

Enviro-News

March, 2020

Sponsored by Daemen College's Global & Local Sustainability Program

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Articles:

Plastic Bag Ban Starts March 1: #BYOBagNY

Starting March 1, 2020, a new [plastic bag waste reduction law](#) will take effect in New York State, and your reusable bag should be in hand when going shopping. Whether you're going to the grocery store, clothes shopping, or to a home improvement store, make sure to bring your reusable bags. New Yorkers use more than 23 billion plastic bags a year. Your reusable bag means conserving natural resources, creating less litter, and keeping New York beautiful for future generations. When we improperly dispose them, plastic bags pose threats to fish and wildlife, clog machinery at recycling facilities, and litter the pristine outdoor places we love and enjoy spending time in with our friends and family. Stores covered under the NYS Plastic Bag Reduction, Reuse and Recycling Act will still be required to collect plastic bags and other [film plastics](#) from consumers for recycling. Film plastics include items such as bread bags and plastic wraps that come over cases of water, paper towels and other similar items. Consumers can help by continuing to recycle these items at participating retailers.

Land Use, Green Code, and Zoning Workshop

Join Partnership for the Public Good on **Thursday March 5** from 12-2pm and learn how to level the playing field in development and zoning matters in our communities. This workshop will feature Jessie Fisher, Executive Director of Preservation Buffalo Niagara and Art Giacalone, Land Use and Zoning Attorney on how individuals and groups in Buffalo and Erie County can understand land use and zoning law, terminology and procedures so they can more effectively express their concerns about proposed projects or changes. These laws are designed to promote public health, safety and welfare, and to protect and enhance the physical and visual environment. The workshop will be held in Buffalo Commons Classroom, 617 Main Street, Suite 300/Floor 3R, Buffalo, NY 14203. To RSVP, email buffalocommons@cornell.edu.

Environmental Excellence Awards: Nominations Sought

The Erie County Environmental Management Council's Environmental Excellence Award is currently accepting applications including self-nominations. 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 the areas of 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. **Applications are due March 6th, 2020, with an award ceremony on April 26th, 2020.** For more information and to download the short application, please visit: [awards](#).

Hemlock Woolly Adelgid (HWA) Survey & Detection Training

Volunteer training for detecting the Hemlock Woolly Adelgid (HWA) will be **Saturday, March 14** at Emery Park Field House, 2084 Emery Rd, South Wales, NY 14139 from 10:30am to 1pm. [REGISTRATION](#) IS REQUIRED FOR THIS 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 countless native plant and animal species, and enhances any outdoor recreation experience. Unfortunately, these majestic trees are under attack from the HWA, an invasive, aphid-like insect. Slowing the spread of HWA is the most important way we can help preserve our hemlock forests. The early detection of emerging infestations is a great way to do this, but we need volunteers like you to help! This event will feature an indoor education event, then we will head outside to learn to survey for and identify Hemlock Woolly Adelgid in the field. Attendees are encouraged to dress appropriately for the weather and wear warm, sturdy footwear.

Buffalo's Outer Harbor: The Right Place for a World-Class Park

21st Century Park invites you to “Buffalo’s Outer Harbor: The Right Place for a World-Class Park” on **Wednesday, March 11** from 5:30 to 7:30pm at WNED Buffalo Auditorium, 140 Lower Terrace, Buffalo. A presentation by Sam Magavern, Senior Policy Fellow at Partnership for the Public Good will discuss the assets of our outer harbor and our window of opportunity to ensure this special place serves our community. For more information about plans for this park, visit [ppgparkplans](#).

“What the Frick is in our Water”

The Western New York Meteorological Society hosts John Cunningham on **March 17** for a presentation on algal blooms and their weather-related causes for Lake Erie and the public health concerns. The talk will be held at 7pm in Schenck Hall, Room 202, Daemen College, 4380 Main St., Amherst. Talk is free and open to the public.

A Panel Discussion on The How: Developing and implementing a Climate Action Plan

A panel discussion on Climate Action Plans will be held on **March 18** from 3:30-5pm @UB North Campus. The Western New York Sustainable Business Roundtable has organized this as part of their Carbon Footprint Semester. This session series is ideal for: C-suite Executives, Sustainability Directors, Sustainability / Environmental Consultants, Environmental Compliance Officers, Environment Health & Safety Professionals, Finance Professionals, Health Professionals, Energy/ LEED Professionals and all companies/ personnel who have an interest in reducing their organization’s footprint. Our final carbon discussion will focus on the How, i.e. action! Climate Action Plans (CAPs) are being adopted by pioneering organizations to motivate measurable actions on reducing emissions and increasing resonance with today’s markets. CAPs are effective tools for companies to be transparent about their footprint and engage their employees to create meaningful change from within. Register [here](#)! SBR Members: Free. All others: \$25. Your ticket includes afternoon snacks, coffee, presentations and panel discussion.

Developing Solar in Your Community

Join partners from One Region Forward for the first installment of our 2020 Learning Series focused on solar project development. Legal experts, solar developers, local municipal peers, and representatives from governmental agencies will share what you need to know before, during, and after developing solar in your community. The session is **March 20, 2020** from 8:00 a.m. - 1:00 p.m. at Erie County Fire Training Academy, 3359 Broadway, Cheektowaga. There is a \$20 Registration Fee and lunch is provided only for registrants. Register by March 13 at oneregionforward.org/learning2020.

2020 Tree & Shrub Program

The annual sale and distribution of evergreen and deciduous seedlings and transplants for the conservation of natural resources and the enhancement of forestry resources, wildlife habitat and economic development is going on. For Niagara County, the tree and shrub order form can be downloaded [here](#) with an order deadline of **March 6**. To [order for Erie County](#), the deadline is **March 13**.

Master Gardener Education Day

This year's Master Gardener (MG) Education Day will be **Saturday March 14, 2020** at Classics V on Niagara Falls Blvd., 9-3. The cost is, \$45 for MG's out of county and \$55 for the public. Hot buffet lunch included. There will also be an excellent basket raffle and book signing. Speakers include Joseph Tychonievich (author of Plant Breeding for the Home, The Complete Guide to Gardeners, and Rock Gardens) and Joseph Han (founder of The English Gardener). Register online at: <https://reg.cornell.edu> or call Jolie at CCE, 652-5400 ext: 176.

CommuniTREE Steward Training Course

A program to train Buffalo area residents to care for juvenile trees is planned by Cornell Cooperative Extension of Erie County (CCE Erie). The CommuniTREE Steward Project (CTS) training will offer a five-part classroom and in-field training taught by experts in the field of arboriculture. The 2020 CTS Classes will be offered Wednesday evenings from 5:45 – 8:00 pm, **March 11th to April 8th**. Cost is \$25. Registration is now open! Be sure to [visit the CommuniTREE Steward page of our website for forms and other information](#). [REGISTER HERE](#)

“Fossils of New York” and 52nd Annual Gem, Mineral and Fossil Show

“Fossils of New York” will be featured at the Buffalo Geological Society's 52nd Annual Gem, Mineral and Fossil Show on **March 21-22, 2020**, at the Erie County Fairgrounds in the Grange, Market and New York State Police Buildings in Hamburg, NY, on Saturday, 10 am-6 pm and Sunday, 10 am-5 pm. This annual show provides an instant museum of Buffalo Geological Society Members fossils, minerals, and jewelry; demonstrators; the famous Mini-Mine for young collectors; the new mining operation for children and adults; mineral and fossil identification; and a variety of non-profit exhibitors. Demonstrators include a soapstone carver, jewelry designers, and other lapidary artists. In addition, over 32 dealers selling gems, beads, minerals, fossils, and jewelry, selling their items from around the world. A food vendor and hourly door prizes will be available. Adults are \$6 each, scouts in uniform and children under 12 are FREE. A 2-day admission for \$9 each is also available. FREE parking. Wheel chair and stroller accessible. For any additional information or questions, please contact Jerry Bastedo, Show Chairman, at jcbastedo@gmail.com.

