Enviro-News

March, 2021

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

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

Articles:

Community Development Award Nominations Open

The Community Development Awards (CDAs) recognize individuals and organizations who have made significant contributions to inclusive and equitable community and economic development in 2020. This year's theme is COVID-19 Champions & Collaborators. Awardees receive a $5000 grant to support their organizations. Nominations close **March 5** and the awards will be presented at a virtual event on April 16 at 9:30am.

STEM for Everyone: Stories and Examples from Students

Are you an undergraduate or graduate student involved in research or hands-on projects? Share your work with a broad audience and sharpen your communication skills. Submit a proposal to participate in STEM for Everyone which is presented by the UB Women in STEM Cooperative (WISC) and UB Women in Science and Engineering (WiSE), to provide a platform for students to communicate the significance of their work to a general audience. Participants will benefit from mentorship and constructive feedback from a communication coach as they are preparing their video, and will be eligible to win prizes! Presentation proposals are due by **March 5, 2021.** info and submit here.

Hemlock Woolly Adelgid Invasives Survey Training

Hemlock Woolly Adelgid Survey Training will be offered virtually from 1 to 3pm on **Saturday, March 6.** Volunteers are needed for local sites, so get trained online and volunteer when you're able. The event is live but recorded webinar will be sent to all registrants after the event. The eastern hemlock (*Tsuga canadensis*) is an important tree species upon which entire ecosystems depend but they are under attack from the Hemlock Woolly Adelgid (HWA), an invasive, aphid-like insect. Early detection of emerging infestations is necessary to slow this pest's spread. This training session will teach you about hemlock woolly adelgid, how to survey for this species and how you can contribute to its early detection in WNY. Register.

EMC Environmental Excellence Awards Program

Started in 2015, this program recognizes exceptional projects carried out by municipal and non-profit organizations in Erie County that stand to have a significant and lasting positive impact on the natural environment. The awards program is designed to showcase and promote projects that can be replicated in communities across Erie County and beyond. Projects could be in Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. If you represent a municipal government or non-profit organization in Erie County that is working on a project that has environmental benefits, we invite you to nominate your project for consideration. Download the 2021 EMC Environmental Excellence Awards Application and submit by **March 8, 2021**. Please address questions to Bonnie Lawrence at bonnie.lawrence@erie.gov.

Master Gardener Education Day

The Master Gardener Education Day (MGED), organized by Cornell Cooperative Education, will be held virtually on **March 13, 2021**. MGED will begin at 9:00 AM and run until 12:45 PM via Zoom. The cost will be $35 for the public and $30 for out of county Master Gardeners and CNLP's. Registration will begin on January 1st . To register go to http://erie.cce.cornell.edu/events. Speakers include Rick Darke - Co-author with Doug Tallamy of The Living Landscape who will present "Dynamic Design and Stewardship of Living Landscapes" and Paul Zammit, professor at Niagara College in Ontario and past Director of Horticulture at the Toronto Botanical Gardens who will present "Planning and Planting for All Seasons".

DEC Annual Tree and Shrub Seedling Sale Now Open

DEC's Colonel William F. Fox Memorial Saratoga Tree Nursery kicked off its annual spring seedling sale, which is open to the public and runs until May 12. Each year, the tree nursery offers for sale dozens of low-cost, New York-grown tree and shrub species to help implement large-scale conservation plantings across the state. The tree nursery has more than 50 conifer and hardwood species available in bundles of 25 or more, plus several mixed species packets for those looking for a variety. For more information, including how to order, visit the Spring Seedling Sale webpage on DEC's website. Some species sell out early; DEC encourages the public to place orders by phone for the most up-to-date availability information. Order from Erie County by **March 12** for local pickup on April 24. Niagara County orders are due **March 5, 2021** with pickup on April 23rd from 9am to 4pm and April 24 from 9am to noon.

Great Lakes Wind Feasibility Study

The NYS Energy and Research Development Authority (NYSERDA) has been directed to conduct a study of the feasibility of developing offshore wind energy in the Great Lakes adjacent to New York State. Feasibility will consider the environmental, maritime, economic, and social issues as well as market barriers and costs of developing wind in the Great Lakes as an important step toward assessing the overall value and viability of this potential resource for helping New York achieve Climate Leadership and Community Protection Act (CLCPA) goals. NYSERDA will be conducting stakeholder outreach in March, with a webinar being held on **March 19** at 11am. To learn more and sign up to receive updates, visit NYSERDA's Great Lakes Wind Feasibility Study website.

Grant Proposals Sought for Environmental Projects to Benefit the Greater Tonawanda Community

The primary goal of the Tonawanda Community Environmental Benefits Program is to fund environmental projects that will improve the environment or public health in the Tonawanda community, geographically defined as: Town of Tonawanda, City of Tonawanda, North Tonawanda, Village of Kenmore, the southern part of the Town of Grand Island, as well as Buffalo's Riverside neighborhood. Grants from $5,000 to $250,000. **Applications due March 26, 2021.** More information: www.tonawandafund.org.

NCAT Accepting Applications for Virtual Armed to Farm Training

NCAT is offering its popular sustainable agriculture training program for military veterans, Armed to Farm, online in six sessions during April and May. Veterans who want to attend Virtual Armed to Farm can apply until **March 12, 2021**.

Messinger Woods Wildlife Rehabilitation Center Needs Volunteers

Messinger Woods runs a wildlife hospital during the "busy" wildlife season, approximately June 1st until the middle to end of September, depending upon the animals in our care and how long they need to remain in the caging at our hospital. If you are able to commit to 4 hours once a week during this time, we would love to have you join us this season. If you are a student, we realize that you must be back in school by the end of August and would not be available until our facility closes down for the season. Additionally, we have offered internship positions for college students and have worked with various colleges to provide verification of the experiences gained and hours worked. If your college offers credit hours for your internship experiences, we are happy to work with your advisors to provide the necessary verifications. https://www.messingerwoods.org/volunteer-recruitment.

Virtual Science Fair

The Western New York Regional Science and Engineering Fair (WNYRSEF) will be held virtually on **March 13-27**, 2021. Sponsored by WNY Science Congress, Inc., the event is open to students in grades 5 – 12 from five WNY counties (Erie, Niagara, Orleans, Genesee, and Wyoming). Students at the WNYRSEF demonstrate their scientific talents and compete for medals, monetary awards, and advancement to state and international fairs. Judges are WNY scientists and engineers from many fields of science. Info at http://wnysc.org/about/.

Free Seedlings Available for Youth Education through School Seedling Program

Applications are now being accepted for the tree nursery's School Seedling Program. From now until March 31, schools and youth education organizations across New York may apply to receive up to 50 free tree or shrub seedlings to plant with students. The program is an excellent tool for educators to use in meeting Next Generation Science Standards. It provides a hands-on opportunity for students to learn about natural systems, and while planting and caring for seedlings, students learn about ecosystems and the valuable role trees play, in addition to building awareness of conservation issues. All schools (public, private, nursery, elementary, secondary, vocational, college, and university) and youth education-based organizations are eligible to apply, provided trees are planted within New York State.

2021 Buffer in a Bag Program Now Open

DEC's Buffer in a Bag program provides organizations and private landowners with free tree and shrub seedlings to help establish or improve a stream buffer on their property. Each buffer in a bag includes several different native species and must be planted alongside a stream, river, or lake. Plantings alongside waterbodies help support wildlife and improve water quality.This year each recipient will receive 25 bare-root, native tree and shrub seedlings, including red oak, ninebark, winterberry, silky dogwood, and witch hazel. Supplies are limited so be sure to sign up today by visiting our Buffer in a Bag webpage!

DEC Releases Proposed Regulation to Prohibit Pesticides Containing Chlorpyrifos

The DEC has announced a proposed regulation to prohibit the sale, distribution, possession, and use of pesticide products containing the active ingredient chlorpyrifos. Furthermore, on December 31, 2020, the New York State pesticide registrations were cancelled for 29 pesticide products containing chlorpyrifos. These products can no longer be sold, offered for sale, distributed, or used in New York State. An additional 15 chlorpyrifos pesticide products, that allow for applications to apple tree trunks, remain registered for sale, offer for sale, use, and distribution in the state until July 31, 2021. DEC actions related to chlorpyrifos also include efforts to promote the removal of chlorpyrifos products from New York State. DEC will accept written public comments on the proposed regulation through **April 5, 2021**.

17th Annual Symposium on Energy in the 21st Century

The annual Symposium on Energy in the 21st Century will continue this year, but virtually on **April 16, 2021**. Speakers will present on zero emission transportation, initiatives at the local, state, national and global level, social energy equity and inclusion of solar in the grid. REGISTER HERE NOW.

Proposed Food Donation and Food Scraps Recycling Law: Now Open for Public Comment

DEC filed a Notice of Proposed Rulemaking with the Department of State to add a new 6 NYCRR Part 350. The proposed regulations will implement the requirements outlined in the NYS Food Donation and Food Scraps Recycling Law enacted in 2019. The law takes effect on January 1, 2022 and requires large generators of food scraps to donate excess edible food and recycle all remaining food scraps if they are located within 25 miles of an organics recycler. **Written public comments will be accepted by the NYSDEC through April 27, 2021.** Persons wishing to comment on the proposed regulations can make a statement at one of two public comment hearing webinars. The first session will begin at 1:00 p.m. on **Wednesday, April 7, 2021**. The second session will begin at 6:00 p.m. on **Wednesday, April 7, 2021**. Learn more.

Join the Erie County SPCA for the VIRTUAL Wildlife Baby Shower!

Baby season is coming! Over the next few months, the SPCA's Wildlife Department will see an influx of injured and orphaned baby wild animals! Help us prepare by purchasing an item off our registry or making a donation to help us fill our incubator! Ways to help here. We want all of our babies to thrive. Your gifts will help us provide the care they need to make this possible! Check out some of the thousands of patients we treat each year, here!

Bike Buffalo Niagara Regional Master Plan Adopted

The Greater Buffalo Regional Transportation Council adopted the Bike Buffalo Niagara Regional Master Plan. The plan is intended to support bicycling as a safe, comfortable, and healthy form of transportation, recreation, and physical activity throughout the region. Check out their mapping tool for an easy review of proposed bike infrastructure.

Telling Difficult Stories and Volunteer Recruitment and Retention

Attention museum and historic site professionals! We are hosting five, two-hour virtual workshops free of charge for staff and volunteers at historic sites and museums. The **International Coalition of Sites of Conscience** will be conducting the workshops on these critical topics. Each session has capacity for 20 participants. Email Andy Kitzmann to register and for more info. Webinars will be **March 8-March 12**.

WNY Shares Riverline Early Concept Designs

The Western New York Land Conservancy is fundraising for the Riverline, the proposed nature trail and greenway in downtown Buffalo. Early concept designs were recently shared at a presentation and you can view the recording here. For more info on the project, visit theriverline.com.

New York State Greenway Trails Plan and Map

New York State is developing a statewide greenway plan. Explore existing, proposed, and planned multi-use paths throughout the state with their interactive map.

Volunteer Opportunities with Buffalo Niagara Waterkeeper

Buffalo Niagara Waterkeeper will be seeking volunteers for several projects beginning in March. Opportunities vary in their time commitment and training. Check their site for full descriptions. Positions include: Water Reporter (take pictures on a smart phone or tablet of waterway conditions and upload them into the Water Reporter App), Nurdle Patrol Volunteer (sample for nurdles or small plastic pellets in waterways), Nutrient Sampling Volunteer (sample and report on algal blooms in assigned waterways) and Baseline Water Chemistry Volunteer (group sampling with equipment and required training). Volunteer signup for the Riverwatch Citizen Science Program will open in March. Sign up for updates at https://bnwaterkeeper.salsalabs.org/Riverwatch2021Interest

Save the Date for the Spring Sweep in the Great Lakes Cleanup

The Spring Sweep is fast approaching, and this year Buffalo Niagara Waterkeeper is leading a regional cleanup across the Great Lakes! All of our local sites will be included, and registration will work the same as in years past. Consider becoming a Water Warrior to help us raise funds in addition to volunteering. New York is a Great Lakes State and we are all guardians of this globally important fresh water supply. Check here for info and registration.

Watershed 101 for Local Towns

Buffalo Niagara Waterkeeper created two educational videos for the Lake Erie Watershed Protection Alliance (LEWPA). The *Watershed 101* videos (approximately 20 min each) were designed with supervisors and mayors in mind. They give an overview of watershed principles suitable for anyone in municipal or regional government. These videos provide basic information about what a watershed is, how our actions affect our watershed, and what we can do to protect the health of our watershed. There's also information about local entities that provide related assistance.

Clean Energy Communities Program

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.

"Kiss the Ground": New Film Looking at Soil as a Climate Change Solution

A cure for climate change starts with a simple solution right under our feet. "Kiss The Ground" is now streaming on Netflix, and an exclusive Live Q&A with Gisele Bündchen, Woody Harrelson and Ian Somerhalder, plus the filmmakers, farmers and activists behind the regenerative movement, is right here.

