 1821 Sharrick Rd., Darien. Price: $25 per person Register here.

**Tire Dropoff-**7am to 3pm at Broadway Garage, 197 Broadway. Limit of 4 tires/household.

**MAP's Annual Seedling Sale-**10am to 3pm at 387 Massachusetts Avenue. Seedlings are $3 and all proceeds support the continued work of the Massachusetts Avenue Project. Vegetable seedlings were grown with love here at MAP and seedling purchases are SNAP eligible. Come for your seedlings & stay for the coffee, pastries, arepas, demonstrations, kid-friendly activities & community partners. Spread the BUZZ, share, and invite your friends. Hope to see you here on the farm!

**Spring Sunrise Hike-**6:00 AM - 7:30 AM. Greet the morning Sun at Tifft Nature Preserve as it rises over the marsh and warms the Earth on an invigorating guided trail hike. Afterwards, enjoy hot tea or a cold drink and good conversation under the Willow tree by the Education Center. Cost: $8 per person. BMS Members save 10%. Register. Age: 18+. *Advance registration required. Space is limited.*

**Warblers to Wright-** 09:00 AM - 11:00 AM at Darwin Martin House State Historic Site. Take a relaxing morning stroll through Delaware Park to search for colorful warblers on migration. After our walk you can take an optional Martin House tour for half price; $10 a person! For Information and registration call (716) 549-1050.

**Genesee County Master Gardeners Spring Garden Gala -** 10 am to 1 pm at Cornell Cooperative Extension of Genesee County, 420 East Main St., Batavia. This annual plant sale features a variety of perennials, many of which are from the gardens of Master Gardeners. There will also be a selection of house plants. The plant sale starts promptly at 10 am. No early birds please. Visit the basket auction for garden art, gift certificates and a variety of themed baskets. Gently used garden books will also be for sale. The basket auction drawing starts at 12:30 pm. New this year – Garden Garage Sale! They will have an assortment of gently used– or maybe never used– gardening items such as containers, tools, signs and garden decor. Take a soil sample from your garden or lawn for a free pH test. (A half-cup sample of your garden soil in a clean container is plenty.) Master Gardeners will be available to answer your gardening questions.

**Wright Rocks!-** 11:30 am. Wright Rocks is a geologic and historic tour of Frank Lloyd Wright's Graycliff, located on the shores of Lake Erie in Derby, NY. Discover the history of the land, the architecture, and learn why Wright Rocks! For more information and to purchase tickets for this event, click here. **Penn Dixie members: please contact us for a link to discounted tickets.**

**Tool Library Volunteer Day-** 10 a.m. at Dewey Park, 494 Kensington Ave., Buffalo. All necessary tools, equipment and gear will be provided by The Tool Library. They recommend you wear comfortable shoes and clothing you don't mind getting dirty. Register here.

**Solar Saturdays at the Buffalo Museum of Science-** 12 to 3pm. Head to our rooftop observation deck and get a rooftop view of the Buffalo Niagara region and beyond. Weekly on Saturdays weather permitting. All Ages Included with admission/membership.

**Buffalo Ornithological Field Trip: Point Gratiot to Lake Erie State Park-** Point Drive & Route 5 Dunkirk, NY 14048 (map). Meet at 7:30am at Point Gratiot, Dunkirk, NY. Leader: Devin Banning (716) 260-8889, Bann3094@fredonia.edu. Meet at the main parking lot by pavilion. Our trip will begin at Point Gratiot. Gale VerHague found a striking adult Harris's Sparrow here in May of 2021! Being on the south shore of Lake Erie, this park and other similarly sited parks along the Erie shore can host a great variety of migrants during May migration. Next, we will travel the rural roads of the area stopping at hotspots like Berry Road Marsh and Van Buren Road Pond. We will also check the Dunkirk Beaches for Shorebirds. We may also check the Dunkirk Airport for all manner of grassland birds.

**Penn Dixie Spring Cleanup –**10 am to 12 pm. Join our team of volunteers as we perform the annual cleanup of Penn Dixie Fossil Park & Nature Reserve! Helpers are needed for various beautification projects including debris pickup and general maintenance. Waterproof boots are strongly recommended; please dress for the weather as we will be outdoors for several hours. Work gloves are helpful, too. We will have a limited supply of gloves on hand for those who do not bring them. There is no charge for admission and lunch will be provided! All volunteers are invited to stay after the cleanup ends for some free fossil hunting fun. Contact Sydney Mecca at sydney@penndixie.org to register or https://penndixie.org/spring-cleanup/

**Planning School Champions For Change: 2022 Idea Summit-** 9:30AM - Noon in 403 Hayes Hall on the UB South Campus. https://forms.gle/eXk49sYg8PRBkW3S7

**Sunday, May 15**

**A Tale of Two Streams: Emery Park-**10:00 AM. We will visually compare the two streams (Cazenovia Creek and a tributary) in the park, look at satellite views of their origins and learn about erosion and sediment generation. Register for A Tale of Two Streams - Emery Park

**Nature at a Snail's Pace-** 10:00 AM - 12:00 PM at Wilson-Tuscarora State Park. Join a Forest Therapy Guide and awaken your senses, be in the present, slow down and reconnect with nature. The walk will conclude with tea under the trees. (Tea not provided). For Information and registration call (716) 282-5154.

**Forest Bathing with Debra Denome**-1 to 4pm at Draves Arboretum, 1821 Sharrick Rd., Darien. Price: $35 Register here.

**Sunset & Moonrise Hike at Tifft Nature Preserve-**7:30 PM - 9:00 PM. Witness the beauty of both the sun setting and the full moon rising on a casual guided family hike through the Preserve at twilight. Cost: $7 per person. BMS Members save 10%. Register. Age: 5 and up. *Advance registration required. Space is limited.*

**WNY Invention Convention: Inventor Showcase-**10:00 AM - 2:00 PM at the Buffalo Science Museum. Join us for a celebration of young inventors from across Western New York and beyond! Hear directly from youth as they share their creative solutions to problems they encounter in their daily lives. Learn how you can participate by visiting https://wnyinventionconvention.org or come to the Museum to get inspired for next year!
*Entry included with museum admission and free for Members.*

**Buffalo Ornithological Society May Bird Count-**Please help us add to the decades of records that the BOS has collected reflecting population dynamics of the area birdlife. You can be part of a field team or simply count birds at your backyard feeder. All observations are important! If you don't know what section you live in, please contact Bob DeLeon who will put you into contact with the correct section compiler. Please visit the May Count information page on the website at more info