Come Celebrate All Things Wild: 3rd Annual Wildlife Baby Shower

SPCA Serving Erie County will hold its 3rd Annual Wildlife Baby Shower on **March 21** from 10am to 2pm at its facility at 300 Harlem Road in West Seneca. At this year's baby shower, help us fill the incubator with cash donations, learn how you can help local wildlife, and get a closer look at wildlife with ambassadors from the SPCA's Wildlife Department, SkyHunters USA, and the Citizen Coalition for Wildlife and Environment. For more information, please visit our [website](#).

Western NY Buyer-Grower Conference

The Western New York Buyer-Grower Conference has been rescheduled for **March 23, 2020** at the Foundry Suites in Buffalo from 9am to 6pm. Whether you're a farmer curious about selling to restaurants and institutional markets or a buyer that wants to source more New York State products, this event is for you! Join co-hosts Field & Fork Network and Cornell Harvest NY for a day filled with business-to-business networking, knowledge sharing, access to financial resources, and building overall awareness of the regional food and ag industries. [Tickets](#).

Beekeeping 101

Buffalo Niagara Heritage Village (3755 Tonawanda Creek Rd, Amherst) presents Beekeeping 101 from **March 26 - April 30, 2020** on Thursdays from 6:30 pm – 8:00 pm. This course, instructed by Sara Miller and Steven Krumm, is a great introduction to beekeeping and the honey bee. Whether you are interested in becoming a hobbyist beekeeper, learning about pollinators and the importance of pollination, or just have an interest in bees - this class has something for everyone, Registration is \$95 Members, \$130 Non-Members at <http://bnhv.org/event/beekeeping-101/>.

Sex in the Ordovician: Trilobite Reproduction

“Sex in the Ordovician: Trilobite Reproduction”, sponsored by Penn Dixie, focuses on the discovery of trilobites with in situ eggs from the Ordovician of New York State. It uses this discovery as a touchstone to discuss the evolution of trilobite and arthropod reproduction in general. The talk is **Wednesday, April 1** at 7pm in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd., Blasdell, NY 14219. FREE for Penn Dixie members and \$4 for the public. No registration needed.

DEC Exams Offered for Falconry, Wildlife Rehabilitator, and Leashed Tracking Dog Licenses

DEC announced that examinations for individuals seeking a license to practice the sport of falconry, become a volunteer wildlife rehabilitator, or use leashed tracking dogs to find wounded or injured big game animals are scheduled for **Friday, April 3**. The exams will run from 10 a.m. to noon at most [DEC Regional Offices](#) across the state. The deadline for registering to take any of these free exams is **Friday, March 13**. Exam registration forms are available on [DEC's website](#).

Explore Buffalo Spring 2020 Docent Training Program

The Spring 2020 Docent Training Program will train new docents for the *Best of Buffalo* downtown walking tour. Taking other Explore Buffalo walking tours, especially [Inside Downtown: South](#) and [Inside Downtown: North](#) is suggested preparation for Docent Training to become familiar with our walking tours. The *Best of Buffalo* tour is offered on a regular schedule from May to October. Class times are Monday, Wednesday, and Friday mornings, 9 AM – 12 PM, April 20 – May 1 (6 classes) at the First Presbyterian Church on Symphony Circle. **The application deadline is Friday, April 3**. Upon acceptance, a course fee of \$95 will be required from participants by Monday, April 13, 2020. This course fee covers the cost of printing and other materials for the course, and includes a portable microphone, Explore Buffalo messenger bag, and other tour supplies. *Scholarships are available for the Docent Training Program – please contact Brad Hahn at brad@explorebuffalo.org for more information.*

2020 Waterkeeper Water Academy Ongoing

The spring 2020 **Water Academy** course will meet on Thursdays from 4:00pm – 6:00pm starting January 23rd through May 14th. Class sessions will be held at the East Hill Foundation in North Tonawanda and at various locations throughout WNY. Weekly classes will include interactive group discussions, educational games, guest lectures, small-group activities, field sessions, hands-on workshops and traditional presentations. To register for the Water Academy program visit <https://bnwaterkeeper.org/programs/wateracademy/>. A Water Academy tuition of \$50 per class or \$250 per semester will apply.

Emerging Leaders Program Applications Open

The Emerging Leaders 2020 application is now available. Interested candidates are asked to review and submit the completed application by **May 1, 2020**. Applications will be reviewed on a rolling basis through the deadline with an anticipated program start date of August 21, 2020. Apply at [Emerging Leaders 2020 Application](#).

Draft Regional Bicycle Network Workshop Presentation

The presentation and photos from the Community Workshops are now online for you to [view](#). If you were unable to attend the workshops, we'd like to hear any suggestions you have for improving bicycling conditions, and we would be happy to answer any questions or concerns you may have about this plan. Share your input by sending an email to bikeplan@gbnrtc.org or by filling out the comment form on gbnrtc.org/bikebuffaloniagara.

Genesee River Angler Diarists Needed!

Your fishing observations can help shape future fisheries management actions. DEC is seeking angler observations as it begins its angler diary program on the Genesee River in Allegany and Wyoming counties. The diarist program aims to record data for trout and bass fishing trips on the Genesee River from the Pennsylvania line downstream through Letchworth State Park between **March 1 and October 31, 2020**. Anglers who fish the Genesee River (even once) and would like to contribute observations by keeping a fishing diary for DEC can contact DEC's Region 9 Fisheries office at (716) 379-6379 or by email at fwfish9@dec.ny.gov.

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's Story of Place: See it Through Buffalo

Buffalo's story of place was recently shared with mayors, ministers, journalists and thousands of others attending the United Nations' 10th World Urban Forum. Buffalo's story is being told through the lens of film, with a screening of "See It Through Buffalo," a documentary short presented by the School of Architecture and Planning at the Time Space Existence exhibition of the 2018 Venice Architecture Biennale. The 15-minute film offers a candid view of Buffalo's diverse urban landscapes and transitioning neighborhoods, where faculty and students work to address issues such as energy-efficient design, economic development, food systems planning, and refugee resettlement. It was co-produced with noted Buffalo filmmaker John Paget of Paget Films. View it at ["See It Through Buffalo"](#).

Climate Change Research-A-thon: Community Groups and Faculty Invited to Participate

Climate Change Research-A-Thon is an initiative organized by Dr. Stephen Vermette through the Department of Geography & Planning at SUNY Buffalo State. The objective is to empower college students with interests in the environment, planning, sociology, economics, and law, among other disciplines, to brainstorm ways that WNY can address local climate change issues.. Instructors of college courses are invited to incorporate this initiative within an existing course or to organize a student team, involving either a student club or a team organized specifically for the Research-A-Thon to tackle a specific question of their choosing from questions developed by local community groups or institutions. The involvement can be any length of time – working through an entire semester, a class assignment, or a one-day activity. The goal is to launch during the Fall 2020 and Spring 2021 semesters to accommodate scheduled courses. The outcomes of the Research-A-Thon – student products – will be presented on a web site. The web site will also include an edited summary of each effort. We anticipate presenting the student findings to the WNY community. If you are: an instructor willing to incorporate this initiative within a course (or to organize a student team/club) or a community group willing to provide a specific question in the future, please contact Dr. Stephen Vermette at vermetjs@buffalostate.edu. I will keep interested parties up to date on the Climate Change Research-A-Thon. Thank you for your participation in this timely initiative.

Organics Summit

The [6th Annual New York State Organics Summit: Food as a Resource – Expanding Opportunities](#) will take place **April 7-8, 2020** in Albany, NY at Albany Capital Center. This yearly event is an opportunity to connect with over 150 New York State materials management professionals and others to share success stories and discuss creative solutions to barriers that restrict the sustainable management of organic materials, with a specific focus on wasted food and food scraps. Early Bird Registration ends March 24, 2020 at midnight (Increase of \$30 after March 24)

Sixteenth Annual Symposium on Energy in the 21st Century

“On the Road to 100% Renewable Energy: Challenges and Opportunities” is the theme for this year’s Symposium on Energy. It will be held **April 17, 2020** at The Links, East Syracuse. Register [Here](#).