2020 Erie County Household Hazardous Waste Dropoff Vouchers

Future Household Hazardous Waste Collection events will be posted at erie.gov/recycling. A limited voucher program for residents to use to dispose of your HHW at your convenience is now available. Erie County has contracted with Hazman to provide vouchers that allow residents to bring up to 50 pounds of HHW to Hazman at no cost to you. The voucher program will also require a reservation which you can make via the Hazman website or the HHW hotline. Visit for info.

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.

Help Prevent Rabbit Hemorrhagic Disease from Harming New York's Rabbits and Hares

Rabbit Hemorrhagic Disease (RHD) is a fatal virus that affects rabbits and hares. A new strain, RHDV2, identified in 2010 has recently jumped to wild rabbits and hares in the southwestern U.S., where it spread to six states within four months. The virus can infect wild rabbits and hares, in addition to domestic rabbits. RHDV2 is extremely hardy, easily transmitted, and highly lethal to rabbits and hares. It does not infect humans or other animals like dogs or cats. RHDV2 spreads easily through direct contact between rabbits or contact with contaminated environments or objects.
The most likely potential routes of introduction to New York are through transported domestic rabbits, internationally imported rabbit products, or people who travel to outbreak areas in the southwest. Read the RHDV2 factsheet (PDF) to learn more about how it spreads, ways to prevent it, and what you can do to help.

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. The energy study 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.

Paint Product Stewardship to Begin in 2021

New York Paint Stewardship Act recently became the fifth product stewardship program established in NYS, after more than five years of persistent education and advocacy. In 2019, NYPSC worked in tandem with PSI, the American Coatings Association (ACA), and Citizens Campaign for the Environment (CCE) to lead a coalition of 43 local governments, municipal and industry associations, and other environmental groups urging the passage of paint stewardship legislation. The program, which will be managed by industry-run nonprofit PaintCare, is expected to launch in early 2021 and will offer hundreds of conveniently located drop-off locations throughout the state.

Climate Pledge Friendly: Amazon Helps Customers Identify Sustainable Products

The Green Electronics Council (GEC) is participating in Amazon's Climate Pledge Friendly, a new program to help make it easy for customers to discover and shop for more sustainable products. Customers will now see the Climate Pledge Friendly label when searching for more than 45,000 products to signify that the products have one or more of 19 different sustainability certifications that help preserve the natural world. Amazon evaluated hundreds of external sustainability certifications and chose organizations that certify products that have demonstrated environmentally-related sustainability benefits. GEC is proud to be one of the third-party entities offering Climate Pledge Friendly products. The selection for Climate Pledge Friendly includes grocery, household, fashion, beauty, and personal electronics products, as well as other items from a range of categories—from brands such as Burt's Bees Baby, Honest Company, and Seventh Generation, among others. For detailed information on the program qualification criteria and to start shopping for these products visit: http://www.amazon.com/ClimatePledgeFriendly or look for the Climate Pledge Friendly badge on qualifying products.

U.S. Food and Drug Administration (FDA) Creates Food Loss and Waste Animated Shorts

FDA continues its efforts to raise awareness of food loss and waste among consumers through a series of animated shorts that bring attention to actions each household can take to reduce food waste Check out these animations on the FDA website.

Online Course on Organic Farming Offered

Basics of Organic Farming is a self-directed online course for beginning orchard and vegetable-crop farmers, existing organic farmers, and farmers in transition to organic production. This course is a joint effort of the Organic Farming Research Foundation (OFRF) and others. It consists of six modules: 1) soil health; 2) weed management; 3) irrigation and water management; 4) insect pest management; 5) disease management; and 6) economics and marketing. The first two modules are online, and OFRF is asking for farmer feedback to help develop the remaining modules.

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.

Buffalo Food Waste Diversion is Available Year-Round

The City 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.

Solar-Powered Heritage Carousel

A solar-powered historic carousel had planned to open Summer 2020, but the pandemic delays have shifted the grand opening to spring 2021. The Buffalo Heritage Carousel, Inc. is nearing completion of the restoration of the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots. The Canalside building which will be its future home is currently under construction. Consider adopting one of the animals or contributing to the efforts of the project as they still need donations to meet their goals. The groundbreaking for the building occurred in October 2019 and construction will continue when allowed. For info, visit http://buffaloheritagecarousel.org/

New Continuing Education Opportunity: Nature and Human Health

Exercise is Medicine® (EIM) partner Park Rx America, in collaboration with the USDA Forest Service, recently produced a first-of-its-kind continuing education activity on nature and human health. Designed specifically for health care practitioners, the course summarizes the evidence for nature and human health and demonstrates how to incorporate nature-based interventions into daily practice. The course is FREE for anyone to watch and provides even more reasons to help your patients be active in natural surroundings. https://parkrxamerica.org/continuing-education/

The Empire State Trail is Now Open!

The Empire State Trail, the longest multi-use trail network in the nation, is officially complete and open to the public. The mega trail, a source of recreation, economic development and tourism, connects 20 regional trails to create a continuous statewide signed route. It is 75 percent off-road to provide a safe and accessible route for cyclists, hikers, runners, cross-country skiers and snow-shoers. Now, all New Yorkers and visitors can experience New York's natural beauty, varied landscapes and historic heritage. To learn more about the trail and the projects undertaken over the last four years, read the press release announcing the trail's completion.

Living with Wildlife-Webinar Presentation by the Cary Institute

Explore New York State wildlife, their ecological roles, and the threats they face in a recorded webinar by the Cary Institute. This session's topics include: techniques to enhance wildlife populations, cost-sharing opportunities with the USDA's Natural Resources Conservation Service, best practices to prevent wildlife damage. View it here.

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. Once you receive your test results, we recommend that you inform your local water department and learn what options are available to help replace lead pipes. Check this factsheet to learn how to protect your household.

Detection Dogs Project Underway

In a collaborative project to try to monitor spotted lanternfly (SLF) spreading across the region, detection dogs are being trained and tested. In a survey trial run in a vineyard and adjacent natural area, the two dogs went right to work to sniff out the SLF egg masses sometimes faster than their human partners could record. The SLF tend to lay their eggs in hidden places or on the undersides of objects, rather than in open areas and the dogs demonstrated that they can find them when they aren't easily observed by humans. Learn more about the project and view more pictures here >>

Guide to Talking about Climate Change with Kids

"Beginning the Climate Conversation: A Family's Guide" will help you talk to your kids about the climate crisis by providing tips on how to start the conversation, deciding on age-specific information and moving the conversation from dangers to solutions. Download the free guide at link.

Beekeeper Alert: Spotted Lanternfly can be Transported on Beekeeping Equipment

Spotted lanternfly (SLF) egg masses can be laid on hive boxes, lids, bottom boards, stands, pallets, etc. Beekeepers must check equipment, vehicles, and trailers for SLF prior to moving the equipment and transporting new colonies. If you find SLF individuals of any stage in your apiary or equipment, and you are not inside of the quarantine zone, it is very important that you report it here. In addition to the quarantine policies, lanternflies may impact bees in other ways. Part of the management and efforts to control the spread of this pest include the application of the systemic insecticide **dinotefuran** to trees infested with SLFs. These insecticide applications may directly or indirectly impact the health of honeybee colonies and other pollinators who may be directly collecting pollen and nectar from flowers of trees that have been sprayed with insecticides targeting SLF. Indirectly, honey bees may be using the honeydew—the sap that flows when planthoppers feed on plants—as a food source. Research groups at Penn State are investigating the direct and indirect effects of SLF control measures on bee health. If you'd like to brush up on your spotted lanternfly identification, you can visit the NYS Integrated Pest Management site devoted to SLF.

DEC Releases New York State Forest Action Plan

DEC's Division of Lands and Forests has released the 2020 New York State Forest Action Plan. This document is revised every 10 years and provides long-term strategies for addressing the challenges faced by forests today. The 2020 plan is the result of extensive collaboration with stakeholders and public involvement and outlines the State's path over the next 10 years for keeping New York forests healthy, improving their benefits and protecting them.

New Girl Scout Patches about Wildlife and Biodiversity

The Center for Biological Diversity is partnering with the Girl Scouts of Western New York to offer two new patches that will allow girls to explore local wildlife, threats to biodiversity and actions they can take to protect the wild. The Healthy People, Healthy Planet patch will be offered this winter and the Conscious Consumer patch will launch in the spring. Both programs have been adapted for virtual participation to ensure a safe, engaging experience. If you're involved with your local Girl Scouts and would like to find more info, email Sarah Baillie.

Grant to Expand Field & Fork Network's Double Up Food Bucks

Field & Fork Network has been awarded a four-year, $4.6 million federal grant through the Gus Schumacher Nutrition Incentive Program (GusNIP), by the USDA (U.S. Department of Agriculture to continue expanding the Double Up Food Bucks nutrition incentive program across New York State. Double Up Food Bucks matches SNAP (Supplemental Nutrition Incentive Program) benefits – dollar for dollar – on fresh fruit and vegetable purchases at participating farmers markets, mobile markets, small retail, and grocery locations. The GusNIP grant, to be allocated over the next four years, will allow for expansion into 45 counties across the state, as well as further development of technological advances for the program, by 2024. This will provide the resources needed to implement the Double Up program into year-round grocery sites like Lexington Co-op Markets, which just this year adopted the program as the first grocer to do so in upstate NY. To learn more about Double Up Food Bucks New York and find participating locations near you, please visit the program website at www.doubleupnys.com.

Reuse Action in Action: Source for Reusable Materials

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video here for their recent work. 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!

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

Our Farms, Our Future Podcast Series: Voices in Sustainable Agriculture

From coast to coast, a diverse community of farmers, ranchers, scientists and educators is working to shape a sustainable future for our food system. Listen to the new *Our Farms, Our Future* podcast series and join this community for intimate conversations about the state of agriculture, how we got here and where we're headed.

Northern Hardwood Conference

Save the dates **June 15-16** for an online event. Look for details at https://foreststewardsguild.org/event/northern-hardwood-conference-2021-virtual/

Bee Better Certified: A Farmer's Guide

Bee Better Certified™ is the gold standard of pollinator-focused farm certification programs. Developed by the Xerces Society, the world's largest science-based pollinator conservation organization, Bee Better Certified builds upon nearly two decades of on-farm habitat research and development. Certification is available to all producers of fruit, vegetable, and commodity crops. This brochure offers an overview of the program, certification standards, and the certification process. If you would like further information, please see beebettercertified.org.

Organic Resource Locator Tool Available

The ORL is an interactive web-based mapping tool that is used to connect food waste generators, i.e. restaurants and grocery stores with those who can beneficially use the wasted material such as composters and anaerobic digesters. The update includes a data refresh, expanded business categories and improved estimation methods for waste generation rates. View the tool here.

Introducing the Drinking Water Source Protection Program Newsletter

As part of New York's Drinking Water Source Protection Program (DWSP2), DEC is launching a monthly e-newsletter to provide information about a variety of subjects related to protecting New York's drinking water sources. Newsletter topics will include DWSP2 program updates, resources available, potential funding sources, implementation projects, and more. Sign up for the DWSP2 newsletter to stay informed on this topic.

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.

Personal Plastics Calculator

Environmental footprint calculators have been used for a number of years as a measure of personal impact. Now there is a calculator that allows you to assess your plastic usage in a week or year. While we may not have substitutes for all of the items, the first step in reduction is awareness. Check out the calculator at plastic footprint.

The Promise of Biomimicry: Resilient Design in a Climate Impacted World

The Biomimicry Institute recently released this new film that introduces biomimicry as a way of living for everyday people and as a pathway for design inspired by nature. Co-founder Janine Benyus walks us through the emerging discipline that takes wisdom from the natural world to transform it into human design. Up-and-coming companies share their vision and inspiration, and viewers are poised to ask how nature would solve a problem.

Pollinators Under Pressure

This film produced by Tree Media looks at the plight of pollinators around the world and the actions we can all take to ensure their survival, and that of humans and ecosystems everywhere. Narrated by actor and environmental activist Leonardo DiCaprio, this short film features expert voices and diverse points of view from representatives of federal agencies, NGOs, and youth who are working in communities to help residents understand the impact of everyday actions on pollinators and their habitats.

Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action

Health professionals have an important role as trusted messengers to engage their patients, peers, community, and policymakers on equitable climate solutions. Climate for Health's latest guide, *Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action*, provides you with guidance and tools to reduce energy use, to build resilient clinics and health departments, and advocate for climate solutions that prioritize health and equity.

Erie County Launches Farmer-Customer Website

With concern over reducing agricultural waste, Erie County is launching Erie Grown, which will help residents get in touch with local farms to buy products. The website will have an interactive map and will also show farmers markets, U-pick farms, nurseries, wineries and others. Farmers can get added to the map by visiting www.erie.gov/enrolleriegrown. The site is www.erie.gov/eriegrown.