**Monday, May 16**

**Full Flower Moon Walk**-6:30pm. Join us for an evening walk through the woods as we look for nocturnal critters. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Nature Journaling Club at Tifft Nature Preserve**-3:30 PM - 5:00 PM. Nature is all around for us to observe, question, and record. Discover the art and science of nature journaling in our monthly club. We will cover different seasonal happenings and homework suggestions each month. Basic materials provided or bring your own. Rain or shine; Space is limited. Ages: 6 and up. Cost: $7 per child w/ adult each meeting. BMS Members save 10%. Register. *Advanced registration required.*

**Highland Park in Rochester**-9am, 150-acre park, which was designed by Frederick Law Olmstead, doubles as an arboretum, with magnolias, rhododendrons, azaleas, lilacs and much more. This trip is scheduled for Monday to avoid the crowds attending the annual Lilac Festival on the weekend. Meet at truck stop at I-90 Pembroke exit (Route 77). Easy walking. Bring lunch. Niagara Frontier Botanical Society trip.

**Slow Roll Buffalo-** Meet at 6pm, ride at 6:30pm. Em Tea Coffee Cup Café, 80 Oakgrove Ave.

**Tuesday, May 17**

**Collaborating for Resilience**-1:15 to 2:45pm. The panel includes cross-sectoral representatives from community groups promoting equity and diversity, private sector executives, city/state policymakers, and the military. All have gained an appreciation of how greater cooperation—and how to make it happen—can lead to climate solutions through structures that go beyond top-down government policy efforts to forge new strategies for climate survival. Register.

**Sustainable Trails and Accessibility: How to keep our wild lands wild while being more inclusive –** Noon to 1:30pm. Virtual. One of two sessions. Janet Zeller, a national expert on accessibility of outdoor recreation for people with disabilities, will give a presentation followed by a discussion period facilitated by the DEC/APA Accessibility Advisory Committee. Register online for the May 17 session.

**"IMAGINE Lifelong Learning Lecture Series"**-12:30 P.M. – 1:00 P.M. schedule No registration needed.

**Wednesday, May 18**

**Telling Your Story: The Power of Storytelling in Grant Applications (virtual) -** 12 p.m. Telling the story of the projects you want to bring to life is a critical component of grant applications that many struggle with. Join this webinar to hear about the Arbor Day Foundation's T.R.E.E. proposals which use community stories to find donors for projects, and about two successful local case studies in the communities of Mamaroneck and Newburgh. Registration is free but required in advance; sign up online.

**PFAS Webinar-** 1 to 2:45pm webinar from the Institute for Agriculture and Trade Policy. Per- and Polyfluoroalkyl Substances (PFAS) are a diverse group of manufactured chemicals used widely in industrial and consumer products since the 1940s. PFAS chemicals tend to break down very slowly, building up in people, animals, and the environment over time. Moreover, some studies have shown exposure to some PFAS chemicals may be linked to harmful health effects in humans and animals. Agriculture can be affected by PFAS because they have been found in some soils. PFAS can enter soil through the application of products such as biosolids. The webinar will focus on lessons from Maine, where a coalition of farmers and farm groups, public health advocates, and state legislators worked together to enact legislation to address the problems caused by PFAS contamination. Register.

**Flowers n' Feathers Walk-** 10:00 AM - 12:00 PM at Knox Farm State Park. With spring bird migration at its peak, and flowers at your feet, take in the wonderment of the spring season as we walk through Knox Farm. For Information and registration call (716) 549-1050.

**Conversations In Science, A Dash for The Ash: Critically Endangered Ash Trees**-6:00 PM - 7:00 PM. Ash trees have seen a sudden decline in the last 15 years, due in part to the invasive Emerald Ash Borer. Researchers are making high quality genomic information more accessible through new technologies. Join us for a talk on the work around these critically endangered trees with University at Buffalo. *Virtual Zoom, Registration Required* All Ages. Register.

**Thursday, May 19**

**Spring into Summer Fundraising Luncheon**-11am to 1pm at Mary Seaton Room, Kleinhans Music Hall. To support Buffalo Olmsted Parks. For info and tickets, visit www.bfloparks.org/sis22

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

**Climate Conversations: Adaptation in Agriculture**-3 to 4pm. Join us for a conversation about how U.S. farmers are responding to changing climate conditions and how policies can support these efforts. Extreme rainfall, rising temperatures, and changing production conditions are just some of the hazards climate change creates for agriculture. Join us for a conversation about how farmers are responding to these challenges in the United States and how policies can support or hinder innovative practices. Register.

**Ticket to Roll: Queen City Queens**- 6 to 9pm. Honoring and exploring some of the most influential women in Buffalo's history, Slow Roll Buffalo in partnership with Buffalove Development, invite to join us May 19 for Queen City Queens. Your ticket includes a SQUAD-led 15-mile ride, stops to fuel up on calories and history, dinner (with a vegan/gluten free option) and a non-alcoholic beverage back at woman-owned Garage Bar & Restaurant, a commemorative t-shirt and more. (A cash bar is available at the afterparty.) Part of Slow Roll Buffalo's Ticket To Roll Series, this ticketed ride is a fundraiser in support of Slow Roll's nonprofit mission to provide inclusive cultural experiences by bicycle that connect communities and promote public health. Your support helps keep our Monday community rides free for all. This ride is rated a GEAR 2, slightly longer distance and pace make it appropriate for many riders. *The Garage Bar & Restaurant 1127 Hertel Ave,, Buffalo, NY.* Get Tickets $40.00 – $50.00

**Friday, May 20**

**LEGO & STEAM Drop-in Club –** 6:30 to 7:30pm at Clearfield Branch Library. Ages 4-12, with caregiver* LEGO's and STEAM items provided! Registration required, stop by the Librarian's desk or call 688-4955. *Caregiver must stay with child!

**Saturday, May 21**

**Woods Walk: Trees in Spring**-1pm. Now that the leaves are out, join a walk to learn about our local trees. No registration required. Reinstein Woods Nature Preserve.

**Who's Underfoot?... A Leaf Litter Exploration: Hunter's Creek**-2:00 PM. Learn and find the secret inhabitants in the leaf litter of Hunter's Creek Park with Ranger Stephanie. We will try to find everything from adorable salamanders to bounding Springtails and their multi-legged neighbors, millipedes. We will go over the lives of these animals and how you can also find them in your own backyard! Register for Who's Underfoot?... A Leaf Litter Exploration - Hunter's Creek

**Kenmore Garden Club Plant Sale**-9 a.m. to 5 p.m. at 939 Delaware Rd., Town of Tonawanda. The sale will include annuals, perennials, herbs, vegetables and hanging baskets. You can pay with cash or checks only.