New Sustainable Workforce Training Center

PUSH Buffalo is building a new Sustainable Workforce Training Center on Buffalo’s West Side. This will be a 3,000 square foot living-classroom where people from the community will be able to learn about jobs that keep homes and businesses sustainable when it comes to energy consumption and the transition off of dirty fossil fuels. People will be able to learn anything from installing and maintaining solar panels to advanced renewable heating and cooling technologies. Right now we’re seeking Requests for Qualification (RFQ) from interested architecture and construction, or design/build firms, to work with PUSH in developing this new facility in our own backyard. Please contact De’yron Tabb at deyron@pushbuffalo.org about the RFQ process, or Rodney Rainey (rodney@pushbuffalo.org) for more information about current training opportunities. We hope to break ground on this project later this year.

Climate Justice and Community Engagement: Addressing the Climate Crisis

A non-credit course “Climate Justice and Community Engagement: Addressing the Climate Crisis” will be taught by Dr. Erin Robinson at Canisius College. This course will explore climate justice and community engagement through a grassroots perspective. Course material will cover the social and historical trajectory of climate change including the social construction of science, denial movements, impacts on refugee and migration patterns, and strategies and tactics for engagement at the local, regional, national, and global scale; as well as a review of the UN Sustainability Goals and practices and the classification of a climate in crisis. Classes meet on Wednesdays from 6 to 7:30pm beginning on **March 11** (5 sessions). For info, contact robinso5@canisius.edu. [REGISTER](#)

New York State Green Building Conference

Experience the NYS Green Building Conference on April 2 and 3 at the historic Marriott Syracuse Downtown, formerly Hotel Syracuse, and enjoy this newly renovated hotel with convenient features and a contemporary feel. A limited number of rooms are available at the special rate of \$141.00 per night! [CONFERENCE AGENDA NOW AVAILABLE!](#) [Register](#).

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.

Apply for NY Annual Award for Outstanding Sustainable Actions

New York State Department of Environmental Conservation is now accepting applications for the 17th annual [Environmental Excellence Awards program](#) which recognizes businesses, institutions, municipalities, and organizations for outstanding commitments to environmental sustainability, social responsibility, and economic viability. To date, New York has honored 96 entities that are leading by example and inspiring their industries and communities. Completed applications must be submitted by **Friday, April 17, 2020**.

WNY Land Conservancy Receives Grants to Protect College Lodge Forest near Fredonia

The Western New York Land Conservancy has received two grants toward protection of the College Lodge Forest, located in Chautauqua County near Fredonia. Grants include \$150,000 from New York State Office of Parks, Recreation and Historic Preservation and \$203,000 from the U.S. Fish and Wildlife Service. Combined with \$40,000 already donated by community members, they have raised nearly \$400,000 to protect the forest. The Land Conservancy has until December 31, 2020 to raise at least \$790,000 to buy the property, keep it open as a publicly accessible nature preserve, and maintain the land forever. The College Lodge Forest sits atop a ridge overlooking the Lake Erie plain in Chautauqua County. It boasts a network of hiking trails, an incredible diversity of plants and animals, a pristine wetland, and old growth forest. Old growth forests are rare in Western New York, and this is one of the best preserved patches in the region. Interestingly, the land sits on a continental divide: on one side rainwater drains towards Lake Erie and the Atlantic Ocean, while on the other side it drains towards the Mississippi River and the Gulf of Mexico. The 168-acres of forest that the Land Conservancy will purchase includes miles of hiking, snowshoeing, and cross-country ski trails. Once purchased, the Land Conservancy will maintain it as a publicly accessible nature preserve.

Penn Dixie Volunteer Orientation

Penn Dixie would not exist without our volunteers! Potential volunteers invited on **Wednesday April 8** from 6-8pm. To keep growing, we're always on the lookout for help with programming, school visits, community engagement, site maintenance, and administration. No experience necessary. We will provide all the training needed! Learn about Penn Dixie from our staff and experienced volunteers and receive the tools that you will need to make a difference. Refreshments included. Orientation is held in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. Email Director of Education Dr. Holly Schreiber at holly@penndixie.org to register.

Buffer in a Bag Applications Available Now

Everyone's favorite statewide [streamside protection initiative](#), [Buffer in a Bag](#), is back! Landowners with at least 50 feet of streamside property in New York State can apply for 25 free tree and shrub seedlings to help prevent erosion, improve water quality, and create habitat for wildlife along their stream. Qualifying NY landowners will be selected on a first-come, first-served basis now **through April 10**, while supplies last. [Find more information and an application on our website.](#)

Agriculture Literacy Week

Beginning Monday March 16, New York Agriculture in the Classroom will kick off its 15th Year of [Agriculture Literacy Week](#), bringing agriculturally themed books and resources to thousands of first through third grade classrooms across New York State. This is timed to coordinate with March 24, 2020 which is National Ag Day, a time when producers, agricultural associations, corporations, universities, government agencies and countless others across America gather to recognize and celebrate the abundance provided by American agriculture. New York Agricultural Literacy Week is organized by [New York Agriculture in the Classroom](#). To connect with your State's Agriculture in the Classroom contact, visit <https://www.agclassroom.org/affiliates/contacts.cfm>

Spring Shoreline Sweep Registration Open

Buffalo Niagara Waterkeeper has planned their Spring Shoreline Sweep for **April 25th** to celebrate the 50th anniversary of Earth Day and prevent tons of trash from entering our waterways. Afterwards, we'll meet in the Cobblestone District for a volunteer appreciation party hosted by Labatt USA, The Draft Room, and Buffalo Ironworks that you'll never forget. [Sign up](#) today!

New Battery Development

IBN has developed a new battery which is free of cobalt, nickel and other heavy metals. The battery is made from three materials that can be extracted from seawater, a much less invasive sourcing method than mining. Their prototype showed that the battery outperforms lithium-ion versions, so it has the potential to improve electric vehicles and energy storage. In addition, it takes only five minutes to reach an 80 per cent charge, a length of time similar to filling up a tank of petrol at a service station. It is also low-cost, thanks to the materials sourcing method, and has low flammability, so it is safer to use. Current lithium-ion batteries rely on two key metals – cobalt and nickel – that have a negative impact on the people who mine them, as well as the environment. Read more at <https://www.dezeen.com/2020/01/06/ibm-research-sustainable-battery-sea-water/>

Safe Lanes Bike Lane Reporting Platform

Did you know that you can make roads safer by bikers by reporting obstacles? See a bike lane blocked by a car, delivery truck, police officer, etc.? [Report it using Safe Lanes](#).

Clean Heating and Cooling Communities

Clean Heating and Cooling Communities Campaign is aimed at getting groups of homes and businesses in New York State to install clean heating and cooling (CH&C) technologies. CH&C technologies like ground source heat pumps, air source heat pumps, solar heating and cooling, and [biomass](#) can help lower energy bills and reduce emissions of harmful greenhouse gases while making homes and businesses more comfortable. NYSERDA is supporting communities in implementing multi-year community-based outreach and education campaigns. Building on the success of community campaigns like [Solarize](#), NYSERDA is tapping into the power of communities to increase consumer awareness of CH&C technologies and their benefits, help reduce installation costs, and jump-start the CH&C market. CH&C Campaigns help homes and businesses in the same area install these technologies through locally organized community outreach. Community members can negotiate rates collectively, select an installer competitively, and decrease up-front costs by enrolling in a local campaign. For more info, visit [here](#).

NYSERDA Green Jobs Green New York Energy Studies

Small businesses and not-for-profit organizations are eligible for an energy study that identifies and analyzes opportunities to make their buildings more efficient. 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. There is a cost-share for the energy study, which is based on the number of full time equivalent employees. For more information call Michelle Wooddell at 1-888-338-0089; email info@NYEnergyStudy.com; or visit [here](#).

Meat and Produce Donations Welcome by Hawk Creek

Hawk Creek Wildlife Center accepts meat and organic produce donations for their animals. Consider donating your game meat, bones and organic animals. For more information, contact tiffany@hawkcreek.org or call 716-652-8646. Donations are tax-deductible.