Citizen Science Project Lets You Fight Deforestation from your Couch

Looking for a hands-on way to contribute to conservation? SAS, a systems analysis company, teamed up with the International Institute for Applied Systems Analysis (IIASA) to build an artificial intelligence model that can recognize signs of deforestation and they need citizen scientists to help them do so. In order to "train" the AI to recognize signs of deforestation in satellite images, the program is using dedicated volunteers to sort through images taken from space and look for clues. Citizen scientists who want to participate simply go to the program website and scan images for signs of human activity like cars, roads, or farm plots. This helps the AI learn where deforestation is being caused by human activity. If you're looking for a tangible way to contribute to conservation, we urge you to visit the website today and take part in meaningful citizen science!

Drones Made from Pineapple Leaf Fibers

Researchers in Malaysia have found a way to turn fiber from pineapple leaves into material sturdy enough to make drone frames. According to the designer, drones built with the material had a higher strength-to-weight ratio than frames made with synthetic fibers and are cheaper and lighter. Read more.

Save and Share Seeds for Conservation

When you save, grow, and share rare seeds you are helping to build a more secure food future. Visit https://www.globalseednetwork.org/ to learn to successfully collect, save, and store seeds. You can preserve plant diversity and protect our public food system from corporate consolidation by saving, posting, and sharing seeds with a global community of farmers and gardeners.

Water Quality Improvements and Resilience in the Great Lakes: A Toolkit

A new toolkit presents traditional and newly emerging funding and financing options for green infrastructure to reduce stormwater impacts. Funded by the Great Lakes Protection Fund, Resilient Infrastructure Sustainable Communities (RISC) is a network of public and private sector professionals focused on water related climate resiliency initiatives, including scaling up green stormwater infrastructure across the Great Lakes region. View the toolkit here

Geocaching: Have Fun and Make a Difference

If you don't know anything about geocaching, it's a treasure-hunting game that uses GPS-enabled devices to find caches other players have hidden. Caches could be a small container, like a film canister; as large as a trash can; or something tricky, like a fake rock with a hidden compartment. Inside each cache, there's a logbook so players can log their finds and often choose some small, fun thing to take away. However, players are expected to leave something of equal or greater value, so the next seeker isn't disappointed.

To celebrate the 20th anniversary of geocaching, players will be doing something different this year by logging a locationless cache that in some way improves the environment. To participate, Geocaching HQ asks people to do something like clean up a walking path, plant trees or help a community group remove invasive species in a park. Players need to log at least one photo of themselves or a personal item with the results of the outdoor improvement and say where the activity took place. More images and stellar storytelling are encouraged. The locationless cache initiative is available for logging now through December 31, 2021. Players will earn the Locationless Cache icon plus a special souvenir on their Geocaching profiles.

Online Birding Tools: Learn more about our Feathered Friends

BirdCast offers real-time migration maps showing where birds are and in which direction they're going. Designed by scientists at the Cornell Lab of Ornithology, the site's forecasts are based on 23 years of radar observations combined with weather forecasts. eBird shares a citizen science project that claims to have more than 100 million bird sightings contributed each year by members around the world. You can use the site to track specific species or discover birds and hotspots near you. While you might need to wait until next year to use it, Hummingbird Central features an interactive migration map that includes first sighting data from citizen scientist contributors throughout the US and parts of Canada. In addition to maps, the site shares lots of hummingbird information about these fascinating fliers, such as the fact that a hummingbird's heart beats up to 1,260 times a minute.

DEC Releases 2018-2020 Report on Restoration and Protection of New York's Great Lakes

DEC recently released the 2018-2020 progress report on the restoration and protection of New York's Great Lakes resources. The biennial report highlights significant achievements, including: restoring habitats and recreational uses for Environmental Justice communities within the Rochester Embayment and Buffalo River Areas of Concern; adapting to storms and flooding by building back smarter and enhancing the resilience of Great Lakes coastal communities; improving and protecting critical water resources in waterways that drain to Lake Erie, Lake Ontario, and the St. Lawrence River to ensure waters are swimmable, drinkable, and fishable; and securing $19 million in federal Great Lakes Restoration Initiative (GLRI) funding for 117 projects, complementing the State's initiatives and commitment to restoring the shorelines of New York's Great Lakes. In the coming year, DEC's Great Lakes Program will update the Great Lakes Action Agenda for the next 10 years. DEC encourages interested individuals and organizations to get involved in regional work groups and share your ideas and priorities for protecting, restoring, and enhancing our Great Lakes lands and waters.

Innovative Design: Filter Air While you Ride

A student at a London university has created a bicycle wheel with pollution filters that uses movement to actively purify the air. The wheel is named "ROLLOE" for roll off emissions. Using only pedal power, it can take the most polluted roadways and produce filtered air through preliminary activated carbon and HEPA filters. Read more on how it works.

Climate Change Solutions Simulator

En-ROADS is a transparent, freely-available policy simulation model that provides policymakers, educators, businesses, the media, and the public with the ability to explore, for themselves, the likely consequences of energy, economic growth, land use, and other policies and uncertainties, with the goal of improving their understanding. The simulation runs on an ordinary laptop in a fraction of a second, is available online, has been carefully grounded in the best available science, and has been calibrated against a wide range of existing integrated assessment, climate and energy models. View it here.

Reduce Your School's Food Waste with New Toolkit

In celebration of Earth Day, The Center for Green schools released the *Sharing the Table: A Roadmap to Reducing and Recovering Surplus Food in Schools*, a toolkit to help school stakeholders create and implement programs to reduce and recover surplus food. Download **the toolkit today.** The creation of this Roadmap seeks to lower the barriers for school districts interested in reducing and recovering their surplus food in the hope of strengthening connections to their community and seeing a dramatic reduction of food waste.

First Home Hydrogen Battery

Australian energy company Lavo has designed a home energy storage system that doesn't conventional batteries , but opts for hydrogen as fuel. Lavo's Green Energy Storage System is technically an electrolysis unit that generates hydrogen from water, stores it, and then turns it into electricity using a fuel cell. Its 40 kilowatt-hours capacity exceeds the capacity of current battery storage for home systems and can power an average home for two days straight. It's also technically more environmentally friendly as it doesn't use as many rare earth metals. While not as efficient as lithium ion batteries, it does not use as many rare earth metals as most battery storage systems. Read more.

Five Minute Charges Electric Car Batteries

A major breakthrough in battery charging has been made with batteries capable of fully charging in five minutes. This could allow electric cars becoming as fast to charge as filling up petrol or diesel vehicles. The new lithium-ion batteries were developed by an Israeli company and manufactured in China on standard production lines. Using available charging infrastructure, StoreDot is aiming to deliver 100 miles of charge to a car battery in five minutes in 2025. Their battery replaces graphite with semiconductor nanoparticles into which ions can pass more quickly and easily. These nanoparticles are currently based on germanium, which is water soluble and easier to handle in manufacturing. They hope to use silicon, which is much cheaper, and StoreDot expects these prototypes later this year. Read more.

Climate Change and Birds

Audubon has created a Birds and Climate Visualizer that actually shows how birds are faring and the impact of climate change in specific regions across the country. For example, the Rusty Blackbird, much like the little blackbird in A Kindness Remembered, is now vulnerable to climate change. But climate change not only threatens birds, it impacts our entire biosphere. Calling on elected officials to make decisions and pass laws that will help slow down climate change is one way to improve the ecosystems for birds and humans alike, but so are celebration and education.

Spice Up Solar Panels for More Energy

Solar cells treated with capsaicin, the chemical producing heat in chili peppers, are more efficient at converting solar energy. Ultra-thin solar cells made with lead-based materials can absorb light more efficiently than silicon-based solar cells, but often lose some of it to heat. When capsaicin was added to these ultra-thin perovskite solar cells during the manufacturing process, it boosted efficiency by more than 2% as capsaicin led to a greater number of free electrons available to conduct current at the solar cells' surface. This reduced energy leakage via heat. Read more.

EPA Food Opportunities Map

EPA's Excess Food Opportunities Map identifies and displays facility-specific information for over one million potential generators and recipients of excess food in the industrial, commercial and institutional sectors and also provides estimates of excess food for each generator. The map can be used to inform waste management and food recovery decisions at the local level as well as to identify potential sources of organic feedstocks, infrastructure gaps and alternatives to landfilling. The map may help businesses and organizations identify opportunities for new partnerships to help address changes in the food supply chain. Find out more about the map and this recent update here.

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.

USDA AgDiscovery Program for Middle and High Schoolers

AgDiscovery is a unique opportunity for middle and high school students to explore agricultural sciences and gain knowledge about careers in animal and plant disciplines, wildlife management, veterinary medicine, biotechnology, entomology, food safety, food production, agribusiness, forestry, and much more! Students chosen to participate in this two to four-week summer outreach program will gain experience through hands-on labs, workshops, and field trips, and will also participate in character and team-building activities among other events. Learn more about AgDiscovery on the USDA website or check out this YouTube video. Program costs are covered by USDA for all "accepted applicants." Applications are due by **March 25, 2021**, and you can find the online application portal on the USDA program webpage.

Green Apple Awards 2021

Green Apple awards this year recognize sustainability initiatives or projects that made an impact within the school community during the difficult 2020 calendar year. Efforts may have made impact through the engagement of students and their families, through direct improvements the school environment, through service to the community, or by other means. This year, registration of the project on greenapple.org is encouraged to provide more information on the project's impact but not required to receive an award. All submissions are due by **Sunday, March 7, 2021** at https://usgbc.wufoo.com/forms/green-apple-awards-2021/.

Applications Open for NYS Farm to School Institute

Farm to Institution New York State (FINYS) is pleased to announce that the application for the 2021-22 NY State Farm to School Institute is now live. The institute is a year-long professional development opportunity for food service staff, educators, administrators, and community partners in New York schools to develop and refine their Farm to School programs and to bring more New York grown food into the cafeteria and classroom. Learn more and apply.
Due by March 15.

Free Curriculum on the Underground Railroad, Great Lakes and Science

The Freedom Seekers curriculum project is a collaborative effort between several organizations and schools throughout the Great Lakes. It is part of a professional development effort for educators to increase their knowledge of the Great Lakes and environmental issues while incorporating Environmental Justice Education (EJE) approaches to K-12 teaching. These EJE approaches leverage cross-curricular connections that focus on increasing the awareness of local issues and history in the Great Lakes region. Connected to the Center for Great Lakes Literacy and its Great Lakes Literacy Principles, these lessons were designed and assembled as a collaborative effort to share the interconnections humans have with the land. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes. This free curriculum, Freedom Seekers: The Underground Railroad, Great Lakes, and Science Literacy Activities, acknowledges the enslaved Africans who had to rely on environmental science principles in their quest for life, liberty and the pursuit of happiness. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes.

Black Marine Scientists Sound Bites

Join Black in Marine Science (BIMS) Bites every week at 1pm for a 5 minute topic or view their previously recorded topics on this YouTube channel. Learn more about marine science and see the diversity of researchers in the field.

National Park Foundation's Every Kid Outdoors Initiative

This initiative provides an opportunity for fourth and fifth graders nationwide to experience federal parks, forests, and recreation areas in person throughout the school year. Families will have access to their own Every Kid Outdoors pass to provide free access to national parks as well. Good until the end of August 2021. Print out a paper voucher from the Every Kid Outdoors website. Teachers or adults who engage fourth and fifth graders through a youth-serving organization can print paper passes and find activities and lesson plans here

Teacher's and Home-Schooling Resources

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.

Short Films to Save the Ocean: Climate Change & the Ocean-Looking for creative ways to bring climate change into your classroom? Bow Seat Ocean Awareness Programs has compiled some of the best student films from our Ocean Awareness Contest archives. Created by youth from all over the world, these short films explore the many ways climate change affects ocean and human health.

Ocean Acidification-NOAA Data in the Classroom 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.

Dyson's Experiments to teach engineering- 44 experiments.

Additional resources

Contests and Awards

The Techstars Sustainability Challenge - first challenge is Sustainable Supply Chains. Apply by March 8th to be considered. The goal of this challenge is actionable impact. All finalists will be selected with the goal of implementing a proof-of-concept with one or more of our Techstars Sustainability Challenge partners. Deadline: **March 8**.

Ocean Awareness Contest- Students ages 11-18 from around the world are invited to participate in the Ocean Awareness Contest. Deadline: **June 14, 2021.**

Grant and Scholarship Opportunities

National Park Service Assistance in Community and Outdoor Recreation Grants-Project applicants may be state and local agencies, tribes, nonprofit organizations, or citizen groups. National Parks and other Federal agencies may apply in partnership with other local organizations. Application deadline: **March 1, 2021.**

2021 Call for Proposals Great Lakes Research Consortium Small Grants Program- provides seed funding for new, cooperative projects that improve our understanding of, and/or management of, New York's Great Lakes basin. Program supports collaborative projects and grant awards that can be used for basic or applied research and project planning that will lead to larger projects. Routine monitoring and one-time site-specific infrastructure projects are not appropriate topics for this RFP. Deadline: **March 1.**

NYS Community Development Block Grant Funding- NYS Homes & Community Renewal (HCR) has announced the opening of the 2020 NYS Community Development Block Grant (CDBG) Program competitive application for public infrastructure, public facility and community planning projects. Deadline: **Friday, March 5, 2021**.