**Tool Library Volunteer Day**-10 a.m. at William Gaiter Parkway and Kensington, Buffalo.
All necessary tools, equipment and gear will be provided by The Tool Library. They recommend you wear comfortable shoes and clothing you don't mind getting dirty. Register here.

**Horticulture Classes: Flowering Plants-**Taught by David Clark, CNLP, renowned horticulture educator, in the Administration Building at the Buffalo and Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Classes will be taught from 11 a.m. to 1 p.m. Saturdays. These classes are for both new and experienced gardeners. Classes are suitable for students 16 and older. Classes can be taken individually or together as a series. The cost is $25 per class for the public and $22.50 per class for Botanical Gardens members. Register here. Registration closes the Friday before each class. Class topic: All About Roses.

**Buffalo Ornithological Field Trip: Allegany State Park-Allegany SP -** Red House Lake area wetlands parking area (map), Leader - Matt Nusstein; matthew.nusstein@parks.ny.gov, (716) 446-3376. Start time - 9:00am in the parking lot for the wetlands at Red House Lake. This will be a half to full day trip. Please bring your lunch and beverages! We can carpool from the wetlands parking lot. Matt Nusstein has graciously volunteered to lead a trip through this 65,000 acre state park which boasts extensive old growth forest carved by waterways, creating scenic ravines. These damp and shady glens host nesting Louisiana Waterthrush and Acadian Flycatcher. Ruffed Grouse quietly walk the shady road edges and forest floor throughout this stronghold for the species in WNY.

**Capen Garden Walk Spring Plant and Seed Exchange-** 10 a.m. to 2 p.m. at University Presbyterian Church, 3330 Main St. at Niagara Falls Blvd., Buffalo. There is no fee to exchange perennials, herbs, vegetables, annuals and tropicals. Seeds will be accepted and distributed by ARTseeds of the University Heights Arts Association. They also accept gently used planters, garden art, vases and other garden paraphernalia for resale to benefit the Christine Brooks Garden Grant. For more information, email capengardenwalk@gmail.com.

**Solar Saturdays at the Buffalo Museum of Science-** 12 to 3pm. Head to our rooftop observation deck and get a rooftop view of the Buffalo Niagara region and beyond. Weekly on Saturdays weather permitting. All Ages Included with admission/membership.

**Square Community Garden Service Day with Fillmore Forward-**10am-1pm, 1590 Fillmore Ave, Buffalo, NY 14211. Help with planting vegetables, staking and gardening. Sign up here.

**Spring Clean-Up At The Terminal-**Our second Spring Clean Up is at 10 am. We hope you can join us to get the Terminal ready for a new summer season of events! Get the details on our event page!

**Sunday, May 22**

**Ticket To Roll: Double Play-**11am to 5pm at *Sahlen Field 1 James D Griffin Plaza, Buffalo, NY.* Take me out to the bike ride! Our inaugural Double Play ride and ballgame in partnership with the Buffalo Bisons will begin at Sahlen Field on a diamond-shaped 10-mile route tracing the past, present and future of baseball in Buffalo from famous locations like the Ol' Rockpile to the lesser-known homes of local legends, returning in time to see The Herd take on the Syracuse Mets. Your Ticket to Roll includes the ride, game ticket, Bisons merchandise and refreshments. Wanna skip the ride and meet us in the seats?! Part of Slow Roll Buffalo's Ticket To Roll Series, this limited-capacity, ticketed ride is a fundraiser in support of Slow Roll's nonprofit mission to provide inclusive cultural experiences by bicycle that connect communities and promote public health. Your generous support helps keep our Monday community rides free for all. This ride is rated GEAR 1. Mileage and a 10mph pace with stops make it appropriate for most riders. Get Tickets $20.00 – $50.00

**Kenmore Garden Club Plant Sale**-10 a.m. to 2 p.m. at 939 Delaware Rd., Town of Tonawanda. The sale will include annuals, perennials, herbs, vegetables and hanging baskets. You can pay with cash or checks only.

**Four Mile Creek State Park on the Lake Ontario Shore**-10am. Niagara Frontier Botanical Society.
We will hopefully be timing our visit to coincide with the flowering time of the Flowering Dogwoods which we thought we spotted on a previous autumn field trip. Call Joanne Schlegel for directions and possible carpools: 716-835-6042. Guide on site: Mark Hittle.

**Ornithological Field Trip: Amherst State Park**-400 Mill St Buffalo, NY 14221 United States (map). Leader: Christina Rockwell Rockwell.christina@gmail.com (302) 530-9480. Meet at 7:30am in the parking lot located on the south side of St. Mary's Apartments. This will be a 1/2 day trip wrapping up around 11am. Please join Chris as she guides us through one of the premier migration hotspots in WNY. This easily walkable park is a pleasure to stroll through and can be very birdy. Last spring, ASP hosted an incredibly cooperative Black-throated Gray Warbler. The eBird checklist for this location currently stands at 201 species.
The list of rarities found here over the years include Western and Summer Tanagers, Nelson's Sparrow, Worm-eating and Connecticut Warblers...even Long-eared Owls nested here one year! Late spring flights of Broad-winged Hawks occur when the winds are out of the SW. Plan on a half-day trip focused on Neotropical migrants during the peak of avian diversity movement through our region.

**Spring Stroll-** 10 am – 11:30 am for a morning of outdoor exploration! We will search Penn Dixie's woods and wetlands for spring flora, fauna, & fungi and discuss the seasonal changes of the park. This program is recommended for people ages 8+. We will meet at the check-in pavilion next to the parking lot for a brief introduction before heading out on the trail. This event is free, but does not include fossil hunting. If you are a non-member and would like to stay after the program and dig for fossils, you must purchase a general admission ticket. Information regarding our admission rates can be found here: https://penndixie.org/hours-and-rates/ Registration for members opens on 4/29, registration for non-members begins on 5/6. lease visit our website to register for the Spring Stroll: https://penndixie.org/spring-stroll-5-22/

**Spring Migration Hike at Tifft Nature Preserve**-9:00 AM - 10:30 AM. Warblers, Orioles, Hummingbirds, Oh My! Borrow binoculars or bring your own for guided tour of the Preserve in search of colorful Spring Migrants. Cost: $7 per person. BMS Members save 10%. Register. Age: All Ages. *Advance registration required. Space is limited.*