Two NOAA Webinar Series to Check Out!

Here are two NOAA webinar series you can sign up to follow. The [NOAA National Marine Sanctuary Webinar series](#) presents scientific and educational expertise, resources, and training in support of ocean and climate literacy in the classroom. The [NOAA One Science Seminar Series](#) presents new science from across NOAA.

Restaurant Sustainability Tool

Have you tried our new free online [sustainability tool](#) yet? The interactive online tool helps determine a restaurant's level of sustainability in the categories of energy, water, waste, food, chemicals, building, and disposables/reusables. With this information, a restaurant can determine if it would meet any of the 4 levels of becoming a Certified Green Restaurant®. It's a great tool to help a restaurant further its sustainability journey. The whole program takes about 15 minutes. [Click here to begin](#). Check the [Green Restaurant Association Education Portal](#) on our website! Head there to watch exciting sustainability videos and learn important facts about our seven environmental categories: disposables, chemicals, waste, water, energy, food, and building.

Mapping the Course of Climate Change

A new mapping application helps visualize projected climate change by comparing the projected climate of a city with the current climate in alternate locations, helping people to develop an understanding about global warming and its effects. Learn more about the map [here](#) and access the application at <https://fitzlab.shinyapps.io/cityapp/>.

The Foundry Offers Hands-on Classes: Build your own Furnishings

Want a new skill? The Foundry, 298 Northampton St. in Buffalo, offers artisan classes including glass blowing, leatherworking, upholstery and woodworking. To check out the full list of classes, [click here](#).

Solar-Powered Heritage Carousel Opening Planned for 2020

A solar-powered historic carousel is planned for Canalside in July, 2020 at Canalside. The Buffalo Heritage Carousel, Inc. is currently restoring the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots, with most currently needing restoration. 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 and construction will take place over the next eight months. For info, visit <http://buffaloheritagecarousel.org/>

Report *Cladophora* on Shorelines

Help us understand and monitor *Cladophora*, a non-harmful green alga, by reporting observations along Lake Erie, Lake Ontario, Niagara River and St. Lawrence River Shorelines. *Cladophora* is a type of stringy (filamentous) algae that grows on rocks, wood, logs, and other hard underwater surfaces in freshwater ecosystems, including the Great Lakes basin. For pictures, visit <http://www.dec.ny.gov/chemical/81962.html>. If you spot this type of stringy algae along New York's Great Lakes shorelines, DEC wants to know. Please use [fillable PDF](#) and e-mail to GLCladophora@dec.ny.gov.

DEC Launches Tool to Increase Transparency and Access to Data and Reports

DEC recently launched an interactive map that provides access to DEC documents and public data about New York's environment and outdoor recreation resources. You can use the tool to find places to view wildlife, locate areas with fishing rights and find conservation easements. To access the mapping application, visit the [DECinfo Locator web page](#).

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](#).

DEC's Draft Forest Action Plan Available for Public Comment

DEC has released a [draft of the 2020 New York State Forest Action Plan \(PDF\)](#) for public review and comment. The State Forest Action Plan is a 10-year strategic plan for DEC and New York's forest community that provides long-term, comprehensive, and coordinated strategies for addressing the challenges facing New York's forests today. We encourage the public to comment on the 2020 draft Plan through **April 3, 2020**. DEC will review and address all comments received. [The draft Plan and details on how to submit comment are available on our website](#).

Stewardship Appreciation Awards

The New York State Department of Environmental Conservation (DEC) is now accepting nominations for the inaugural 2020 Stewardship Appreciation Awards. Not-for-profit organizations, individuals, educational institutions, and municipalities with formal agreements with DEC are eligible to apply. Nominees must be in good standing with DEC and New York State Environmental Conservation Law for the past three years. Nominees must have one of the following formal agreements with DEC: An active Volunteer Stewardship Agreement (VSA); A current Memorandum of Understanding; A current Use and Occupancy Agreement; or Proof of organized volunteer activities on State lands. DEC encourages those who meet the eligibility requirements and are committed to improving lands, waters, and facilities including, but not limited to, forest preserves, state forests, conservation easements, wildlife management areas, and environmental education centers to submit a nomination. Completed [nominations](#) for the 2020 awards must be submitted by **Thursday, April 30**.

Great American Cleanup

In celebration of the 50th anniversary of Earth Day (April 22), Keep America Beautiful is pleased to [partner with Earth Day Network](#) to expand the efforts of the Keep America Beautiful [Great American Cleanup](#)[®], the nation's largest community improvement program, which takes place from March 19 through June 20. Find your local Keep America Beautiful affiliate [here](#) to locate an event near you.

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!

Food Composting and Waste Resources

A recent Food Donation & Food Scraps Recycling Law meeting at the University at Buffalo addressed a number of community questions. The law, which goes into effect in 2022, only applies to certain large volume food scrap generators. Resources provided at the meeting are available using [this link](#).

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.

Business Membership Program to Encourage Greener Commuting

Go Buffalo Niagara, a Transportation Management Association serving Erie and Niagara Counties, has launched a [business membership program](#) which encourages people to commute without a car. Once a business is signed up, its employees who choose to walk, carpool, bike, or take public transit to work will have access to myriad alternative transportation incentives, such as: discounted transit passes and preferred parking for carpools, guaranteed ride home which provides those who don't drive alone with a free ride home in case of emergencies, discounted memberships to [GObike Buffalo](#) and [Reddy Bikeshare](#) and monthly raffles for commuters who log their commute trips.

Municipality Rebates for Zero-emission Vehicles and Grants for ZEV Infrastructure

The 2019 round of DEC's municipal ZEV program is now open. Full details may be found in the Request for Applications (RFA) at <http://www.dec.ny.gov/energy/109181.html>. A total of \$500,000 will be distributed in this round on a first-come, first-served basis for clean vehicle rebates which include plug-in hybrid, all-electric, and hydrogen fuel cell vehicles. Applications for the Municipal Clean Vehicle Rebate Program on a rolling basis through 4:00 pm on July 24, 2020 or until funding is exhausted. A total of \$2,500,000 in grants will be distributed for infrastructure to municipalities that installed (or will install) hydrogen filling station components or electric vehicle supply equipment (EVSE) that is Level 2 or direct current fast charge (DCFC). DEC is accepting applications for the Municipal ZEV Infrastructure Grant Program on a rolling basis through 4:00 pm on **May 29, 2020** or until funding is exhausted, whichever occurs first.

Participate in the WNY Regional Freight Plan Survey

WSP USA Inc. is consulting with the GBNRTC to develop an update to the WNY Regional Freight Plan. This freight plan will help identify opportunities for growth in the freight and logistics industry in WNY and Southern Ontario as well as prioritize needed transportation and infrastructure projects to facilitate this growth. To gather as much input into the freight plan as possible, WSP has developed a brief 10-question survey at the below link and are asking freight stakeholders across WNY to participate. If you are a freight carrier, shipper or involved in manufacturing, industrial development, transportation or education, please complete the [survey](#).

All Purpose Cleaner Made from Food Waste

A New York-based company partnered with local waste haulers to collect food waste from corporate cafeterias around Manhattan and deliver it to their Newark facility to be broken down. The team essentially separate the waste into four usable ingredients—water, acetic acid (the building blocks of a vinegar), lactic acid (an antibacterial agent), and alcohol (a disinfectant)—which is then turned into an all-purpose cleaner that's 97% food waste. Since everything is created under one roof, ingredients don't need to be shipped across the country from various manufacturing facilities. The ingredients are also locally sourced and natural, and thanks to an essential oil blend, smells nice. Read [more](#).