EPA's Great Lakes Trash-Free Waters RFA- EPA is seeking a second round of applications under the Great Lakes Restoration Initiative (GLRI) grant program focused on keeping trash out of the Great Lakes. Approximately $5 million is available through the Trash-Free Waters Great Lakes program to fund approximately 10 large-scale projects to remove trash from Great Lakes harbors, rivermouths, and waterfronts. The minimum award is $300,000 and the maximum award is $1,000,000. State agencies, federally recognized tribes and tribal consortia, any agency or instrumentality of local governments, nonprofit organizations, interstate agencies, and colleges and universities are eligible to apply for the grants. Deadline: **March 5.**

Aquatic Nuisance Species Task Force requests proposals to build upon previous assessments and evaluate aspects of outreach campaigns (including Stop Aquatic Hitchhikers, Clean Drain Dry, and PlayCleanGo) to determine what messages and delivery strategies are most effective to achieve desired behavioral changes. Deadline: **March 10.**

Parks and Trails Partnership Grants - designed to enhance the preservation, stewardship, interpretation, maintenance and promotion of New York State parks, trails, state historic sites and public lands; increase the sustainability, effectiveness, productivity, and volunteer and fundraising capabilities of not-for-profit organizations that promote, maintain, and support New York State parks, trails, state historic sites and public lands; and promote the tourism and economic development benefits of outdoor recreation through the growth and expansion of a connected statewide network of parks, trails, greenways and public lands. Deadline: **March 11**.

Eighth District Federated Garden Clubs of New York State Scholarship announces a **$1,000 stipend** will be awarded to a graduating high school senior planning to major in horticulture, agriculture, environmental science or related field and residing in a Western New York county. Deadline: Must be postmarked by **March 15**.

Organic Transitions Program-The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) funding supports research to improve the competitiveness of organic farming and focuses on projects that provide research and technical information to farmers who are either newly adopting organic practices or transitioning producers, enabling them to better understand the economic and environmental benefits of organic production. Deadline: **March 15**.

Ryan Exline Memorial Scholarship-Jamestown Audubon Community Nature Center education staff are joined by guests and together they raise money through a day long Birdathon. The $500 scholarship raised through Birdathon is awarded to an area college-bound high school senior or college student who intends to pursue a Bachelor's degree in an environmental or related field. Application Deadline: **March 18.**

Value Added Producer Grant-This USDA program helps agricultural producers enter into value added activities related to the processing and/or marketing of bio-based, value-added products. Generating new products, creating and expanding marketing opportunities, and increasing producer income are the goals of this program. The grant program awards up to $250,000 for working capital and $75,000 for planning. Deadline: **March 22.**

Air and Waste Management Association Earth Day Grants-Deadline: **March 26, 2021.**

2021 New York Flora Association Research Grant-This award is designed to promote botanical research in the state of New York. Proposals may be submitted by NYFA members and non-member students conducting research relating to the flora of New York, especially when a substantial portion of the work occurs within the state. Awards are generally limited to $750 to support each recipient's research proposal. Proposals and supporting letters must be received by **March 31, 2021.**

YSA's Youth Service Zone grants offer organizations and schools an opportunity to work collaboratively to increase the youth volunteer rates in their community. Each zone will receive a grant of $15,000 ($5,000 to each of three collaborative leaders) to support program activities that build partnerships and capacity in order to increase youth volunteer participation rates. Applicants may work locally (city, county, school district), regionally, or statewide, and must be based in the United States. The geographic area of each proposed Zone should include at least 100,000 residents. Deadline: **March 31.**

Rural Energy for America Program-This USDA Rural Development program provides loans and grants to rural small businesses and agricultural producers for renewable energy systems and energy-efficiency improvements. Agricultural producers may also apply for equipment and system loans for agricultural production and processing. Deadline: **March 31.**

Food Safety Outreach Program- provides organizations with funding to assist and help farmers and small food businesses with both FSMA and food safety. This federal grants program that funds community-based organizations, non-governmental organizations, cooperative extension, and local, state, and tribal governments' programs focused on food safety and FSMA. Deadline: **April 1.**

eeBLUE Aquaculture Literacy Mini-Grant Opportunity- Deadline**: April 2, 2021.**

Air & Waste Management Association High School Scholarships- For current high school students to use in college. Deadline: **April 9.**

Air & Waste Management Association College Scholarships-For current college students. Deadline: **April 9.**

Northeast SARE Partnership Grant Program-This grant program funds projects conducted by researchers, educators and agricultural service providers working in direct partnership with farmers to encourage design and implementation of innovative solutions to current sustainability challenges, or to strengthen working partnerships between farmers and agricultural service providers to advance sustainable agriculture. Deadline: **April 13.**

Great Lakes Sediment and Nutrient Reduction Request for Proposals- to fund projects that reduce nutrients and sediments entering the Great Lakes. Consistent with Focus Area 3 of the Great Lakes Restoration Initiative Action Plan III (PDF), focused on reducing nutrients from three different sources: agricultural nonpoint sources, stormwater runoff, and Great Lakes shoreline or streambank erosion. Deadline: **April 16.**

Sustainable Agricultural Systems Request for Applications-The Agriculture and Food Research Initiative's Sustainable Agricultural Systems grant program will fund projects that significantly improve the supply of affordable, safe, nutritious, and accessible agricultural products, while fostering economic development and rural prosperity in America. NIFA seeks applications that take a systems approach for projects focused on the themes in the USDA Science Blueprint. Deadline: **July 1, 2021.**

DOI FWS Coastal Program - $13 million,Eligible Entities: county governments, Indian tribal governments, Indian tribal organizations, state governments, city or township governments, independent school districts, unrestricted The Coastal Program is a voluntary, community-based program that provides technical and financial assistance through cooperative agreements to coastal communities, conservation partners, and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program staff coordinates with partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation goals and priorities within these focus areas. Geographic focus areas are where the Coastal Program directs resources to conserve habitat for Federal trust species. Deadline: **Sept. 30.**

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 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 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.**

Residential Curbside Recycling Cart Grant Program Request For Proposals- to advance recycling in communities by offering financial and technical assistance to support the implementation of cartbased curbside recycling. 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**

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.**

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.**

Project Produce: Fruit and Veggie Grants for Schools-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The $2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

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).

Industrial Hemp Processing Grant Fund-New York has also allocated up to $5 million for grants for machinery and equipment required to process industrial hemp for commercialization. Grants may provide a minimum of $50,000 and a maximum of $500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

Toyota Every Day Capacity Building Grants- Up to $5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long- term sustainability of the organization. Deadlines: **April 23 and other dates later in the year**.

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**.

Niagara Falls National Heritage Area supports important projects and programs throughout the National Heritage Area with the long- term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the Niagara Falls National Heritage Area Management Plan.

World We Want Foundation is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to $5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. 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. Take the Eligibility Quiz to see if you can apply.

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.**

Disney Conservation Fund: Rapid Response Grants—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling.**

Employment and Internship Opportunities

Root Down Farm and CSA Greenhouse and High Tunnel Farm Crew Members-Clarence farm has various positions for outdoor agricultural work. Open until filled.

Facilitator of Learning, Adolescence Education Focus-Buffalo Science Museum, full-time

Director of Environmental Stewardship and Sustainability-Heart of the City Neighborhoods Buffalo, full-time.

SNAP-Ed Part-time Educator-CCE of Chautauqua County is seeking an educator for the regional Supplemental Nutrition Education Program (SNAP-Ed) to deliver nutrition education to improve healthy food and lifestyle choices among limited resource families. Bi-lingual required. Part-time position $16-$19/hour. Bachelor's degree and ability to meet travel requirements required. Experience in human services desired. Deadline: **March 15, 2021**.

Jamestown Audubon Nature Education Internship-Part-time, May through August. Lead Discovery Walks; serve as camp counselor through the summer; attend walks and classes led by educators and volunteers for professional development; assist with daily operations of the nature center (including recycling, compost, cleaning, and maintenance); assist with trail and ground work. Deadline: **March 5.**

ACNC Seasonal Invasive Species Management Assistants- work both onsite and offsite within the Chautauqua Lake Watershed to remove Water Chestnut, an aquatic invasive species. Invasive Management Team members will work with the ACNC Volunteer Coordinator to recruit volunteers and oversee all hand-pulls and treatments of Water Chestnut within the ACNC property. Additional responsibilities include properly maintaining ACNC equipment and cleaning up after hand-pulls. Assistants will also be asked to take photos of their progress, document the number of plants removed, and present an end-of-year synopsis to the Executive Director of ACNC. Deadline: **March 5**.

Invasive Species Management Assistants (3) will work closely with the WNY PRISM Terrestrial Projects Manager and partners to implement invasive species prevention, early detection, management, and habitat restoration projects within the 8-county WNY PRISM region. The selected candidates will conduct invasive species surveys and assessments, assist with priority invasive species removal and restoration projects, provide project reports and may assist with outreach events such as tabling at farmers' markets or assisting with remote events or webinars. Invasive species removal efforts will include use of both manual and chemical (herbicide) methods. This is primarily a field position and the selected candidates can expect to spend the majority of their time working outdoors in remote locations and will experience inclement weather conditions. The expected timeframe is May 10-September 24, 2021. The deadline for these positions is **Friday, March 5, 2021.**

Education and Outreach Assistant (1) will work closely with WNY PRISM staff and partners to implement and expand our education and outreach programs and will report directly to the WNY PRISM Education and Outreach Program Manager. Education efforts are essential to the success of the partnership and are integrated into nearly all aspects of WNY PRISM's work. The selected candidate will help maintain the WNY PRISM Listserv and social media accounts, prepare e-newsletters, develop invasive species educational materials, organize and lead virtual education events, maintain detailed records, and communicate with partners. In addition, the Education and Outreach Assistant will assist with invasive species management activities such as invasive species monitoring, surveys, removal and habitat restoration projects, as needed. While subject to change based on current federal, state and local COVID-19 restrictions, there may also be the opportunity to participate in small, socially distanced outreach and volunteer events that the Education and Outreach Assistant will help to organize and participate in. The expected timeframe is May 10-September 24, 2021. The deadline for these positions is **Friday, March 5, 2021**.

Cornell Cooperative Extension full-time SNAP-Ed Nutritionist- based out of the Batavia NY Cooperative Extension office. Deadline: **March 11**.

Boat Stewards/Environmental Educators (17) and Lead Stewards (2) 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. Removal of aquatic plants and animals will help to prevent the transport and spread of aquatic invasive species. Boat Stewards will also be responsible for public education and distribution of educational materials. Boat Stewards may have the opportunity to assist with invasive species removal projects. Projects may include early detection/rapid response efforts, or control projects to reduce established populations of both aquatic and terrestrial invasive species. Boat Stewards will be assigned to a single, primary launch, however there is the potential for coverage needs to require occasional travel to other launches. Stewards will receive a mandatory two-day training prior to beginning work at their assigned sites. The time frame of mid-May – early September (Memorial Day – Labor Day). The deadline to apply for these positions is **Friday, March 12, 2021.**

FoodCorps AmeriCorps Service-Teach, Grow, and Learn with FoodCorps for the 2021-2022 school year. As a FoodCorps AmeriCorps service member, you'll spend a year teaching kids about healthy food. Whether you teach virtually or in person, you'll earn a stipend, a year's worth of training and professional development resources, and a network of passionate food educators. This is a great opportunity for folks who are committed to food justice, inspired by strong local communities, and creative in the face of a challenge- like serving during a pandemic. FoodCorps is accepting applications until all service member positions are filled, but they recommend applying early. Interviews begin in April.

LISC WNY Development Officer for Real Estate - whose key responsibilities include program finance support and housing program support. Qualifications include a Bachelor's degree from an accredited college or university required; post-graduate degree is a plus, and minimum 5 years professional experience in community development, real estate, lending, finance or non-profit field. Deadline: **until filled.**

LISC Assistant Program Officer- Deadline: **until filled.**

Heart of the City Director of Environmental Stewardship and Sustainability- to lead the implementation of Phase 1 for the Green Infrastructure Workforce Development Program. Deadline: **until filled.**

New York Forest Owners Association Executive Director- This seasoned leader not only understands the key elements of sound forest management techniques for the private woodlot owner, but has proven experience translating a vision into practical applications, accessible to our membership. Above all, the executive director will be comfortable in a leadership role that demands clear communication and decisiveness. The executive director will have a contractual relationship with NYFOA, provide their own office space and equipment, follow a flexible work schedule, and commit to a minimum of 1,000 dedicated hours per year to NYFOA activities. All approved travel expenses related the job will be covered by NYFOA. Deadline: **until filled**.