**Monday, May 23**

**Little Tykes On Trails-** 9:30 AM - 11:00 AM. Enjoy a morning of early childhood fun with a story time, guided trail walk, and playful games to help foster the nature explorer in your child. Bring your own snack to enjoy in the Center or on the Deck. Rain or shine. Space is limited. Ages: 3-5. Cost: $7 per child with adult. BMS Members save 10%. *Advanced registration required.*

**Slow Roll Buffalo-** Meet at 6pm, ride at 6:30pm. Carl-Jeff Barber Shop, 859 Jefferson Ave.

**Tuesday, May 24**

**"IMAGINE Lifelong Learning Lecture Series"**-12:30 P.M. – 1:00 P.M. schedule No registration needed.

**Wednesday, May 25**

**Science in the Pub-** 6:00 pm EST - Climate Change Education Panel
List of panelists coming soon!

**Food Policy Council Meeting**-4 to 6pm. Open to public. Please email FPC@erie.gov for virtual meeting information. If you have an item you would like to discuss, please email FPC@erie.gov with your name, phone number, and a general summary of the topic you'd like to bring forth for consideration.

**Wednesday Woods Walk**-9:00 AM - 11:00 AM at Woodlawn Beach State Park. The spring season is in full swing! Enjoy a scenic walk through Woodlawn Beach to discover the sights and sounds of the season of new beginnings. For information and registration call (716) 549-1050.

**Buffalo Harbor Bike Tour-** 01:00 PM - 03:00 PM at Buffalo Harbor State Park. Celebrate Buffalo's waterfront as we bike along the outer harbor, exploring several pocket parks and green spaces along the way. For Information and registration call (716) 549-1050.

**Quarterly Public Meetings for West Valley-** DOE and NYSERDA will host the Quarterly Public Meeting. Visual Calendar of CTF & QPM Meetings

**Thursday, May 26**

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

**Scinight: Orienteering at Sunset**-7:00 PM - 8:30 PM. Bring a friend and learn the basics of orienteering with compass and map! We'll start with a workshop and refreshments indoors and then venture onto the trails for a fun scavenger hunt using your new skills! Cost: $15 per person. BMS Members save 10%. Age: 18+. *Advance registration required. Space is limited.*

**Friday, May 27**

**Camping 101: Sprague Brook Park**-6:30 PM. Have you ever wanted to go out camping but didn't know what you were doing or how to learn? Come join Ranger Greg at Sprague Brook Park to learn the basics to start your outdoor adventure; how to set up a tent, starting a fire, what gear you may need for your trip, camp cooking, etiquette, and more!!! Register for Camping 101 - Sprague Brook Park

**Buffalo Marathon Pedal Party**-7pm. OSB Ciderworks 517 Main Street, Buffalo, NY. Our sixth annual Buffalo Marathon Pedal Party, a free and inclusive community bike ride on the Friday night before the big run! In honor of the half-marathon distance, this ride is 13.1 miles, guided by Slow Roll Squad and including parts of the marathon route closing by riding under the finish line arch, starting and ending at OSB Ciderworks on Main Street as part of the Buffalo Marathon's Friday night festivities. Buffalo Marathon's vision is to promote interest in marathoning including the organization and conducting of marathon events which would be of competitive nature: to give and promote entertainment, lectures, social affairs, award ceremonies, exhibitions, races and fun runs; to promote participation in civic events and issue general information bulletins relating to said activities. Learn more including many other events around marathon weekend at www.buffalomarathon.com. Stay tuned for news about our route, partners and afterparty!

**Cornell Cooperative Extension of Erie County Master Gardener Program Plant Sale-** First Presbyterian Church of Buffalo, One Symphony Circle, Buffalo. Hours will be 8:30 am to 3 pm Friday. Sale includes sun and shade perennials, natives, herbs, annuals, shrubs, and vegetables from the gardens of Master Gardener volunteers, as well as plants donated from area horticultural businesses: annuals, hanging baskets, and houseplants. There will also be a variety of garden treasures. Master Gardener volunteers will be available to share education on selecting and growing plants. For more info, contact the CCE Erie Master Gardener Program at (716) 652-5400, ext. 202 or mgerie@cornell.edu.

**Niagara Falls Exploration**-2:00 PM - 03:30 PM at Niagara Falls State Park. Come out and enjoy the unofficial start to Summer with friends and family! With warmer weather and spring in full swing, we will pick out the flora and fauna that makes this park so special - all while taking in the beautiful area. For Information and registration call (716) 282-5154.

**Saturday, May 28**

**Trail Steward Saturday**-10:30am. Volunteer to help keep Reinstein Woods' trails healthy and clean! We'll remove invasive plants, pick up trash, and do whatever else is needed. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Trails and Tails**-10:00 AM - 11:30 AM at Artpark State Park (Earl W. Brydges). Accompanied by your furry friend, explore the trails in Artpark State Park. We will enjoy a brief look into history, views of the swirling Niagara River, and welcome the unofficial start of Summer! For Information and registration call (716) 282-5154.

**Cornell Cooperative Extension of Erie County Master Gardener Program Plant Sale-** First Presbyterian Church of Buffalo, One Symphony Circle, Buffalo. Hours will be 8:30 am to 2 pm. Sale includes sun and shade perennials, natives, herbs, annuals, shrubs, and vegetables from the gardens of Master Gardener volunteers, as well as plants donated from area horticultural businesses: annuals, hanging baskets, and houseplants. Master Gardener volunteers will be available throughout the sale to share education on selecting and growing plants. For more information, contact the CCE Erie Master Gardener Program at (716) 652-5400, ext. 202 or mgerie@cornell.edu.

**Breeding and Migrating Birds of the College Lodge Forest-** 9:00 AM to 11:00 AM at College Lodge Forest. To date, over 150 species of birds have been recorded in the unique variety of habitats on this property. The forest's position on the Portage Escarpment above the Lake Erie Plain places it in an important migration corridor, and many of the species that nest in the forest winter in the American Neotropics. In an average year, these long-distance travelers include six species of flycatchers, a dozen species of warblers, several vireos and thrushes, and other beauties like Indigo Bunting and Scarlet Tanager. Join seasoned birder Terry Mosher and his colleague Jonathan Townsend on a walk through this remarkable forest. You will listen for some beautiful birdsong and (with good luck) spot several of the property's most interesting birds. Some late-spring wildflowers and a few early-season butterflies should round out the trip's pleasures. If you've never been to the College Lodge Forest, this is a perfect opportunity to see it. Your guides: Dr. Terry Mosher and Jonathan Townsend. Register

**Flowers, Bugs, and Birds, Oh My!-** 10:00 AM - 11:30 AM at Joseph Davis State Park. Join us as we traverse the trails in Joseph Davis State Park in search of things that pique our interest! Flowers, insects and birds galore - we won't be short on things to explore! For Information and registration call (716) 282-5154.