DEC Announces New Cleanup Agreements for Former Tonawanda Coke Facility Contamination

The former Tonawanda Coke Corporation property has been accepted into the state's Brownfield Cleanup Program and the execution of a new consent order with Honeywell International will hold the company responsible for the cleanup of other sections of the former plant site under the State's Superfund Program. Together, the agreements with Riverview Innovation & Technology Campus, Inc. (Riverview) and Honeywell provide a successful path forward in the comprehensive removal of contamination at the site and will facilitate the area's redevelopment to benefit the community. Riverview's next steps include the submission of a Remedial Investigation Work Plan to DEC, which will be made available for public review and comment prior to being finalized. Riverview must also develop a Citizen Participation Plan that enables the public to participate more fully in decisions that affect their health as the cleanup progresses. Following DEC's approval of the work plan, Riverview will begin immediately investigating the Tonawanda Coke site for contaminants that will require cleanup. Riverview will then embark on an aggressive schedule to clean up the site under DEC's stringent monitoring and oversight. Once the cleanup is completed, estimated by 2024, Riverview plans to redevelop the property as a data center campus on the footprint of the former Tonawanda Coke facility. [Documents related to the BCP cleanup](#) and [documents related to the State Superfund cleanup](#) can be found at DEC's website.

2020 ReLeaf Conference

The [2020 ReLeaf Conference](#) will take place July 23-July 25 at Canisius College in Buffalo, NY. One of the plenary speakers is a well-known research team, David Nowak and Eric Greenfield, who will speak about their ongoing work for [i-Tree](#) on the health benefits of trees. They will also lead a hands-on i-Tree training session

Nonprofit Funding for Green Energy

Sun Club is [accepting grant applications](#) from nonprofits that need green funding and clean energy expertise. By funding sustainable solutions for nonprofits, Sun Club helps them continue their mission while contributing to a cleaner environment.

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](#).

NYSERDA Farm Energy Audits

NYSERDA offers free energy audits to identify energy efficiency measures for eligible farms and on-farm producers, including but not limited to: dairies, orchards, greenhouses, vegetable growers, vineyards, grain dryers, and poultry/egg. Farms must be customers of a New York State investor-owned utility and contribute to the System Benefits Charge (SBC). Please check your farm's current electricity bills to determine if you pay SBC. Farms can request an energy audit through the Agriculture Energy Audit Program.

Your Guide to Farmer Grants in the Northeast

Farm Credit East compiled a comprehensive report of farming grants offered in the northeast. The report is organized by first listing federal/regional grants, and then by state. However, federal resources are applicable to all farmers. Review [here](#).

New Resources Available to Reduce Hazardous Waste & Save Money

DEC has developed a resource guide for hazardous waste generators to reduce waste and save money. Resources include archived webinars presented by the New York State Pollution Prevention Institute (NYSP2I) on topics such as How Your Facility Can Reduce Hazardous Waste and Save Money and Best Practices for Sustainable Manufacturing.

<http://www.dec.ny.gov/chemical/110901.html>.

Birds Tell Us it is Time to Take Action on Climate Change

If an ecosystem is broken for birds, it is impacting us too. Audubon Society has released their [Survival by Degrees: 389 Bird Species on the Brink](#), which is a ground-breaking report that forecasts the impact that climate change will have on North American birds.

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.

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.

Soil Centric's Pathfinder Tool Helps Identify Regenerative Opportunities

Soil Centric has introduced a beta version of its [Pathfinder Tool](#), designed to help identify regenerative opportunities. The tool lists opportunities for farmers, ranchers, and land stewards, as well as nonfarmers. For farmers, opportunity categories include improving soil health, incorporating agroforestry, and integrating animals. The listings range from information resources to internships to online courses.

Solar Jobs Increases

The Solar Foundation on Wednesday released its 2019 [National Solar Jobs Census](#), which showed that New York ranks third in the nation for solar jobs and 26th for solar jobs per capita. New York saw a growth of 10.4 percent in solar jobs compared to 2018 figures. Nationwide, more than half of the jobs in the solar market were found in the residential sector. A quarter were in non-residential and just under a fifth were for utility-scale projects. Solar jobs increased in 31 states in 2019 compared to 2018, with an overall 2.3 percent increase in jobs across the country.

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.

Online Database for Funding Sustainable Materials Management

The Syracuse University Center for Sustainable Community Solutions (SU-CSCS) is excited to announce the recent launch of an online database for grants, low interest loans, and other funding opportunities to support sustainable materials management (SMM) initiatives and activities across NY. Switching to an online platform will aid users in locating funding more quickly and easily, as well as enable SU-CSCS to update the resource on a more consistent basis. Learn more about how to access funding resources [here](#).

New Greenhouse Manual: Guide for Educators

The National Center for Appropriate Technology (NCAT), the United States Botanic Garden (USBG), and City Blossoms are proud to release their new "Greenhouse Manual: An Introductory Guide for Educators." The manual is an easy-to-use guide designed to help educators with access to educational greenhouses. Whether planting gardens, growing for Farm to School programs, or integrating plant science into an existing curriculum, this manual has answers that educators need. The greenhouse manual can be downloaded for free [here](#).

Green Schools Digest-Free e-book

In this e-book you'll learn some of the leading sustainability strategies being employed by education facilities across the United States. From daylighting to onsite power generation to green cleaning, you'll glean new ways to make your school or university leaner, greener, and more attractive to environmentally-minded students and faculty, as well as your community. To download, visit https://eb.informabi.com/Green-Schools-Digest?code=UM_Email091318ACTIVE

School Seedling Program Now Accepting Applications

Are you an educator looking for exciting and hands-on ways to engage young people? DEC is here to help! Receive free trees or shrubs for your school or educational organization and inspire students by participating in [DEC's School Seedling program](#). Eligible organizations include all schools located within New York State (public, private, vocational, or college) as well as any youth education-based organization. Applying for the School Seedling program is easy! Simply fill out and submit the School Seedling Brochure and Order Form between **January 2nd and March 31st**. Each school or school-sponsored organization may apply once per year. [The application can be found on our website](#).

Bird Feeding: When is it Okay?

Besides local regulations that might limit the feeding of birds, many individuals question whether this is a good practice or does more harm. Consider the bird species' status, whether feeding changes its behavior and if you are providing an appropriate food. For discussion on the issue, visit <https://www.audubon.org/news/when-its-okay-or-not-feed-birds?>

Watch the NOAA TRASH TALK Webinar for Educators

In addition to the special feature video, this webinar provides fun activities that you can organize after the film! It's a perfect event for museums, zoos, aquariums, learning centers and schools. Find the [archived webinar and activities here](#)

Nominate Environmental Educators for a Green Difference Award.

Project Green Schools honors outstanding environmental education and STEM efforts in our schools and communities. Award winners include students, schools and teachers, as well as business, government, and community groups. [Click to Nominate a Green Difference Maker Today!](#) DEADLINE: **Friday, March 27th, 2020.**

Host the Green Olympics at your School

Project Green Schools is thrilled to announce the inaugural year of the [Green Olympics](#) sponsored by National Grid to be held in schools and communities around the country this Spring, and we invite you to be part of this new way to engage students, schools and communities in environmental action. Participants will compete in environmental games and challenges focusing on energy, waste, food/agriculture, water, climate change and air. Specific challenges will be framed by Project Green Schools along with the option to create custom challenges to show how you celebrate sustainability at your school/organization! Green Olympics events are environmental awareness and action programs with a fundraising component. You identify a project to “Green Up Your School/Community” and then money raised at the Green Olympics becomes a grant to fund your project and to further the cause of educating and supporting K-12 Environmental Education and Programs. Registration deadline: **March 30**.

Summer 2020 Case Studies in Science Workshop

The Summer 2020 Case Studies in Science Workshop will be held at University at Buffalo, State University of New York from **May 18-22**. The registration fee is \$975.00. Our five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. After the Workshop, we encourage participants to submit a case study to our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy, computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines. The workshop fee includes: workshop sessions, materials, University at Buffalo guest Wi-Fi while on campus, lunch Monday-Friday; dinner Monday-Thursday; and refreshments during the workshop; a copy of the book *Start with a Story* and a one year subscription to our case study collection answer keys and teaching notes. To register and for info, <https://sciencecases.lib.buffalo.edu/training/workshops/>

Greening Your Teaching Resources

Green Teacher magazine, an online, quarterly resource for educators, explores current topics in environmental education, outdoor activities, and educator resources. The articles and activities are written by teachers and focus on educating students 6-19 years of age. They offer a [sample issue](#) on their site that you can view.