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.

Housing Justice Organizing Manager- run and win campaigns for housing justice that centers the lived experiences and leadership of community members in Erie and Niagara County, with specific attention to the city of Buffalo. The Housing Justice Organizer will create and facilitate PUSH's Housing Justice Campaign Team where leaders will receive intentional leadership development, political education, skills training and practice self-governance and democratic decision-making processes. As of 2020, the Housing Justice Organizer will work on local (Tenant Power and Our City Builds), state (Upstate/Downstate Housing Alliance) and national (People's Action Homes Guarantee) housing justice campaigns and coalitions.

Senior Community Development Project Manager- work on creation of new affordable housing developments and management of community development programs The Senior PM will also partner with the Director of Planning and Community Development to focus on new projects, new business lines, and the existing pipeline. BNSC's current work includes a variety of residential and commercial projects from small residential rehabilitations, to a sustainable mixed-use workforce training center, to infill and new build development. BNSC and PUSH's current portfolio of affordable housing includes over 100 units of affordable housing on several sites, 11 units currently under construction, and approximately 53 units of supportive and affordable housing in pre-development.

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.

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.

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.

Citizen Science

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

Earth Challenge 2020

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.

Other Citizen Science Programs

Upcoming Community Activities:

****Many in-person scheduled events are still canceled or may be announced if situations improve. Updates for any new events will be posted to www.daemen.edu/enviro-news, if restrictions to events are lifted.**

Monday, March 1

Bicycle and Pedestrian Advisory Board -5:30pm streaming live on GoBike Buffalo Facebook page.

Terrestrial Invasives Working Group Meeting- 12pm. WNY PRISM is working with iMapInvasives to implement a new tool to review and rank invasive species into tiers using reported invasive species data. This tool was used to generate a list that we will use as a starting point to update our tier ranking list for the region. We are calling for a Terrestrial Working Group and an Aquatic Working Group to meet and discuss the plants and animals that have been ranked through this process. The invasive species tier ranking process provides easy reference for partners and the public to prioritize species and select appropriate management strategies. More information, along with a description of the different tiers, can be found on WNY PRISM's Priority Invasives page. If you would like to offer expertise or insight to ensure species are ranked appropriately, please contact us for the list of species under review. Please email Brittany Hernon at hernonba@buffalostate.edu if you are interested in participating.

Tuesday, March 2

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

"Sustainable Municipalities: Ecodistricts- 12:00-1:00 p.m. EST. This weekly series of five webinars is sponsored by the Sustainable States Network and other partners and hosted by the Hixon Center for Urban Ecology at Yale University. Each session will begin with an introduction by Yale faculty followed by municipal leaders presenting innovative case studies across the U.S. Register by going to this link.

Environmental Aspects of Solar Power-12 to 1:15pm webinar. As the deployment of solar power increases in the northeastern United States, questions are arising surrounding potential environmental impacts. Environmental Aspects of Solar Power will provide an overview of environmental considerations for utility-scale solar power arrays, including potential landscape, hydrologic, and water quality impacts. Register.

NOAA Webinar: That's the Seal-iest Thing, Studying Ice Seals in Alaska- 3pm webinar. Register.

Grant Street Reimagined: Community Member meetings-Are you a business owner, community group, or stakeholder for the Grant Street district? Join GObike, in partnership with State Senator Sean Ryan and Councilmember David Rivera, to discuss a new vision for Grant Street's streetscape design. 11 am: Community groups and block clubs, 3 pm: Stakeholders (involved with Grant Street but no physical presence on the street), 6 pm: Businesses and property developers. Join **Zoom Meeting**, Meeting ID: 868 526 1576, Passcode: #streets. Initiated by State Senator Sean Ryan, funded by the John R. Oishei Foundation with support from Councilmember David Rivera. Take the project survey before the **event**.

Wednesday, March 3

Missouri Prairie Foundation Webinar- 4pm CST. Free. Register at - Grow Native! Webinar: Build Your Own Bird Sanctuary, with Mitch Leachman. Zoom link will be emailed to you week of the event. Recordings will be sent to all registrants, the free webinars will be posted publicly at the MPF YouTube Channel.

GBNRTC Meeting-9:30AM, Join Zoom Meeting: By Computer:
https://us02web.zoom.us/j/82666281060?pwd=ZGwvekdJR05Ea2dJb0FHTGlVdVNUQT09
Meeting ID: 826 6628 1060, Passcode: 685713, Or By Phone: +1 (929) 205 6099

Virtual Program: Backyard Sugaring 101-10am. Discover the process of creating maple syrup from tap to bottle with limited materials in your own backyard! We'll share our tips and lessons learned from five years of DIY sugaring at home. Reinstein Woods Nature Preserve, Depew. Reinstein Woods Nature Preserve, Depew. Reinstein Woods Nature Preserve, Depew. Pre-registration required; register at www.reinsteinwoods.org/events.

Take Action Against Hemlock Woolly Adelgid (Part 2) (Adirondack Park Invasive Plant Program) –10 a.m. to 11 a.m. Participants will learn how to adopt a trailhead, carry out self-guided HWA field surveys, and collect environmental data using iMapInvasives, a free, easy-to-use, mobile mapping tool. Register in advance online. Part 1 of this webinar will occur on 2/25 from 3-4:30 pm. In order to maximize this short training, the event organizers highly recommend signing up for a free iMapInvasives account prior to the workshop. Self-guided iMap trainings are available online to walk you through the iMap process.

NY Breeding Bird Atlas Training-Virtual training for using and submitting information for the New York Breeding Bird Atlas will be offered at 7:30pm. To attend- email nybba3.central@gmail.com for the link.

Whales in the Southern Ocean-2 to 4pm free webinar. Whales are arguably the most impressive and charismatic of animals in the Southern Ocean and Antarctica. We at the South Georgia Heritage Trust (with the Friends of South Georgia Island) and the UK Antarctic Heritage Trust are delighted to present three of the world's experts in the study and conservation of whales in the Southern Ocean to discuss the history, science and current efforts to conserve these important species on our planet. Register.

Part Two of the Bird-friendly Communities PROs Training Series-4 to 6pm. Join our Bird Friendly Communities team to learn how to become a bird-friendly buildings or native plant PROfessional in your community. And increase awareness of birds and their needs by securing a local or statewide proclamation for Bird-Friendly Week, April 19-25. In this second part of our two-part interactive PROfessional training series on securing bird-friendly building or native plant proclamations in your community, we will explore the importance of storytelling in engaging decision-makers. Participants will gain valuable skills and insights from other Auduboners on how to advocate and promote their proclamation to advance the broader conservation goals of their organization. Register.

Thursday, March 4

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Genesee County Master Gardeners Garden Talk: "No Mow Yards"- noon to 12:45 p.m. via Zoom. Check out their YouTube page for previously recorded gardening programs. Manicured lawns are a staple for most front yards, but they require a great deal of money and work to keep lush and provide little to no support of a diverse ecosystem. Master Gardener Connie B will explore alternatives to the front lawn that are biodiverse, nature friendly and low maintenance. The talks are free, but registration is required. After registering, a Zoom link will be sent to your email. Register for "No Mow Yards" talk here.

EPA's Environmental Justice (EJ) and Systemic Racism Speaker Series- Noon to 1pm. The Mapping Inequality Project. This unique collaboration created a foundational resource for unprecedented research, education, organizing, and policy advocacy on redlining and current environmental challenges. The series will begin with a set of five sessions that thoroughly examines the relationship of redlining and current environmental challenges, particularly the climate crisis. It provides publicly accessible digitized versions of redlining maps for about 200 cities. This has already generated an explosion of trailblazing work in the area of EJ and systemic racism. Project co-founders Robert Nelson, University of Richmond, and LaDale Winling, Virginia Tech, will discuss the genesis, philosophy, methodology, and impact of this game changing project. Register now.

Building Habitat on Working Landscapes-1:00 PM - 2:30 PM EST, Webinar. Mace Vaughan, Xerces Pollinator Program Co-Director, will share whole-farm conservation planning approaches to enhance pollinator and other wildlife habitat on farms, ranches and working forests. Specifically, he will give an overview of key pollinator habitat elements and then discuss a variety of opportunities for incorporating habitat for pollinators and other agriculturally beneficial insects (natural enemies of crop pests) into a wide range of landscapes and conservation practices. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Virtual Program: Planting for Pollinators-10am. It's never too early to think about your summer garden! Discover how choosing the right plants can benefit wildlife while also beautifying your yard. Reinstein Woods Nature Preserve, Depew. Pre-registration required; register online at www.reinsteinwoods.org/events.

Virtual Program: Backyard Sugaring 101 -6:30pm. Discover the process of creating maple syrup from tap to bottle with limited materials in your own backyard! We'll share our tips and lessons learned from five years of DIY sugaring at home. Reinstein Woods Nature Preserve, Depew. Pre-registration required; register online at www.reinsteinwoods.org/events.

The Future of Cities- 6 to 7:15pm. Register. The city is where creativity and economy, community and culture, innovation and technology all come together to flourish. With more than half of the world's population living in cities and growing, how can we make our cities more livable, smarter, more resilient, greener, and equitable? Cities are our largest collective cultural artifacts, and their strategic reconception is crucial to our future. Join Lifetime Learning and the UVA School of Architecture's Dean Ila Berman and faculty members Tim Beatley, Shiqiao Li, Mona El Khafif and Brian Davis as they discuss the future of our cities and how post-COVID, our cities will endure.

PV Plus: Amplifying the Sustainability and Biodiversity Benefits of Solar-1 to 2pm**. RSVP now.** GreenBiz Group CEO Joel Makower is moderating a webcast presentation and conversation with Clif Bar & Company, Bank of America, and Fresh Energy.

Orchid Repotting Demonstration- 6:30-7:30pm, $10 for the public and $9 for members. Register. from the Buffalo and Erie County Botanical Gardens. Join their knowledgeable instructors online on a number of different botanical topics and discover new ideas from the comfort of home. The instructors will also share resources and tips so you can explore these new skills on your own. Demonstrations typically last about one hour with room for questions and answers.

EPA Environmental Justice and Systemic Racism Speaker Series: The Mapping Inequality Project - 12pm. The Mapping Inequality Project created a foundational resource for unprecedented research, education, organizing, and policy advocacy on redlining and current environmental challenges. It provides publicly accessible digitized versions of redlining maps for about 200 cities. This has already generated an explosion of trailblazing work in the area of environmental justice (EJ) and systemic racism. Two of its founders will discuss the genesis, philosophy, methodology, and impact of this game changing project. Register.

Teaching Climate Consequences with Climate Literacy and Energy Awareness-6pm webinar. Register.

2021 Explore Buffalo Winter Speaker Series-7pm is available for free for all Explorer Pass members at any level. To become an Explorer Pass member, please visit https://www.explorebuffalo.org/explorer-pass. Register.

Friday, March 5

What's Bugging You First Fridays: Spotted lanternfly: a new invasive pest - noon to 12:30pm, a new virtual series on practical solutions to pest problems, is being held by Cornell Cooperative Extension Chautauqua County in partnership with the New York State integrated Pest Management Program. See details and registration information here or call CCE Chautauqua at 716-664-9502.

Humpback Whale Webinar Series-1pm sponsored by NOAA. Topic: behaviors. Register for webinar.

Leadership for Sustainability: Strategies for Tackling Wicked Problems- 1:00 p.m. EST, free webinar. Planning for today's environmental and sustainability challenges requires more than expertise and technology. Effective solutions require that we engage with other people, wrestle with difficult questions, and learn how to adapt and make confident decisions despite uncertainty. Bruce Hull, a Senior Fellow at Virginia Tech, discusses how to address complex "wicked problems," by blending systems thinking approaches with leadership techniques. He will offer strategies and practices that build on the foundation of three main skills: connecting, collaborating, and adapting. Register.

Saturday, March 6

Virtual Gardening Class: Container Gardening with Patti Jablonski-Dopkin & Brad White - 2pm. Sponsored by Grassroots Gardens and Urban Roots. Space is limited and registration necessary at https://www.facebook.com/events/386195709309011/. While the workshops are free to all, this year we are suggesting a $5 donation to our partners at the Northeast Farmers of Color Land Trust with the goal of supporting their efforts towards equity in local food systems. You can donate at https://nefoclandtrust.org/reciprocity

Online Horticulture Classes - 11am-1pm, General Public - $25 per class or $125 per series, Members - $22.50 per class or $112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class. https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes

Beaver Meadow Owl Prowl -6PM to 8PM. Beaver Meadow Audubon Center Join Naturalist Tom Kerr for a nocturnal hike at Beaver Meadow in search of the Eastern Screech-owls and Barred owls that make their home at Beaver Meadow. We'll also meet Zelda, our non-releasable Screech-owl ambassador for an up close opportunity to learn about these amazing nocturnal raptors. Pre-registration is required. Ages 8 and up. $15 Non-Members/$12 BAS Members. (585) 457-3228.