**Solar Saturdays at the Buffalo Museum of Science-** 12 to 3pm. Head to our rooftop observation deck and get a rooftop view of the Buffalo Niagara region and beyond. Weekly on Saturdays weather permitting. All Ages Included with admission/membership.

**Monday, May 30**

**Slow Roll Buffalo: Memorial Day Ride-**6:30 pm at Buffalo and Erie County Naval & Military Park 1 Naval Park Cove, Buffalo, NY.

**Climate Watch: Bluebird Surveys**-9:00 AM - 12:00 PM at Evangola State Park. Participate in data collection for the community science project Climate Watch, sponsored by the National Audubon Society. We will be conducting point count surveys through the park to help document how eastern bluebirds are responding to climate change. For information and registration call (716) 549-1050.

**Tuesday, May 31**

**"IMAGINE Lifelong Learning Lecture Series"-**12:30 P.M. – 1:00 P.M. schedule No registration needed.

## Civic Engagement and Activism:

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

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

1. **Infrastructure bill implementation:** Contact your elected officials and encourage them to spend funding on needed infrastructure with climate-friendly solutions.

2. **State energy efficiency -** Check out ACEEE's state energy efficiency scorecard. NY is # 5. Contact your state legislators and governor to let them know you support their efforts to make our state more energy efficient for a healthier environment and economy.
3. **On a Campus?** Universities and colleges must be ambitious when it comes to tackling the climate crisis. One of the most important steps is to commit to the Global Climate Letter – find out more here.
4. **Current NY Environmental Legislation**- A listing of legislation of all environmental topics with a summary and status is available at https://eany.org/our-work/bill-memos/ . Educate yourself and reach out to get support for the issues important to you.
5. Take Action to support the budget proposal for the Extended Producer Responsibility for packaging and paper products. Here is a tool kit for municipalities to advocate for this legislation, including: Fact sheet on the benefits of packaging EPR, Talking points you can use with legislators, media, and constituents and Sample resolution in support of packaging EPR.

## Tips for the Environment:

**No Mow Option-** Most cities and municipalities have some form of weed ordinance that dictates the height and sometimes even the types of plants a homeowner is allowed to grow. Unfortunately, many of these ordinances are out of touch with the modern movement towards creating yards that support wildlife in urban settings. So: **maintain a mowed buffer** (keeping a mowed edge in front of or around a natural planting of a foot or two may be all that's needed to define "lawn" from "garden" and keep you in step with local ordinances or Homeowner Association guidelines. Maintaining a tidy mowed edge also makes a busy natural planting look less overwhelming, and makes these spaces look intentional rather than neglectful).

**Egg Carton Uses**- Other than cardboard egg cartons, most are not easily recyclable. So use your cartons as a seed starter tray, for crafts as a painter's palette, storage for jewelry or thumbtacks.

**Change your Laundry Habit**- Not only do tumble dryers use energy and contribute to air pollution, but they also contribute to microfiber pollution. Both washing machines and dryers cause the release of many microfibers into the air and water. For synthetic clothes, these are a microplastics problem for the environment. Options include air drying, purchasing clothes from natural materials and washing less frequently.

## Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

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

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

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

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

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

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

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

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

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

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

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

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

**Garden Walk Buffalo** helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com.

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

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

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

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

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

**Iroquois National Wildlife Refuge**-lots of options here.

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

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

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

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

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

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

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

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

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

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

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

**Additional calendars with local events-**
http://www.citybration.com
http://www.buffalospree.com
http://www.metrowny.com/events.php
http://www.buffalo.edu/calendar
Re-Energize Buffalo Blog- http://renewnrg.blogspot.com/
http://buffalorising.com
http://rochesterenvironment.com/calendar.htm
https://boredommd.com/

**Useful Tools:**
Wildlife Rehabilitator Search- https://www.dec.ny.gov/cfmx/extapps/sls_searches/index.cfm?p=live_rehab
Tree Equity Score Tool- tree cover with social and demographic statistics
Climate Change and Birds Visualizer- examines how birds are faring across regions
Crop Condition and Soil Moisture Analytics -high-resolution data that can help plan spring planting, track damage
Climate Change Solution Simulator-En-ROADS is a policy simulator
BirdCast offers real-time migration maps showing where birds are and in which direction they're going
Personal Plastics Footprint Calculator- measure your footprint for a week or year
Climate Change Indicators in the United States
https://emagazine.com/green-jobs/ Green jobs
Ecosystem Restoration Handbook
Sustainable Gardening Library Resources
Working With Nature: A Guide to Native Plants for New York's Great Lakes Shorelines
Buffalo B-WELL Videos
http://growitsaveituseit.com/

**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/
Fix Buffalo- http://fixbuffalo.blogspot.com/
Gardening Speakers Bureau http://gardentalkbuffalo.blogspot.com/p/blog-page.html
GBNRTC-http://www.gbnrtc.org/blog/
Guide to Urban Farming- http://smallfarms.cornell.edu/resources/
Healthy Kids/Healthy Communities- http://hkhcbuffalo.blogspot.com/
Learning Sustainability Campaign- http://www.learningsustainability.com/
Natural and Working Lands-https://blogs.cornell.edu/workinglands/ Farming and Climate Change resources
Nourishing Harvest- https://www.patreon.com/anourishingharvest
Parks and Trails NY Trailfinder Site- http://www.ptny.org/trailfinder/Default.aspx
Recycle Right NY- https://recyclerightny.org/
Reuse Action-http://reuseaction.com/blog/
Rochester Environment- http://www.rochesterenvironment.com/
WNY Enviro- http://groups.yahoo.com/group/WNY-ENVIRO/
Outdoors Niagara- http://www.outdoorsniagara.com/
Environmental Tips- http://www.globalstewards.org/ecotips.htm
Buffalo Architecture and History- http://www.buffaloah.com/
Richardson-Olmsted http://www.richardson-olmsted.com/
Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- http://peaceweavers.org/
Eco-Island Nature Center- https://www.grandislandschools.org/domain/49
NY Sport Fishing- http://www.fishny.com/
Erie Canal Trailway- www.ptny.org/bikecanal
Rochester Roots-http://www.rochesterroots.org/
New York Times Green Energy & Environment-http://green.blogs.nytimes.com/
We Love Outdoors-http://www.weloveoutdoors.com/
WNY Chapter/American Chemical Society- http://wny.sites.acs.org/
Fishing Outdoors- http://www.huntfishnyoutdoors.com/events.php
Citizen Science Opportunities- listing