In addition to their magazine, they offer free webinars, led by experts in the field, on a variety of topics. Visit [Green Teacher's](#) website to view webinars. Upcoming topics include teaching about climate change, garden-based education, and connecting STEM to Indigenous Science. Each webinar is free to attend, but advance registration is required. All registered participants will have access to the webinar for 30 days after it is published on the site.

Earth Day School Programs

If you and your students are interested in participating in an Earth Day activity in 2020, you can get resources like lesson plans, activity ideas, and planning tools! As an Earth Day School, you will connect to a global network of educators working for a better future. If you celebrate on April 22, or any other day in 2020, we are here to support all of your initiatives. Whether you're planning innovative class assignments or whole school events, sign up below to join the network. Register at https://action.earthday.org/earth_day_schools

Teacher's Resources

[Carbon Sequestration in Campus trees](#)-In this activity, students use a spreadsheet to calculate the net carbon sequestration in a set of trees; they will utilize an allometric approach based upon parameters measured on the individual trees. They determine the species of trees in the set, measure trunk diameter at a particular height, and use the spreadsheet to calculate carbon content of the tree using forestry research data.

[The National Wildlife Federation's Lesson Plans and Webinars](#)

[Audubon Adventures for Grades 3-6](#)

[Free environmental education resources](#) for Earth Day to help you organize your own environmental teach-in in your community!

[Sea Bear: A Journey for Survival](#)-The purposes of this S.T.E.A.M. based mobile project are to learn about the Arctic, practice research skills, build scientific communication skills, use fine motor skills, and encourage science, ocean and climate literacy.

[Interactive Website on Marine Life](#)-keep scrolling down until you hit the ocean floor to see/sea what lives at various ocean depths

[Climate of Change: Interactions and Feedbacks of Water, Air and Ice](#)-This module has a **positive focus on adaptations to climate change**. Activities provide students opportunities to think locally, regionally, and globally. They drive thinking about climate change and social vulnerability. This leads to better informed citizens, empowered to make more responsible decisions.

[The Nature of Teaching](#) includes formal standards-based curricula and informal activity-based curricula all centered around getting youth outside. The three program areas of the formal curricula include: Wildlife, Health and Wellness, and Food Waste. Each program area provides standards-based lesson plans free as a downloadable PDF. Lesson plans are classroom ready for grades K-12.

[Go Bats for Bats with Project Learning Tree](#)

[Marine Activities, Resources & Education](#)-Tap into your students' natural curiosity about the ocean to teach important science concepts while addressing Next Generation Science Standards!

[Exploring Sustainability in the Classroom](#)-will make your safari toward a sustainable school and world an enjoyable journey.

[Living Landscapes – Culture, Climate Science and Education](#) is a diverse collection of online resources and instructional materials for high school and college. What makes it unique is the perspective of native nations that is woven throughout and the blend of traditional indigenous knowledge and current climate science research that permeates the materials.

[H2O for Life](#) provides a service-learning opportunity for schools in the United States that helps teachers and students raise awareness about the [global water crisis](#) while taking action to provide funds for a water, sanitation, and hygiene education project for a partner school in the developing world.

[Reading Guide to Support Climate Education](#) will help you bring climate change books to your English/Language Arts classes, book clubs, science classes, and beyond. Climate change fiction and non-fiction books are included, along with book summaries, reading levels, discussion questions, and relevant news articles to bring the content to life.

[Plastic pollution and Cleanup](#)- This guide has been specifically designed to help anyone plan and host a successful and impactful cleanup event. Whether you are a youth or an adult, if you live near a beach, river, or lake, everyone has the ability to make a change. Every ounce of single use plastic prevention helps; even removing one piece of plastic from the ocean could save the life of an animal.

[E-STEM activity with Bird Nests](#)-summary of an activity learning about bird nests and building them with different materials.

[NOAA's Data in the Classroom](#)- students use real-time ocean data to explore today's most pressing environmental issues, and develop problem-solving skills employed by scientists. Access online and classroom-ready curriculum activities with a scaled approach to learning and easy-to-use data exploration tools.

[Climate Education Week](#): This Toolkit is a web-based, cross-disciplinary resource that includes a range of lesson plans and educational activities focused on the issue of Biodiversity. Teachers can utilize any or all activities from this Toolkit during Climate Education Week or anytime during the academic year!

[Animal Migration](#)- This activity guide is full of fun ways to learn about animal migrations in the US. Designed for elementary age kids, it can be used in a classroom as a worksheet or at home for some easy activity ideas.

[Racing Extinction](#)-Curriculum on endangered species.

[Y-PLAN](#) (Youth – Plan, Learn, Act, Now) is a unique, award-winning educational strategy that empowers young people to tackle real-world problems in their communities through project-based civic learning experiences. If you're an educator or civic leader outside of where we are currently working, we provide a free toolkit to do a "Do-It-Yourself" Y-PLAN.

Contests and Awards

[The Erie County Environmental Management Council's Environmental Excellence Award](#) is currently accepting applications. 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 the areas of 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. **Applications are due March 6th, 2020**, with an award ceremony on April 26th, 2020.

[Conservation X Labs](#) is seeking bold ideas for technology solutions to conservation challenges. Aimed specifically at projects teams that are considering their first prototype, the Con X Tech Prize is granting 20 prototyping awards of \$3,500 each to take your idea from blueprint to reality. Deadline: **April 2**.

[2020 Ocean Awareness Contest](#) -Students (11 to 18) are invited to create visual art (any medium), poetry, prose, music, film, or interactive and multimedia that explores the climate crisis, its impact on oceans, and the role of hope in creating transformation at local, national, or global scales. Students can submit as individuals or as a class, group, or club. Free to enter. Deadline: **June 15, 2020**.

Grant and Scholarship Opportunities

[Round 2 of the WNY Workforce Development Challenge \(WDC\)](#)- Applicants will be able to apply for at least \$250,000 through the \$11.5 million fund, which includes \$10 million from the Buffalo Billion II initiative and a new \$1.5 million contribution from the Ralph C. Wilson, Jr. Foundation. The WDC is open to not-for-profit corporations doing high impact, results-oriented workforce training that can demonstrate strong outcomes in training, job placement and retention across the five-county WNY region. Deadline is **Monday, March 2, 2020**.

[Value-Added Producer Grant \(VAPG\) program](#) -U.S. Department of Agriculture's (USDA) Rural Business-Cooperative Service VAPG supports farmers in the development of value-added producer-owned businesses, ultimately helping farmers earn a larger share of the retail food dollar. Deadline: **March 5, 2020**.

[Mark B. Bain Graduate Fellowship](#)- up to six full-time research fellowships to advanced graduate students conducting research on the Hudson River system. A fellowship awarded to a doctoral student will include a stipend consistent with the policy of the student's graduate institution, up to \$19,000 for one year, and an incidentals research budget of up to \$1,000. A fellowship awarded to a master's level student will include a stipend consistent with the policy of the student's graduate institution, in an amount of up to \$15,000 for one year, and an incidentals research budget of up to \$1,000. Deadline: **March 9**.

[Buffalo Commons Public Research Fellowships](#)-PPG and Buffalo Commons are seeking 2-4 Public Research Fellows for 2020. Fellowship will be open to faculty, adjuncts, and post-docs at Western New York universities and colleges as well as Cornell University. The fellowship will last between ten to eighteen months during which time the Fellow will, among other things: Research and write an original work, aimed at a general audience, on a topic related to an issue or in building civic capacity (this may or may not be a popular version of a more academic work); Present that work at one public event, coordinated by Buffalo Commons. PPG will pay the Fellow a stipend between \$2,500 - \$5,000 and will help promote and disseminate the Fellow's work. Deadline **March 13**.

[YSA's Youth Service Zone grants](#) offer organizations and schools an opportunity to work collaboratively to increase the youth volunteer rates in their community. Collaboratives of 3 organizations leading efforts in communities, regions, or states with at least 100,000 residents are eligible to apply. Each zone will receive a grant of \$15,000 (\$5,000 to each of the 3 collaborative leaders) to support program activities. Deadline: **March 27**.