Phenology Walk-10am. Visit 10 locations at Reinstein Woods to discover early signs of spring. Learn to identify trees in winter, frog calls, and bird songs along the way. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Hemlock Woolly Adelgid Survey Training- 1 to 3pm. Volunteers Needed! Get trained online and volunteer when you're able. Live Event but recorded webinar will be sent to all registrants after the event. The eastern hemlock (*Tsuga canadensis*) is a hugely important tree species upon which entire ecosystems depend. This species provides stream habitat for trout species, creates habitat for native plant and animal species, and enhances any outdoor recreation experience. Unfortunately, these majestic trees are under attack from the Hemlock Woolly Adelgid (HWA), an invasive, aphid-like insect. Slowing the spread of HWA is the most effective way to help protect forests from this invasive pest. The early detection of emerging infestations is a great way to do this, but we need help from volunteers like you! This training session will teach you about hemlock woolly adelgid, how to survey for this species and how you can contribute to its early detection in WNY. Register.

Sunday, March 7

Naturalist Skills Series (2 of 4): Interpreting Animal Signs-10:00am-2:00pm at Boston State Forest. This program will focus on local wildlife, their movements, behaviors, and the signs they leave behind. Learning to understand track patterns, find food sources, and explore animal homes, gives us a clearer picture of the activity that surrounds us outside. Snowshoes will be provided if conditions are favorable. Ages 12 and up. No exceptions. Register and info.

Monday, March 8

Aquatic Invasives Working Group-1pm. WNY PRISM is working with iMapInvasives to implement a new tool to review and rank invasive species into tiers using reported invasive species data. This tool was used to generate a list that we will use as a starting point to update our tier ranking list for the region. We are calling for a Terrestrial Working Group and an Aquatic Working Group to meet and discuss the plants and animals that have been ranked through this process. More information, along with a description of the different tiers, can be found on WNY PRISM's Priority Invasives page. If you would like to offer expertise or insight to ensure species are ranked appropriately, please contact us for the list of species under review. Please email Nicole Smeenk at smeenknm@buffalostate.edu if you are interested in participating.

Tuesday, March 9

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

"What Shapes Understory Herb Communities in the Southern Appalachian Mountains?"-7:30pm. Our virtual speaker will be Matt Candeias. Matt was a NFBS member during his undergraduate years at Buffalo State College. He is currently a PhD candidate at the University of Illinois. Link here.

Composting Indoors with Worms-6 to 7pm. Live in an apartment or home that does not have access to outdoor space? Learn how to compost indoors year-round with worms. Vermicomposting is a method of composting using earthworms, specifically red wigglers, to process fruit and vegetable scraps into a nutrient-rich compost. Participants in this online workshop will learn the importance of composting, best management practices for maintain a vermicompost bin, and how to apply the castings to indoor and outdoor plants. For more information email Josh Enderle at jse67@cornell.edu or call (607) 772-8953. Funded by the Broome County Division of Solid Waste Management. Register

"Climate Change 2021: Managing Floods, Heat, and Fires to Keep People and Nature Safe"-6:30pm webinar with Katharine Mach, Ph.D., Associate Professor, Department of Marine Ecosystems and Society, UM Rosenstiel School of Marine and Atmospheric Science. The impacts of climate change are now widespread, and societies around the world are increasingly preparing for shocks to economies, health, well-being, and beyond. Dr. Katharine Mach will present research from the climate risks and preparedness group focused on ongoing investments to safeguard societies. This work integrates understanding of the complex, cascading climate risks now occurring, from nuisance floods to disasters. It critically assesses policies and actions to support vibrant, resilient pathways into the future. Register.

Grant Street Reimagined: Virtual Public Meeting-6pm. Join GObike, in partnership with State Senator Sean Ryan and Councilmember David Rivera, to discuss a new vision for Grant Street's streetscape design. Together, we'll envision a Grant Street designed to support small businesses, ensure access for residents, and invite tourists and visitors to go for a stroll. Initiated by State Senator Sean Ryan, this project was funded by the John R. Oishei Foundation with support from Councilmember David Rivera. Link.

History of the Watercraft Stewards in the Finger Lakes from 2012 to 2020-11am. Join the Finger Lakes PRISM for their Invasive Species: How to Know, Observe and Report Webinar Series. This presentation will feature Sam Beck-Anderson, Finger Lakes Institute at Hobart and William Smith Colleges
Please register in advance.

Wednesday, March 10

Missouri Prairie Foundation Webinar- 4pm CST. Free. Register at - MPF Webinar: Notes from Underground: Ants in the Prairie, with Dr. James Trager. . Zoom link will be emailed to you the week of the event. Recordings of the programming will be sent to all registrants, the free webinars will be posted publicly at the MPF YouTube Channel.

Sierra Bainbridge, Clarkson Chair in Architecture- 6pm. We are pleased to welcome Sierra Bainbridge of MASS Design Group as the 2019-20 Clarkson Chair in Architecture. Bainbridge leads MASS Design's work on the Kayanja Center, a rural health care center in Uganda, and school projects in the DRC, Tanzania, Zambia and Rwanda. Link at http://ap.buffalo.edu/events/2021/massdesign.html

Hamburg Garden Club: "Pruning"- 10 a.m. at the VFW Post 1419, 2985 Lakeview Rd., Hamburg. Lynn Chimera, Master Gardener, will give a presentation on "Pruning." She will discuss good pruning techniques and the tools you will need. Guests are welcome. If you are interested in attending as a guest, please make your reservation at lonabutler4@gmail.com.

Using Technology to Address Food Availability-11am. The Food and Agricultural Organization of the United Nations (UN) estimated that more than 820 million people did not have enough to eat in 2019. This figure makes meeting the UN Sustainable Development Goal's target of ending hunger everywhere by 2030 a daunting task. What role can information technology play in achieving this critical objective? This webinar will discuss how technology can be used to increase food productivity in a sustainable way, ensure water availability, and improve access to food in regions facing moderate to severe food insecurity. Register.

History and Geology of the Nature Sanctuary Society of Western New York-7pm by Jacqueline Courtney Swift, President NSSWNY. A look at the history and work of one of WNY's oldest conservation organizations and the rare species, habitats and geology they preserve. Sign Up Here! We'll contact you with a Zoom link prior to each program.

What 2020 Taught Us About the Future of Green Building-2 to 3pm. The U.S. Green Building Council's (USGBC) 2020 Top 10 States for LEED showcases the expansion of green building across the U.S., with Massachusetts ranking first in the nation. Although the COVID-19 pandemic affected the building and construction industry in 2020, U.S. states still made sustainable, healthy buildings a priority. Committing to certification and adopting practices that address economic, health, social and environmental challenges will only become more important as companies prepare for what comes next. Free. Register.

Gardening by the Foot: Small Space, Big Yield-6:30 PM - 7:30 PM ET is an event being offered by Penn State Extension Master Gardeners of Monroe County. The primary focus of this event will be on the square-foot gardening method. A method of intensive gardening that gets the most yield out of small spaces. Register.

Thursday, March 11

Freedom Wall Stakeholders Meeting-4:30pm. The Michigan Street African American Heritage Corridor Commission and the East Side Garden Walk in Buffalo have partnered to host a series of stakeholders meetings to discuss the much-needed maintenance of the Freedom Wall. The Freedom Wall depicts the icons of the Black community. The public is invited to discuss ideas for improvement such as gardens and lighting. The groups will be hosting a series of stakeholders meetings to address the concerns that include exposed rebar, insufficient lighting, rampant littering and safety concerns. You can register here.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Inspiring all Geoscience Leaders Nationwide- 4 pm EST. Free, ready-to-use resources and services to inspire earth/geoscience students grounded in the science inquiry process, NGSS Science and Engineering Practices, Cross Cutting Concepts, and locally-relevant and authentic phenomena. Register by **March 9.**

2021 Explore Buffalo Winter Speaker Series-7pm is available for free for all Explorer Pass members at any level. To become an Explorer Pass member, please visit https://www.explorebuffalo.org/explorer-pass. Register.

Friday, March 12

Snowy with a Chance of Salamanders-7pm. With the return of spring, we will explore the spring pools and search under logs for spotted salamanders. This is the time of year for them to lay their eggs and a chance for you to get a rare glimpse of these secretive creatures. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Ashanté Reese Talk- 6pm. He is an assistant professor in the Department of African and African Diaspora Studies at The University of Texas at Austin. Dr. Reese will present a lecture titled *Nourishing and Sustaining Black Lives: Thinking, Writing, and Living Beyond "Access".* Sponsored by the University at Buffalo Food Systems Planning and Healthy Communities (UB Food Lab) and the Buffalo Food Equity Network (BFEN), a coalition of Black, Indigenous, and people of color (BIPOC) committed to food systems transformation in Buffalo, NY. *Zoom link coming soon http://ap.buffalo.edu/events/2021/ashantereese.html*

Humpback Whale Webinar Series-1pm sponsored by NOAA. Topic: Meet Big Mama. Register for webinar.

Saturday, March 13

Buffalo Zoo: Then and Now- 1:30-3:00. The Buffalo Zoo has gone through many changes in its 146 years. Explore how we went from being a park with 2 deer in 1875 to a conservation and education organization with over 800 animals today. Register at https://buffalozoo.org/single-experience/wild-workshops/

North Tonawanda Owl Prowl -6:30PM - 8PM at North Tonawanda Audubon Preserve Join Naturalist Tom Kerr for a nocturnal hike through the Klydell Wetlands in North Tonawanda. We'll be looking and listening for the Eastern Screech-owls that make their home in the forested wetland. Waterproof footwear is required. Meet at the corner of Raymond Ave. and Birch St. Pre-registration is required. Ages 8 and up. $15 Non-Members/$12 BAS Members. (585) 457-3228.

Virtual Gardening Class: Composting 101 with Eme Nieves and Shasti Balasundaram - 2pm. Sponsored by Grassroots Gardens and Urban Roots. Space is limited and registration necessary at https://www.facebook.com/events/386195709309011/. While the workshops are free to all, this year we are suggesting a $5 donation to our partners at the Northeast Farmers of Color Land Trust with the goal of supporting their efforts towards equity in local food systems. You can donate at https://nefoclandtrust.org/reciprocity

Online Horticulture Classes - 11am-1pm, General Public - $25 per class or $125 per series, Members - $22.50 per class or $112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class. https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes

Snow Much Fun Walk-10am. If there's any snow left, we'll do some snow activities! If not, we'll explore outdoor nature play. Either way, it will be snow much fun! For kids ages 10 and under and their caregivers. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Master Gardener Education Day- Each speaker will present one session. Rick Darke - Co-author with Doug Tallamy of The Living Landscape will present "Dynamic Design and Stewardship of Living Landscapes". Paul Zammit, professor at Niagara College in Ontario and past Director of Horticulture at the Toronto Botanical Gardens and international speaker will present "Planning and Planting for All Seasons". MGED will begin at 9:00 AM and run until 12:45 PM via Zoom. The cost will be $35 for the public and $30 for out of county Master Gardeners and CNLP's. To register go to http://erie.cce.cornell.edu/events

Mammoths on the Move by Lisa Wheeler & Kurt Cyrus- 10am. Join Ms. Catherine and your other friends as we read an earth science story together. Will there be singing? Crafts? Show-and-tell? Yes, yes, yes, and more! Can't wait to see you there. Storybook titles and authors, as well as weekly topics, can be found below if you wish to check them out from the library or order them yourself to follow along more closely at home. Sign Up Here!

Sunday, March 14

Garden Faves Exhibit- The exhibit is ongoing from March 2 through Monday, April 19 in the Arcangel Gallery at the Buffalo and Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Hours are 10 a.m. to 4 p.m. daily. The exhibit is included with admission. Carol Koziol believes that life is an ongoing, evolving puzzle and that we search for solutions. Her art parallels this life process as she sifts through colors, textures, images, and patterns. Capturing the essence of these "puzzle pieces" demands her focus, planning and simplification. Carol's creativity comes into play as she composes a wonderfully, unexpected mingling of pure, vibrant color on paper compels her to paint. Reservations are required for all visitors, including members, due to capacity limitations.