**County/New York State Resources**
Erie County GIS Mapping- http://gis2.erie.gov/HTML5/ErieCountyNY/
Geographic Information Gateway http://opdgig.dos.ny.gov/#/home
NY Greenways interactive map

**Green Jobs, Internships and Opportunities**
Green Jobs- http://www.greatgreencareers.com
UB Green Job list- http://www.ub-careers.buffalo.edu/green.php
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs
Additional jobs-https://www2.erie.gov/index.php?q=job-openings-community

**Youth Summer/Holiday Camps/Home School Series**
www.aquariumofniagara.org
www.buffaloaudubon.org
www.buffalogardens.com
www.buffscience.org
www.tifft.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

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

**Find your farmer** - Erie Grown website

**Urban Farms/ Composting/ Community-Supported Agriculture/Sustainable Practices**-
Backyard Bounty-podcasts on homesteading, beekeeping etc. https://heritageacresmarket.com/backyard-bounty-podcast/
Becker Farms- http://www.beckerfarms.com/csa
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/
Free Fallen Fruit Rescue-https://www.facebook.com/freefallenfruitrescue
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/
Green Heron Growers- http://www.greenherongrowers.com/
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
Rust Belt Harvest- http://rustbeltharvest.org/
Sinemus Farms- http://www.sinemusfarms.com/
Singer Farms Naturals-www.singerfarmnaturals.com
Teacup Farm- http://www.teacupfarm.com/
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
Utley Acres- http://utleyacres.com/
Westside Tilth Farm- http://westsidetilth.com/
Wilson Street Urban Farm- http://wilsonstreeturbanfarm.wordpress.com/
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-http://www.localharvest.org/
Local Meats- http://meatsuite.com/
NY State Fruit and Vegetable Harvest Calendar- https://www.agriculture.ny.gov/HarvestCalendar.html
WNY Food Hub for Farmers-https://www.edenvalleygrowers.com/wny-foodhub
Erie County Grown- www.erie.gov/eriegrown

**Local Businesses with Classes and Workshops**
Badding Brothers-https://baddingbrosfarm.com/index.html
Happy Shack Oils and More-http://happyshackoils.com/
Lockwood's Greenhouses-https://weknowplants.com/
Masterson's Nursery-https://mastersons.net/
Sweet Flag Herbs-http://sweetflagherbs.com/

**Local Tourism promoting Sustainability**
Buffalo Bites Food Tours- http://www.buffalobitesfoodtours.com/
Buffalo Tours- http://www.preservationbuffaloniagara.org/buffalo-tours/
Niagara Wine Trail - http://www.niagarawinetrail.org/

**Recycling, Reuse, Disposal, Green Cleaning Options: (also check www2.erie.gov/recycling/index.php?q=node)**
Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot
Bicycles- Buffalo Blue Bicycle http://gobikebuffalo.org/
Books- www.booksforafrica.org, www.operationpaperback.org
Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.
Bras- www.donateyourbra.com, www.brarecycling.us
Building materials- www.buffaloreuse.org
Cars- http://www.donateacar.com/
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill, Hearts for the Homeless -to see what is accepted https://www.nysar3.org/page/re-clothe-ny-78.html
Clothing, formal/business- www.donatemyweddingdress.org/, www.careergear.org, www.dressforsuccess.org
Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's
Computer disks, tapes and misc. techno"trash"- http://greendisk.com/, https://www.decluttr.com
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking drop-offs
Construction Materials-Buffalo ReUse, Habitat for Humanity Restore
Drug disposal best practices and sites- http://www.dec.ny.gov/chemical/45083.html,
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info here; Other residents, check with your towns.
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.
Eyeglasses-Lions Club http://donateglasses.net/search.html for sites accepting donations
Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- http://coatsforcubs.com (used for animal rehab for young animals)
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
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.wwoof.org/
http://www.americanhiking.org/

**Education Courses, Resources or Certificates:**
Energy University Website with Schneider Electric- Courses are free
Green Classroom Professional Certificate- Online courses, info here
Solar Energy Training- http://www.solarenergy.org/training-schedule/
Coursera- www.coursera.org
Green Education Foundation
Facing the Future
Cloud Institute for Sustainable Education
Sustainable Futures Institute
Nature Generation.
The Center for Ecoliteracy
Hamline's Center for Global Environmental Education (CGEE)
The National Science Teachers Association Learning Centers
The US Partnership for Education for Sustainable Development
Basics of Organic Farming is a self-directed online course for beginning orchard and vegetable-crop farmers
*Our Farms, Our Future* podcast series

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

**Miscellaneous tools including videos and websites:**

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

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

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|---|---|
| Adirondack Mountain Club-Niagara Frontier Chapter<br>Meetings 7:30, second Tues. from Sept.-June | http://adk-nfc.org/ |
| AIA Buffalo Western NY | https://www.aiabuffalowny.org/ |
| Air and Waste Management Association | https://awmanfs.wildapricot.org/ |
| Allegany Nature Pilgrimage | http://alleganynaturepilgrimage.com/ |
| Alliance for the Great Lakes | www.greatlakes.org |
| American Planning Association-WNY Section/Upstate | www.wnyapa.com |
| American Meteorological Society-WNY Chapter | www.facebook.com/amswnychapter |
| Amherst State Park Arboretum | http://www.amherststatepark.org/ASP/Welcome.html |
| Aquarium of Niagara | www.aquariumofniagara.org |