[2020 Earth Day Grants](#) - The Air & Waste Management Association – Niagara Frontier Section (A&WMA-NFS) will again be awarding one or more grants worth up to \$500 each in honor of Earth Day 2020. The program promotes environmental awareness through creative and impactful educational activities and community engagement efforts. The grant is open to educational institutions and community organizations in New York State counties of Allegany, Cattaraugus, Chautauqua, Erie, Niagara, and Wyoming. Deadline: **March 27, 2020**

[WE ACT for Environmental Justice \(WE ACT\) Grants](#)-has been awarded a \$1,000,000 grant from the New York State Department of Environmental Conservation (DEC) to help build administrative, technical, and programmatic capacity of grassroots and community-based organizations working to achieve environmental justice and sustainability in low-income communities, communities of color, or underserved communities across the state. This will be done through a capacity-building grant program, in which WE ACT will award 18 grants – \$50,000 each, for a total of \$900,000 – to eligible groups throughout New York State's nine DEC regions. Deadline: **March 30**.

[Great Lakes Sediment and Nutrient Reduction Grants](#) to reduce nutrient and sediment loads from agricultural watersheds, and reduce untreated storm water runoff. Under this year's request, the grant will fund watershed scale and site specific projects. Deadline: **April 6**.

[2020 Preserve New York Grants](#)- open to 501c3 nonprofits and municipalities who steward historic buildings, or who are looking to do broad community preservation planning projects. Preserve New York generally funds between \$3,000 and \$10,000. Applicants are required to contribute at least a 20% cash match toward the total cost of the project. Deadline: **April 6**.

[Air & Waste Management Association - Niagara Frontier Section college scholarship](#) for full-time undergraduate students attending a college or university located within the New York State counties of Allegany, Cattaraugus, Chautauqua, Erie, Niagara, and Wyoming during the 2019 - 2020 academic year. Each scholarship is awarded for the 2020 – 2021 academic year only and is not renewable. Deadline: **April 10**.

[Compost Research Scholarships for College Students](#) to assist with their compost research projects. The scholarship is available for undergraduate through PhD students studying at a college or university in the United States. The scholarship is for \$4,000, and also includes an invitation to present research findings at the US Composting Council annual conference. Apply by **April 10, 2020!**

[Patagonia Environmental Grants](#)- We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. Deadlines: **April 30 and August 31**.

[Power of Youth Challenge](#) - Through the Power of Youth Challenge, teams of at least 3 youth ages 13-18 will receive coaching and support to develop their projects. Every team that signs up will have access to financial support in the form of mini grants of up to \$250. Deadline: **Ongoing through June 30**

[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. The Partnership offers communities the chance to apply for funding to support the acquisition of recycling carts, with the goal of expanding access to cart based recycling collection by converting bin or bag-based curbside recycling collection programs to cart-based collection, or by supporting the implementation of new curbside cart-based collection. **Deadline: Rolling.**

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

[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.**

[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.**

[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.**

[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. We maximize our effectiveness by providing grants for the purchase and restoration of land that connects existing habitat fragments, or that prevents isolation of habitat that would otherwise continue due to habitat loss. **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](#)-Everyday Young Heroes are 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.

[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.

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

[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

[Certified Organic Specialist](#)- Full-time, training provided. NOFA-NY. Travel required. Ideal start March 23.

[Senior Community Development Project Manager](#)-Full-time, will be a key member of BNSC's affordable housing and community development team.

[Youth Organizing Manager](#)-Full-time, will work with staff to help guide PUSH Buffalo's strategy to meeting its mission to mobilize residents to create strong neighborhoods with quality, affordable housing; to expand local hiring opportunities; and to advance economic justice in Buffalo.

[Grant Street Neighborhood Center Program Manager](#)-Full-time, The Grant Street Neighborhood Center Program Manager is responsible for the oversight and ongoing development of the Grant Street Neighborhood Center.

[Sustainable Landscape Coordinator](#)-Full-time seasonal, The PUSH Buffalo Sustainable Landscaping Coordinator oversees installation, propagation, and maintenance of green infrastructure, sustainable landscaping, and native plants on all PUSH properties. The Coordinator supervises a seasonal crew and ensures that all landscaping and safety protocols are being followed, while prioritizing the crew's tasks each day and week based on the weather and needs of PUSH.

[Sustainable Landscaper](#)-Full-time seasonal, The PUSH Blue Sustainable Landscaper is responsible for the cultivation and care of the landscaping and grounds surrounding PUSH grounds and around the City of Buffalo. This seasonal landscaper position including duties such as planting flowers, mowing, repairing structures, and maintaining outside the company properties.

[Taste NY- Market Manager](#)-Cornell Cooperative Extension of Erie County has an opening for a full-time Market Manager for Taste NY at the Western NY Welcome Center located on Grand Island, NY. Applications accepted online only through **March 5, 2020**.

[Invasive Species Management Assistants](#) (3) will implement invasive species prevention, early detection, management, and habitat restoration projects within the 8-county WNY PRISM region. They will conduct invasive species surveys and assessments, assist with priority invasive species removal and restoration projects, provide project reports and assist with outreach events such as tabling at farmers' markets and festivals. 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 4, 2020-September 30, 2020. The deadline for these positions is **Friday, March 6, 2020**.

[Education and Outreach Assistant](#) (1) will implement and expand our education and outreach programs. 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, organize, attend, and lead education and outreach events, develop invasive species educational materials, maintain detailed records, represent WNY PRISM at meetings and events, 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. The expected timeframe is May 4, 2020-September 30, 2020. The deadline for these positions is **Friday, March 6, 2020**.

[Boat Stewards/Environmental Educators](#) (16) and Lead Stewards (2) will interact daily with the public at boat launches. 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. Stewards will be responsible for public education and distribution of educational materials. Stewards will be assigned to a single launch, however coverage needs may require occasional travel to assist at other launches. Stewards will receive a mandatory two-day training prior to beginning work at their assigned sites. Timeframe for these positions is May 19, 2020-September 7, 2020. The deadline to apply for these positions is **Friday, March 13, 2020**.

[Biologist 1 Ecology/Trainee 1 & 2](#)- NYS DEC, Allegany. **Deadline: March 13.**

[Urban Farm Intern](#)- Learn about urban agriculture, permaculture, and more on our 1.25 acre urban farm nestled right in the heart of the west side of Buffalo. (stipend, commitment for the growing season, college credit optional). Applications due **April 1, 2020**.

[Upstate New York Climate Organizer](#) will liaise and coordinate with our coalition partners, including NY Renews, and mobilize and empower young leaders to build support for equitable and science-based climate policy in New York. Primary responsibility is to recruit, train, and support youth leaders from across upstate New York (priority regions include Buffalo) to reach campaign deliverables that advance climate policy in the state and build youth support for bold action. This is a part-time hourly position. Applications will be accepted on a rolling basis beginning January 15th, 2020.

[Summer Zoo Camp Counselors](#) The Buffalo Zoo is looking for Zoo Camp Counselors who would be required to work in teams of two to supervise groups of up to 16 campers each week during the Zoo's seven-week summer day camp program. Counselors will be responsible for overseeing the fun, safety, and wellbeing of campers as well as assisting with delivery of camp curriculum. Summer Zoo Camp runs from July 6 – August 21, 2020 from Monday through Friday, with a five-day training period in late June and/or early July 2020. Qualified applicants will possess an enthusiastic outlook and upbeat, fun-loving personality. College students majoring in Education, Biology or related fields are encouraged to apply. Counselor applicants must have experience working with children, and be available to work Mondays through Fridays from June 29 to August 21, 2020. The standard camp shift is 8:15 a.m.-3:45 p.m. with additional hours during one or two weeks of the summer to cover camp before and after care. This is a part-time non-exempt hourly position. Rate is \$12.25 per hour.