Monday, March 15

Virtual Code Club-Explore the exciting world of computer coding through our Virtual Code Club! Create your own avatar and move through fun workouts and missions while you learn to write lots of different types of code, all at your own pace. Go to app.prenda.co to get started. Simply select "New York" as your state and "Eden Library" as your club when signing up. Let's build something awesome today! Limited spaces. https://buffalolib.libcal.com/event/7416399

Tuesday, March 16

I BIRD NY-10am to noon at Evangola State Park. Our parks offer incredible birding opportunities for all ages. Join us each season as we explore a different park and learn about our local birds. ***For information & registration call (716) 549-1050.***

Toddler Time: Silly Shamrocks- 10AM to 11:30AM at Beaver Meadow Audubon Center. The word "shamrock" refers to many species of three-leafed plants, including common white clover and wood sorrel. Join us in celebrating the shamrock at Beaver Meadow with a story, themed craft and snack. If the snow has melted, we'll search for some of our own shamrocks on the lawn outside! Pre-registration is required. $10 Non-Members/$8 BAS Members. Ages 2-4. 585-457-3228.

Medicinal Lichens- 8:00pm. A lichen is a single organism, consisting of fungal tissue and algal tissue working together. They contain some substances found in medicinal mushrooms like Reishi or Maitake, some substances found in algae like spirulina or chlorella, and some substances that are only found in lichens.
Register for this webinar »

Bee City Series: Very Special(ist) Bees and the Flowers They Love-1 PM - 2 PM EST, Webinar. Join Nancy Adamson of Xerces to learn about specialist bees and how you can help document plant-pollinator connections. Many bees are pollen specialists, collecting pollen from a single species, genus, or plant family. Despite knowing many of these plant-bee connections, we do not have good images of all these specialist bees. We would love your help documenting them and other invertebrates visiting their host plants. This program will highlight where to find specialist bee information--primarily for the eastern U.S.—and bee phenology information to guide your efforts. We will also discuss how you can help document wildlife via iNaturalist.org and Bugguide.net. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Natural Capital and Biodiversity: How Business Can 'Build Back Better' and Become a Nature Advocate-12pm webinar. Sign up for free to get access to all the webinars.

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Fun Facts with Kelly: Spring Trivia -6 to 7:30pm at DeVeaux Woods State Park. Come on out to play a game of trivia - Jeopardy style! From wildflowers to buds, and everything in between, compete with friend and foe for a chance to win a small prize! ***For information & registration call (716) 282-5154.***

Natural Capital and Biodiversity: Quantifying Nature Based Solutions -12pm webinar. Sign up for free to get access to all the webinars.

Wednesday, March 17

Missouri Prairie Foundation Webinar- 4pm CST. Free. Register at - Grow Native! Webinar: 10 Easy-To-Grow Spring Edible Native Plants for Your Garden, with Nadia Navarrete-Tindall. Zoom link will be emailed to you the week of the event. Recordings of the programming will be sent to all registrants, the free webinars will be posted publicly at the MPF YouTube Channel.

Natural Capital and Biodiversity: Engage, Enable and Collaborate: How Joining Forces for Nature and Empowering Everyone is a Must-12pm webinar. Sign up for free to get access to all the webinars.

Beneficial Invertebrates in Our Soil-2:00 PM - 3:30 PM EST, Webinar. Please join Stephanie Frischie and Jennifer Hopwood of Xerces Society to learn more about the amazing life in our soils.S. Healthy, living soil and its functions are created and maintained by fungi, bacteria, plants and by invertebrate animals as diverse as annelids, springtails, and firefly larvae, among others. Soil invertebrates are fundamental to soil health and create soil structure, cycle organic matter, consume weed seeds and predate crop pests. This workshop will familiarize participants with common soil invertebrates, their ecology and roles in soil health, scouting methods, and management strategies to increase beneficial soil animal populations. Click here for more information.

Non-native Invasive Earthworms 101: From the Nightcrawler to the Jumping Worm (North American Invasive Species Management Association) – 1pm. This presentation will discuss what makes most earthworms invasive species in North America, as well as how to identify the differences between invasive worm groups and how you can participate in documenting them. Register in advance online.

Thursday, March 18

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Clean Air Coalition Annual Meeting-Let's celebrate our wins and start looking ahead at what we can accomplish in 2021. We will discuss our vision for 2021; to organize to create jobs through projects that strengthen our climate resilience, reclaim and rehabilitate toxic land, and continue to grow a base of power that places communities at the forefront of decision making. 5:30-7:00pm online and by phone via Zoom. Register online at http://bit.ly/ca2021meeting. Meeting is open to anyone who wishes to attend, however, only members of Clean Air can vote.

2021 Explore Buffalo Winter Speaker Series-7pm is available for free for all Explorer Pass members at any level. To become an Explorer Pass member, please visit https://www.explorebuffalo.org/explorer-pass. Register.

Friday, March 19

Making Buffers Work for You – 9 to 10am virtual event. There will be a discussion on the many benefits that riparian buffers have for landowners, on top of the already well-known benefit of water quality improvement. We will also discuss options for buffer design, plant selection, and how to help make a buffer work better for you or your clients. Participants will learn the many selling points of converting their streamside cropland. Register for link.

Great Lakes Wind Feasibility Study Outreach Meeting-11am. The NYS Energy and Research Development Authority (NYSERDA) has been directed by the New York State Public Service Commission to conduct a study of the feasibility of developing offshore wind energy in the Great Lakes adjacent to New York State.
The feasibility study for Great Lakes wind energy will consider the environmental, maritime, economic, and social issues as well as market barriers and costs of developing wind in the Great Lakes as an important step toward assessing the overall value and viability of this potential resource for helping New York achieve Climate Leadership and Community Protection Act (CLCPA) goals. To learn more and sign up to receive updates, visit NYSERDA's Great Lakes Wind Feasibility Study website. To contact the NYSERDA Great Lakes wind team with questions, email greatlakeswind@nyserda.ny.gov

Humpback Whale Webinar Series-1pm sponsored by NOAA. Topic: Vocalizations. Register for webinar.

Saturday, March 20

The Sweet Life!- 11:00 a.m. – 12:30 p.m. at DeVeaux Woods State Park. It's maple sugaring time! Join us for an indoor presentation on the sugaring process, start to finish. Following will be an outdoor, hands-on presentation. Watch the sap turn into syrup. ***For information & registration call (716) 282-5154.***

Buffalo Geological Society's 52nd Annual Gem, Mineral and Fossil Show- 10am to 6pm at the Erie County Fairgrounds in the Grange, Market and New York State Police Buildings in Hamburg, NY. Free. https://www.facebook.com/events/244743893224965/

Fun Facts with Kelly: First Day of Spring- 2:00 p.m. – 3:00 p.m. at Reservoir State Park. Welcome in Spring with a walk through the park along the accessible path, seeking buds on trees and spring ephemerals! ***For information & registration call (716) 282-5154***

Flyway Birding: Strawberry Island Eagle Watch -10AM to 11:30AM at Aqua Lane Park. Join Buffalo Audubon Naturalist Tom Kerr and check out the Bald Eagles nesting on Strawberry Island in the Niagara River. This nest has been active for over a decade and is a great spot to see eagles year-round! We'll also look for Gulls, Ducks, Peregrines, and other birds that spend their time on the Niagara River this time of year. Meet at Sheridan Boat Launch in Aqua Lane Park in Tonawanda. Pre-registration is required. Donations gratefully accepted. 585-457-3228.

First Day of Spring Walk-10am. Celebrate the beginning of spring while discovering vernal equinox traditions from around the world. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Sample Preparation & Presentation-1 to 2pm. Work side-by-side with Penn Dixie staff and learn how to prepare your own Penn Dixie specimens at home. We'll walk you through what household materials you need to get your fossil in tiptop shape for display and how to properly label and catalog them to ensure they hold up in your collection for as long as they did in the ground. Check their site for tools you need to have. Pre-registration is encouraged as workshops are interactive and meant to be participatory. Guests are welcome to actively participate in the workshop by asking questions to the host directly and to the moderator via the chat feature – questions will be answered in real time. Similarly, a registration email with household supplies needed to successfully participate will be sent along prior to each program. Sign Up Here!

Sunday, March 21

Buffalo Geological Society's 52nd Annual Gem, Mineral and Fossil Show- 10am to 5pm at the Erie County Fairgrounds in the Grange, Market and New York State Police Buildings in Hamburg, NY. Free. https://www.facebook.com/events/244743893224965/

Naturalist Skills Series (3 of 4): Field Skills-10:00am-2:00pm at West Falls JP Nicely Park. Spending time outdoors can yield many rewards, but with reward comes a bit of risk. Learn how to mitigate risk and be prepared for various situations in this overview that will touch on basic compass and map reading skills, basic fire-starting skills, and a lesson on the essential items to have while outdoors. Ages 12 and up. No exceptions. ***This is program #3 of a four-program series.*** Register and info.

Monday, March 22

Virtual Program: Water Week Series-10am. Celebrate World Water Day this whole week (3/22-26) with daily 30-minute explorations of our local watershed. Pre-registration required; register online at www.reinsteinwoods.org/events Topic-Meet your Watershed.

World Water Day Event-7pm. Join the University of California, Merced for a discussion with Juan Carlos Oseguera, Joe Del Bosque and Patrick Cavanaugh. Register here: https://bit.ly/TheFightForWaterPanel Juan Carlos Oseguera is the producer of the film, "The Fight for Water". Joe Del Bosque is one of the two farmers interviewed during the filming of the documentary and provided some insights into what the water fight meant for him, the farmers, his community and for his farm workers. He has continued to be active in water issues in the state of California. Patrick Cavanaugh is a journalist who was interviewed in the documentary and has been an active reporter in agricultural and water issues in the state of California. He was instrumental in helping the producer get access to venues of filming and provided some context on the delta smelt. Free and open to the public. Register here: https://bit.ly/TheFightForWaterPanel

Tuesday, March 23

Virtual Program: Water Week Series-10am. Celebrate World Water Day this whole week (3/22-26) with daily 30-minute explorations of our local watershed. Pre-registration required; register online at www.reinsteinwoods.org/events Topic-Watershed Threats.

Watersheds-12:30 pm. Virtual program. Why do watersheds matter in 2021? John Jablonski III, Executive Director of the Chautauqua Watershed Conservancy, and Arthur Pearson, CEO of the Roger Tory Peterson Institute, will answer that question in this installment of the IMAGINE Lecture & Discussion Series hosted by the downtown Buffalo & Erie County Public Library. This live lecture is co-sponsored by WNY STEM and will be held virtually. Use this Zoom link to attend: **https://us02web.zoom.us/j/85839766406.**

Sierra Club Niagara Meeting-7 to 9pm via zoom. If you are interested in joining us please send us an email at niagarasierra@gmail.com. All meetings are open to the public.

West Valley Citizen Task Force meeting- 6:30 PM via Zoom. R**egistration Required:** Registration will open in early March please check back http://westvalleyctf.org/ (*Please register individually, please do not share your link*).

The Post-Pandemic Challenge for Local Governments-6:30 p.m. via Zoom. Free and open to the public! Long pressured by stagnant state and federal aid, declining tax revenues and more, local governments now face a whole new set of challenges due to the global pandemic. Join us for a timely conversation on the problems, possible solutions, and their potential impact on the services we all rely on. Panelists: Mildred E. Warner, Professor, Department of City and Regional Planning and Department of Global Development, Cornell University; Gregory Raab, Professor of Political Science, Jamestown Community College, and former member of the Jamestown City Council; and Geoff Kelly, reporter, Investigative Post. Moderator: Lisa K. Parshall, Professor of Political Science, Daemen College, and Public Policy Fellow, Rockefeller Institute of Government. Please RSVP by Friday, March 19, 2021. You may register online, by email to lwvbn@lwvbn.org, or by phone (716) 986-4898. You will receive login information to the Zoom call via email.

Wednesday, March 24

Effective Ways to Attract And Support Pollinators in Managed Landscapes-8:30 AM (EST), Webinar. Join Emily May, Pollinator Conservation Specialist with the Xerces Pesticide Program, to discuss proven ways of attracting and supporting pollinators in managed landscapes. Information provided will include best management practices for pollinators as well as information on plant selection for landscapers and other urban land managers. The presentation is part of the two-day Spring Kickoff for Landscapers event hosted by UMass Extension. Click here for more information and to register.

Virtual Program: Water Week Series-10am. Celebrate World Water Day this whole week (3/22-26) with daily 30-minute explorations of our local watershed. Pre-registration required; register online at www.reinsteinwoods.org/events Topic- A Day in the Life of the Niagara River/Lake Erie Watershed.

Talk with Pascale Sablan- 6pm. She is an associate with Adjaye Associates and founder and executive director of Beyond the Build Environment. Her lecture, "I Was Asked to Stand," educates and empowers us to understand the cause and possible solutions to the disparity in the lack of representation, documentation, and acknowledgement of the great works of women and bipoc designers. This lecture is divided into five sections focusing on the history of the problems, how we can proactively change our profession and future aspiration to continue the fight for equality. *Zoom link coming soon http://ap.buffalo.edu/events/2021/pascalesablan.html*

Thursday, March 25

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Virtual Program: Water Week Series-10am. Celebrate World Water Day this whole week (3/22-26) with daily 30-minute explorations of our local watershed. Pre-registration required; register online at www.reinsteinwoods.org/events Topic- A Day in the Life of the Niagara River/Lake Erie Watershed: Looking at the Data.