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| Asha Sanctuary for Rescued Farm Animals | http://www.ashasanctuary.com/ |
| AWARE-Assoc. for Wild Animal Rehabilitation & Education | http://www.awarewildlife.com/ |
| Bergen Swamp Preservation Society | http://www.bergenswamp.org/ |
| Birds on the Niagara | http://www.birdsontheniagara.org/ |
| Black Rock Riverside Alliance | https://brralliance.org/ |
| Bond Lake Environmental & Beautification Committee | http://www.freewebs.com/bondlake/ |
| Braddock Bay Bird Observatory | http://braddockbaybirdobservatory.wordpress.com/ |
| Buffalo Architecture Foundation | http://www.buffaloarchitecture.org/ |
| Buffalo Astronomical Association | http://buffaloastronomy.com/ |
| Buffalo Audubon Society/Beaver Meadow Nature Center | www.buffaloaudubon.org |
| Buffalo Blueway | https://buffaloblueway.com/ |
| Buffalo Go Green | https://buffalogogreen.org/ |
| Buffalo Niagara Community Reinvestment Coalition | https://www.facebook.com/BNCRC/ |
| Buffalo Niagara Gardening | https://buffalo-niagaragardening.com/ |
| Buffalo and Erie County Botanical Gardens | www.buffalogardens.com |
| Buffalo Farm to School Program | http://buffalofarmtoschool.org/ |
| Buffalo Geological Society | www.bgsny.org |
| Buffalo Heritage Carousel | http://buffaloheritagecarousel.org/ |
| Buffalo Maritime Center | http://www.buffalomaritimecenter.org/ |
| Buffalo Museum of Science | www.sciencebuff.org/ |
| Buffalo Niagara Heritage Village | http://bnhv.org/ |
| Buffalo Niagara Waterkeeper | https://bnwaterkeeper.org/ |
| Buffalo Olmsted Parks Conservancy | www.bfloparks.org |
| Buffalo Orienteering Club | https://buffalo-orienteering.org/ |

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|---|---|
| Buffalo Ornithological Society | https://www.buffaloornithologicalsociety.org/ |
| Buffalo Recycles | http://buffalorecycles.org/ |
| Buffalo Urban Development Corp | http://budc.ecidany.com/ |
| Buffalo Zoo | www.buffalozoo.org |
| Burchfield Nature and Art Center | http://www.burchfieldnac.org/ |
| Buffalo Women of Env. Learning/Leadership (BWell) | https://bwell.community/ |
| Center for Environmental Information (Rochester) | http://ceinfo.org/ |
| Center for the Study of Art, Architecture, History and Nature | http://buffaloah.com/h/center/index.html |
| Chautauqua Watershed Conservancy | http://www.chautauquawatershed.org/ |
| Chestnut Ridge Conservancy | http://chestnutridgeconservancy.org/ |
| Citizens Campaign for the Environment | www.citizenscampaign.org |
| Citizens Coalition for Wildlife and Environment | http://citizencoalitionwe.com/ |
| Citizens for Regional Transit | www.citizenstransit.org/ |
| Clarence Bluebird Trail | https://lambluebirdtrail.org/ |
| Clean Air Coalition of Western New York | https://www.cacwny.org/ |
| Clean Communities of Western New York | http://www.ccofwny.org/ |
| Coalition of Positively Charged People | https://www.coalitionpositive.org/ |
| Community Foundation for Greater Buffalo | http://www.cfgb.org/ |
| Cooperation Buffalo | https://www.cooperationbuffalo.org/ |
| Cornell Cooperative Extension for Cattaraugus County | http://cattaraugus.cce.cornell.edu/ |
| Cornell Cooperative Extension for Chautauqua County | http://chautauqua.cce.cornell.edu |
| Cornell Cooperative Extension for Erie County | http://erie.cce.cornell.edu/ |
| Cornell Cooperative Extension for Niagara County | http://cceniagaracounty.org/ |
| Crossroads Collective | https://www.facebook.com/CrossroadsBuffalo/ |

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| Daemen University Center for Sustainability | www.daemen.edu/enviro-news |
| Department of Environmental Conservation (NY State) | www.dec.ny.gov/index.html |
| Designing to Live Sustainably | https://www.facebook.com/d2lsBuffalo/ |
| Drave's Arboretum | https://www.facebook.com/dravesarboretum/ |
| Earth Spirit Educational Services | www.earthspiritedu.org |
| EforAll | https://eforall.org/ |
| Environmental Advocates NY | www.eany.org |
| Environmental Education Associates | http://environmentaleducation.com/ |
| Environmental Protection Agency | http://www2.epa.gov/aboutepa/epa-region-2 |
| Erie Canal Harbor Development | https://esd.ny.gov/erie-canal-harbor-development-corporation-0 |
| Erie County Climate Action & Sustainability | http://www2.erie.gov/environment/sustainability |
| Erie County Conservation Society | http://eccs-club.org/ |
| Erie County Department of Environment and Planning | http://www2.erie.gov/environment/ |
| Erie County Environment Management Council | http://www2.erie.gov/environment/ |
| Erie County Farm Bureau | http://www.ecfarm.com/ |
| Erie County Federation of Sportsmen's Clubs | https://www.ecfsc.org/ |
| Erie County Parks and Recreation | http://www.erie.gov/parks |
| Erie County Soil and Water Conservation | www.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 Policy Council of Buffalo & Erie County | http://www2.erie.gov/fpc/ |

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| Foundry | http://thefoundrybuffalo.org/ |
| Friends of the Iroquois National Wildlife Refuge | http://www.finwr.org/ |
| Friends of Reinstein Woods | http://reinsteinwoods.org |
| Friends of Sinking Ponds | https://www.friendssinkingponds.org/ |
| Friends of Times Beach Nature Preserve | http://www.friendsoftimesbeachnp.org/ |
| Foothills Trail Club | www.foothillstrailclub.org |
| Gardens Buffalo Niagara | https://gardensbuffaloniagara.com/ |
| Garden Clubs of WNY | www.gardenclubsofwny.com |
| Genesee County Nature Center | http://co.genesee.ny.us/departments/parks/inc.php |
| Genesee County Village & Museum | https://www.gcv.org/ |
| Global Justice Ecology Project | http://globaljusticeecology.org/ |
| Go Bike Buffalo | http://gobikebuffalo.org/ |
| Go Buffalo Niagara | http://gobuffaloniagara.org |
| Gooseneck Hill Waterfowl Sanctuary | www.gooseneckhillwaterfowlfarm.com |
| Grassroots Gardens of Buffalo | www.grassrootsgardens.org/ |
| Greater Buffalo-Niagara Regional Transportation Council | www.gbnrtc.org/ |
| Great Lakes Center at Buffalo State College | http://greatlakescenter.buffalostate.edu/ |
| Great Lakes Research Consortium | https://www.esf.edu/glrc/ |
| Hawk Creek Wildlife Center | https://www.hawkcreek.org |
| HEART Animal Rescue and Adoption | https://www.heartforanimals.org/ |
| Heart of the City Neighborhoods, Inc. | www.hocn.org |
| Hope Rising Together | https://ltlol.com/ |
| Housing Opportunities Made Equal | https://www.homeny.org/ |
| Imagine Greater Buffalo Lifelong Learning | http://imaginelifelonglearning.com/ |

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| 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://audubon cnc.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/ |

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| New York State Ornithological Association | http://nybirds.org/index.html |
| New York State Outdoor Education Association | http://nysoea.org/ |
| New York State Parks | https://parks.ny.gov/ |
| New York State Sea Grant | http://www.seagrant.sunysb.edu/ |
| New York State Soil and Water | http://www.nys-soilandwater.org/ |
| Northeast Sustainable Agriculture Working Group | http://nesawg.org/ |
| New York Upstate Chapter of the Green Building Council | http://www.greenupstateny.org/ |
| New York Upstate Chapter, Landscape Architects | https://www.nyuasla.org/ |
| New York State Wetlands Forum | http://www.wetlandsforum.org/index.html |
| Niagara County Farm Bureau | http://www.niagaracountyfarmbureau.com/ |
| Niagara County Landfill and Recycling | http://www.rethinkyourwaste.com/ |
| Niagara County Parks | http://www.niagaracounty.com/Parks/ |
| Niagara County Soil and Water Conservation District | www.niagaraswcd.com |
| Niagara Fishing Expo | http://niagarafishingexpo.com/ |
| Niagara Frontier Botanical Society | Niagara Frontier Botanical Society |
| Niagara Outfitters | https://niagaraoutfitters.com/ |
| Niagara River Anglers Association | www.facebook.com/Niagara-River-Anglers-1013633888708865/ |
| Niagara River Greenway Commission | https://www.niagararivergreenway.com/ |
| Niagara University Sustainability | http://www.niagara.edu/green/ |
| Northeast Organic Farming Association of New York | http://nofany.org |
| Oakmossed Education | http://oakmossed.com |
| One Region Forward | http://www.oneregionforward.org/ |
| Open Buffalo | http://www.openbuffalo.org/ |
| Our Outer Harbor | http://www.ourouterharbor.org/ |

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| Partners for a Livable WNY | https://www.livablewny.org/ |
| Partnership for the Public Good | www.ppgbuffalo.org |
| Paths, Peaks and Paddles | www.pathspeakspaddles.com |
| Pelion Garden | https://peliongarden.org |
| Penn Dixie Paleontological and Outdoor Education Center | www.penndixie.org |
| Pfeiffer Nature Center (Portville) | www.pfeiffernaturecenter.org |
| People United for Sustainable Housing | http://www.pushbuffalo.org |
| Plant WNY | http://www.plantwny.com/ |
| Pollinator Conservation Association | http://www.pollinatorconservationassociation.org/ |
| Preservation Buffalo Niagara | http://www.preservationbuffaloniagara.org/ |
| Primate Sanctuary | http://theprimatesanctuary.com |
| Providence Farm Collective | http://providencefarmcollective.org/ |
| PUSH Blue | https://www.facebook.com/PUSHBlueWNY/ |
| Regional Councils NYS | http://regionalcouncils.ny.gov |
| Reinstein Woods Nature Preserve | www.dec.ny.gov/education/1837.html |
| Restore our Community Coalition | http://roccbuffalo.org/ |
| Retree Western New York | www.re-treewny.org |
| ReUse Action | http://reuseaction.com/ |
| Rise Up for Climate Justice | https://www.facebook.com/riseupforclimatejustice/ |
| Rochester Environmental Groups | http://rochesterenvironment.com/ |
| 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/ |

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| Sierra Club (Niagara Group of Atlantic Chapter) | http://niagarasierraclub.com/ |
| Slow Roll Buffalo | https://www.facebook.com/groups/slowrollbuffalo/ |
| South Buffalo Alive | www.facebook.com/South-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 | https://www.facebook.com/TonawandaCreek/ |
| Tonawanda Tomorrow | http://tonawandatomorrow.org/ |
| Tuscarora Environmental Task Force | http://www.tuscaroraenvironment.com |
| 21st Century Park on the Outer Harbor | www.facebook.com/21stCenturyParkOnTheOuterHarbor/ |
| UB Engineers for a Sustainable World | http://www.eswub.com/ |
| UB Environmental Network | https://www.facebook.com/UBEnvironmentalNetwork/ |
| UB Office of Sustainability | http://www.buffalo.edu/sustainability.html |
| UB Regional Institute | http://regional-institute.buffalo.edu/ |
| Urban Land Institute | http://newyork.uli.org |
| Urban Roots | www.urbanroots.org/ |
| US Army Corps of Engineers-Buffalo District | http://www.lrb.usace.army.mil/ |
| US Coast Guard-Boating Safety | http://www.wnyboatsafe.org/ |
| Vision Niagara | http://visionniagara.org/ |
| Voice-Buffalo | https://voicebuffalo.org/ |
| Wellness Institute | https://creatinghealthycommunities.org/ |
| Western Chapter New York Water Environment Association | http://nywea.org/ |

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| WNY Native Plants Collaborative | https://www.wnynativeplants.org/ |
| Western New York AmeriCorps (Service Collaborative) | http://www.tscwny.org/ |
| Western New York Earth Day | http://www.wnyearthday.org/ |
| Western New York Environmental Alliance | http://www.wnyea.org |
| Western New York Family Nature Club | http://lthibault.wixsite.com/wnyfamilynatureclub |
| Western New York Herpetological Society | https://www.facebook.com/wnyherpsociety |
| Western New York Hiking Trails and resources | www.wnyhikes.com |
| Western New York Land Conservancy | https://www.wnylc.org/ |
| WNY Mountain Bike Association | http://www.wnymba.org |
| WNY Nursery and Landscape Association (PLANT WNY) | http://www.plantwny.com/ |
| WNY Partnership for Invasive Species Mgmt (PRISM) | www.wnyprism.org |
| WNY Permaculture | www.facebook.com/WNY-Permaculture-1098493876841295/ |
| WNY Raptor Center | Wnyraptor.com |
| Western New York Science Congress | http://wnysc.org/ |
| WNY Seed Library | https://www.facebook.com/wnyseedlibrary/ |
| Western New York Service Learning Coalition | https://wnyservicelearningcoalition.org |
| Western New York Soil Health Alliance | www.wnysoilhealth.com |
| WNY STEM | http://wnystem.org/ |
| Western New York Stormwater Coalition | http://www2.erie.gov/environment/ |
| Western New York Sustainable Business Roundtable | http://www.wnysustainablebusiness.org/ |
| Western New York Sustainable Energy Association | https://www.facebook.com/WNYSEA |
| WNY Peace Center Renewable Energy Task Force | http://wnypeace.org/wp/ |
| WNY Young Birders Club | https://www.wnyybc.org/events |
| West Side Ministries (716 Ministries) | http://www.westsideministries.org/ |

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| 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 | http://www.worldonyourplate.org/ |