Farm Energy Day: Energy Answers for Beginning Farmers and Ranchers- 12 p.m. to 1 p.m. ET
This webinar will showcase a new set of resources designed especially for new farmers, to help answer the questions they may have about energy on the farm. Learn more and register.

PUSH Green Workshop: Take A Deep Dive into An Energy Audit- 6 to 7pm. This series is hosted in partnership with Cornell Cooperative Extension. Join the meetings here: https://cornell.zoom.us/j/94907146285?pwd=OUZsZWhrZHJ0ODh1ZCsrSGdLTnE3UT09
Meeting ID: 949 0714 6285 Passcode: energy, You can also call in using one tap mobile +16468769923,,94907146285# US (New York). You can view, RSVP and share the series on Facebook here.

2021 Explore Buffalo Winter Speaker Series-7pm is available for free for all Explorer Pass members at any level. To become an Explorer Pass member, please visit https://www.explorebuffalo.org/explorer-pass. Register.

Friday, March 26

Timberdoodle Time-6:30 to 8:30pm at Evangola State Park. A frog-serenaded, dusk journey to experience the American Woodcock's dazzling display flight that only happens this time of year! ***For information & registration call (716) 549-1050.***

Virtual Program: Water Week Series-10am. Celebrate World Water Day this whole week (3/22-26) with daily 30-minute explorations of our local watershed. Pre-registration required; register online at www.reinsteinwoods.org/events Topic- Become a Watershed Warrior .

Saturday, March 27

Springtime is a Fine Time!-1 to 3pm at Artpark State Park. Signs of spring are all around us! Time to get out and enjoy a leisurely stroll with some gorgeous views of the Niagara River.! ***For information & registration call (716) 282-5154.***

Saw-whet Owl Search -3PM to 5PM. Beaver Meadow Audubon Center. Join us for a spring hike in search of migrating Northern Saw-whet Owls. Saw-whets are the smallest owl in New York State and can be difficult to find. We'll search for them in some of the densest part of the forest at Beaver Meadow in hopes of finding one! Meet at Arboretum Lot. Pre-registration required. $10 Non-Members/$8 BAS Members. 585-457-3228.

Online Horticulture Classes - 11am-1pm, General Public - $25 per class or $125 per series, Members - $22.50 per class or $112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class. https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes

Birding 101-9am. Join a guided walk in search of migrating birds. Bring binoculars if you have them! Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Ornithological Field Trip: Lake Ontario Plains-8am. Meet at 8 AM at Tops Market in Wright's Corners. This is on the east side of Route 78 at Route 104, north of Lockport. Leader: Willie D'Anna (716-751-3637 or dannapotter@roadrunner.com). This popular field trip seeks returning birds, like Killdeer, blackbirds, and Eastern Meadowlark, overwintering birds, like Rough-legged Hawk, Snow Bunting, and Lapland Longspur, and an abundance of waterbirds. We will look for loons, grebes, a variety of ducks and geese, and any goodies that might be around. Seven species of geese have been found on this trip in the past! We will also keep our eyes to the skies in search of migrating raptors, which are often prevalent in spring up by Lake Ontario. Previous trips have recorded Golden Eagle. Come join us and start to get over your spring fever!

Sunday, March 28

Gardens After Dark: Spring Flowers-held at the Buffalo and Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. This magical exhibit will highlight the amazing plant collection and the Spring Flower Exhibit. Thousands of tulips, daffodils, hydrangeas and hyacinths will fill the Botanical Gardens, and Gardens After Dark will highlight these amazing and fragrant plants in a different way. Take a self-guided tour around the Botanical Gardens after dark to experience spring in a whole new light. Tickets and reservations.

Monday, March 29

Virtual Seed Starting Basics Class -Presented by Genesee Country Village & Museum from 7 to 8:30 p.m. Expand your gardening horizons and learn to start your own seeds for transplanting from the comfort of your home with instructor Sarah Hefner. Participants will learn how to find their planting zone, what and when to sow seeds, and about direct-sowing verses starting indoors. Other topics include the appropriate containers and lighting for seeds, seedling care, winter sowing and transplanting outside. The fee is $15 for general admission and $12 for museum members. This class will take place online through Zoom. All registrants will be sent a meeting link the night before the event. Purchase tickets here.

Measuring Carbon Impacts with Digital Tools (Food Case Study)-1:15 to 2:15 PM EDT. Register Here Now. Digital tools and smart systems will enable companies and consumers to make choices that will manage their carbon footprint. Novel approaches to data sharing and permission will create value chains that will give businesses and consumers better choices on managing their pathways to net-zero carbon. Learn about consumer and producer trends in organic agriculture.

Tuesday, March 30

Random Planning Values?"-12pm to 1:30pm. Join us for the 2021 Jammal International Lecture with Ben Davy, visiting professor of law at the University of Johannesburg (South Africa), who will consider the disintegration of key values of urban governance: hope, generosity, self-restraint, justice and simplicity. Contemporary cities must be sustainable, resilient, carbon-free, and 'smart'. Davy asks, are these labels empty signifiers? Ben Davy recently retired from the School of Spatial Planning, TU Dortmund University (Germany). He is the immediate Past President of the Association of European Schools of Planning. Zoom link to be posted at *http://ap.buffalo.edu/events/2021/ben_davy.html*

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Wednesday, March 31

Wednesday Woods Walk-10am to noon at Knox Farm State Park. Take a journey through Knox Farm to search for signs of spring. ***For information & registration call (716) 549-1050.***

Missouri Prairie Foundation Webinar- 4pm CST. Free. Register at - Grow Native! Webinar: Reflections on Urban Native Gardening, with Cody Hayo. Zoom link will be emailed to you the week of the event. Recordings of the programming will be sent to all registrants, the free webinars will be posted publicly at the MPF YouTube Channel.

Wetlands and Pollinators: How Water Quality Can Benefit Pollinators-2:00 PM - 3:30 PM EST, Webinar. Join Rae Powers and Sarah Nizzi of Xerces Society to learn more about how wetlands can support pollinators, how to select native plants for pollinators on wetlands, common pollinator groups, and to see examples of successful restoration projects that incorporated pollinator habitat. Wetlands are vital--recognized for their importance in protecting water quality, enhancing agricultural production, strengthening community health, and providing wildlife habitat. This webinar highlights how wetland protection and restoration can also support pollinator and other beneficial insect conservation. Click here for more information.

RTPI Presentation on Saw-whet and Long-eared owls-7pm. To participate in this free program, you simply need the Zoom link, which you can obtain by emailing Twan Leenders, RTPI's Senior Director of Science and Conservation, at tleenders@rtpi.org.

"Resources from Cornell's Pesticide Safety Education Program"-11am webinar. presented by Dr. Mary Centrella, Director and Educator, Pesticide Management Education Program (PMEP). Link posted at http://www.nyisri.org/resources/webinars-recorded-talks/

Thursday, April 1

Soil Invertebrates - Getting to Know the Life in Soil-1:00 PM - 2:30 PM EST, Webinar. Join Stephanie Frischie and Jennifer Hopwood of Xerces Society to learn more about the amazing life in our soils. Healthy, living soil and its functions are created and maintained by fungi, bacteria, plants and by invertebrate animals as diverse as annelids, springtails, and firefly larvae, among others. This workshop will familiarize participants with common soil invertebrates, their ecology and roles in soil health, scouting methods, and management strategies to increase beneficial soil animal populations. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Home Composting: Natures Recycler -7pm webinar. Will provide an overview of the benefits and the simple steps of home composting. Attendees will learn the amazing natural processes that will turn kitchen scraps and yard waste into compost that can be used to improve your ornamental and vegetable garden. Best practices for home composting will be presented. Register.

April Fool's Day Walk-10am. Explore some of the ways nature "fools" us on this guided walk. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Garden Talk: What is Lasagna Gardening?- 12:00 PM - 12:30 PM. Join Dar H. for this program via Zoom. Lasagna gardening is a no-dig, no-till way to create a new vegetable garden or flower bed. It gets its name from the layers used to create it. Register in advance for this meeting: After registering, you will receive a confirmation email containing information about joining the meeting. Free and Open to the Public.

Friday, April 2

What's Bugging You First Fridays: Dealing with springtime ants and Protect yourself against ticks. - noon to 12:30pm, a new virtual series on practical solutions to pest problems, is being held by Cornell Cooperative Extension Chautauqua County in partnership with the New York State integrated Pest Management Program. See details and registration information here or call CCE Chautauqua at 716-664-9502.

Saturday, April 3

Outdoor Skills -10am. In this program, you will build an emergency shelter from natural materials and practice navigation and fire building techniques. For adults and children ages 8 and older. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Sunday, April 4

Naturalist Skills Series (4 of 4): Birding Basics-10:00am-2:00pm at Beaver Island State Park. Looking at our feathered friends in a closer way can paint a picture of the world that few ever notice. We will take note of the early portion of the Spring migration along a premier North American flyway and gain a better understanding of the seasonal changes. Binoculars will be provided. Ages 12 and up. No exceptions. *This is program #4 of a four-program series.* Register and info.

Monday, April 5

Spring Reptile Walk-11am. Hike around the ponds at Reinstein Woods and learn about the reptiles that are waking up for the season. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Tuesday, April 6

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Tips for the Environment:

Get Outside for a Winter Scavenger Hunt-Take your kids or friends outside to experience nature and find different flora and fauna. For ideas, check here.

Use technology and websites to help you conserve energy and save money- Free options plus purchased devices and software can reduce your usage. Check out different apps and tips here and this website.

Educate yourself on packaging and help solve the problems of plastic packaging- try to limit the amount of packaging with your purchases, but realize that different types of packaging vary in their impact. Learn more at http://solvingpackaging.org/.

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.

Excalibur, a private, non-profit all volunteer, charitable organization seeks competent anglers and captains to help provide free boating and fishing opportunities on Lake Erie for disabled and disadvantaged persons using the organizations new vessel. Contact Director Jim Catalano at jim@excaliburls.org or visit http://excaliburls.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, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or 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.

Science Firsthand needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

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. Our big biking family is ever-growing - if you're looking for a fun and fulfilling way to get involved in our community on wheels, 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/

Wildlife Rehabilitator Search- https://www.dec.ny.gov/cfmx/extapps/sls_searches/index.cfm?p=live_rehab
B-WELL Videos-https://cityofbuffalo.viebit.com/index.php?folder=Be+Well+Buffalo

Additional local blogs and websites-
Birds on the Niagara- http://www.birdsontheniagarafrontier.org/
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/
Nourishing Harvest- https://www.patreon.com/anourishingharvest
Parks and Trails NY Trailfinder Site- http://www.ptny.org/trailfinder/Default.aspx
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

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 https://www.facebook.com/groups/893902477748081/
Urban Farms/ Composting/Rural 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
Healthy Living Farm- https://www.healthylivingfarm.com
Kindred Kreek Farms- https://www.kindredkreek.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

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/
http://growitsaveituseit.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, http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz
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
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. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- http://www.rebounces.com/recycle/
Toys, plastic- http://dmpgreen.com/mail_in.html
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

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.
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.

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

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://alleganynaturepilgrimage.com/
Alliance for the Great Lakes	www.greatlakes.org
American Planning Association-WNY Section/Upstate	www.wnyapa.com
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	https://animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/

Birds on the Niagara	http://www.birdsontheniagara.org/
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 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 in Bloom	https://www.buffaloinbloom.com/
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/
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://www.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/
Daemen College 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

Environmental Advocates NY	www.eany.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 551-4410	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	http://www.eriectyfsc.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/
First Hand Learning	www.firsthandlearning.org
500 Women Scientists, Buffalo Chapter	https://500womenscientistsbuffalo.wordpress.com/
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.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/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	http://gwbuffalo.org/
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
Hawk Creek Wildlife Center	https://www.hawkcreek.org
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Inland Ocean Coalition-Buffalo Chapter	https://inlandoceancoalition.org/whoweare/chapters/buffalo/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/

Jamestown Audubon Center & Sanctuary	http://audubonc nc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
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/
Let There Be Light International	www.lettherebelightinternational.org
Local Initiatives Support Corporation	https://www.lisc.org/wny/
Lyceum at Silo City	https://www.lyceumsilo.city/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	https://nysacc.org/
New York State Ornithological Association	http://nybirds.org/index.html

New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
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/
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
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
ReNU Niagara	https://levesqueinstitute.niagara.edu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
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/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/

Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://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	https://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/
WASH Project	http://thewashproject.org/
Wellness Institute	https://creatinghealthycommunities.org/
Western Chapter New York Water Environment Association	http://nywea.org/

Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Climate Action	http://www.wnyclimateaction.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	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	https://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
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 Raptor Center	Wnyraptor.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/
West Side Ministries (716 Ministries)	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org

Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/
Youth Climate Summit	http://www.wnyclimateaction.org/