[Summer Zoo Camp Assistant Director](#) The Buffalo Zoo is looking for a Summer Zoo Camp Assistant Director who would be directly responsible for prepping and running the craft room, dealing with camper discipline issues, supervising camp counselor staff, and assisting the Camp Director as needed. The position starts mid-late June 2020 and runs through the end of August 2020. Summer Zoo Camp runs from July 6 – August 21, 2020 from Monday through Friday; with a five-day training period in late June and/or early July, and a five-day planning and prep period in mid to late June.

[LISC WNY Program Assistant - Operations - Part Time](#)

[LISC WNY Program Officer - Housing - Full Time](#)

[LISC WNY Program Officer - Livability - Full Time](#)

[Facilitator of Learning, Tiff Nature Preserve](#)-Part time. The ideal candidate is an energetic, education professional who will be responsible for facilitating learning experiences in a variety of settings, including the outdoors, for learners of all ages to promote life-long learning.

[Farm Crew Members at Root Down Farms](#)- involved in multiple aspects of the 300 member CSA farm including transplanting, hand weeding, hoeing, harvesting, washing and packing produce. You will also be working in the greenhouse and high tunnels seeding, turning beds by hand, watering, and trellising. Farm is in Clarence Center.

[Invasive Species Management Steward, Niagara Region](#)-The Student Conservation Association (SCA) in conjunction with NYS Office of Parks, Recreation and Historic Preservation is hiring an Invasive Species Management Steward to help map, remove, monitor and communicate about invasive species within selected parks.

[Special Programs Host: Aquarium of Niagara](#)-part-time, this position shall assist with the operations and functions of the Education Department of the Aquarium of Niagara.

[Animal Behavior Manager/Animal Keeper III](#)-Buffalo Zoo.

[Executive Director for WNY STEM Hub](#)- must lead, advocate for, coordinate and champion innovation through STEM by mobilizing key community partners in delivering transformational programs that initiate a lifelong passion for STEM learning and careers. WNY STEM Hub has an extensive regional network of cross-sector relationships, is an initiative of the United Way of Buffalo and Erie County, the UB Center for Integrated Global Biomedical Sciences, the Empire State STEM Learning Network and is recognized internationally as a STEM Ecosystem and as a Regional Partner of Code.org.

[Student Interns sought for the Nautilus Explorer](#)- paid intern on the *Nautilus* in 2020. Applications are open now for students! Applicants should be enrolled in or recently graduated from a community college, undergraduate or graduate program in ocean science, technology, or related fields.

[Americorps Vista](#)-Serve Buffalo community for one year, earn living allowance, limited health benefits and educational award. Email jdahir@city-buffalo.com for info.

[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

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

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

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

[Other Citizen Science Programs](#)

Upcoming Community Activities:

Saturday, February 29

Family Nature Quest: Snowshoe Walk-11am. Join us for a morning snowshoe walk along the trails as we look for signs of wildlife. Snowshoe rental: \$5/\$2 for Friends members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Spring Gardening Seminar: Seed Starting -Free with registration. 2pm at Grassroots Gardens, 389 Broadway, Buffalo 14204. To register, email info@urbanroots.org or call 716-362-8982.

Leap Day Fun Day – 10 to 11:30am. Join Naturalist Mark Carra at Beaver Meadow for an extra good time hiking on this extra day of the year. Let's learn about who is and isn't sleeping through the winter and make a frog craft. Preregistration is required. **585-457-3228**. \$6.

Backyard Birds and Birdfeeders – 1 to 3pm. Join Naturalist Tom Kerr at Beaver Meadow Audubon Center for a birdfeeder demonstration and learn about the common birds that frequent our backyards. All participants will receive a coupon good for 30% off a birdfeeder or bag of birdseed in the Beaver Meadow Gift Shop. Preregistration is required. \$5. **585-457-3228**.

A Stroll at the Falls-10am to noon at [Niagara Falls State Park](#). Come out and enjoy a winter wonderland with friends and family! With the chill in the air and ice on the falls, take in this natural wonder that amazes us all. Weather permitting, the adventure will be taken on snowshoes. *For information & registration call (716) 282-5154.*

Horticulture 3 Classes-11am to 1pm at Buffalo & Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Participants will refresh their gardening skills, learn new concepts and ideas and explore the botanical world with classes designed and led by David R. Clark, horticulturist and CNLP. These classes are great for beginners or gardeners wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. Horticulture III and IV will be offered in 2020 and Horticulture V and VI will be offered again in 2021. The cost is \$20 per class or \$100 for the series for Botanical Gardens members and \$25 per class or \$125 for the entire series for the general public. Topic: Small Space and Urban Gardening. Registration is available [online](#).

Birding on the River-10am to 11:30am at [Beaver Island State Park](#). Join us as we seek migratory waterfowl and other winter birds found along the Niagara River. We'll visit the lagoon overlook as well as a few other viewing areas in Beaver Island State Park. *For information & registration call (716) 282-5154.*

Annual Spring Bloom Classes-9 – 2:30. Topics: Gardening Through the Seasons, Care of Trees and Shrubs and Backyard Beekeeping. Cost \$25 for Master Gardeners and \$30 for the public. Register online at: https://reg.cornell.edu/InBloom_214 or call Jolie at CCE, 652-5400 ext: 176. Cooperative Extension in E Aurora.

Signs of Change- Chestnut Ridge Park | 6121 Chestnut Ridge Road, Orchard Park, NY 14127| 10:00 AM | Casino. Spring may still feel like a long way off, but things are slowly beginning to change. Join Ranger Chuck as he looks for signs of the coming spring. Bring your pack and water, dress for the weather, and be prepared to walk for at about 2 hours.

Wilderness Stories-1:00pm-3:00pm at Orchard Park Public Library. Hear tales of Earth Spirit Excursions' most recent adventures, learn about wolf, bear, and other megafauna, and ask questions about upcoming experiences! Light refreshments will be provided. The views expressed are solely those of the author/speaker/presenter and do not necessarily reflect the views of, and should not be attributed to, the Orchard Park Public Library. FREE PROGRAM. Pre-registration necessary. Register online at earthspiritedu.org or call us at (716) 941-6267.

2020 Vision: Climate Leap Forward-A Forum to Meet the Climate Crisis from 9 AM – 3 PM at Westminster Presbyterian Church • Buffalo. Cost: \$10, Students: \$5, *Lunch provided*. The Bible calls communities and nations to preserve the earth. A leading voice for climate responsibility, The Rev. Dr. Jim Antal, will share models for activism in the church across the nation and explore with us the climate challenges to Western New York. We will discern how God calls us to collective action and send participants back to their congregations to encourage commitment and action to climate justice. <https://westminster-events.org/event/2020-vision-climate-leap-forward/>

Sunday, March 1

Snow Roll at Roosevelt Playground-3pm. Our fourth and final monthly *Snow* Roll brings us Roosevelt Playground between Suffolk and Edison Streets, as part of our partnership with the City of Buffalo on Wintermission, a project led by the Toronto-based 8 80 Cities Foundation to combat social isolation and increase levels of physical activity in winter for all residents, no matter their age, ability, socio-economic, or ethnocultural backgrounds. Before the ride, get a free pair of light gloves from our presenting partner Independent Health. Meet at 2:30 - ride at 3 pm - return to the park for food, drinks and fellowship, stay tuned for more!
<https://gobikebuffalo.org/events/calendar/event:03-01-2020-3-00pm-snow-roll-at-roosevelt-playground/>

Buffalo Area Daylily Society-2pm, Aurora Senior Citizens Center, 101 King St., East Aurora. Tom Smoulder, a member of the group who also has an extensive hybridizing program in Warren, PA will show fabulous flowers and his techniques. Some members will make soup for this Souper Bowl meeting. Others are asked to bring cookies or bread.

Monday, March 2

Bowmansville Garden Club- 7 p.m. in the Bowmansville Fire Hall, 36 Main St., Bowmansville. Jamene Kosowski will present ideas on how to avoid chemicals, waste less and reuse more. She will also have some of her products from Norwex and Purhaven available for sale. Since spring is right around the corner, this is also a great time to join a garden club. If you are interest in attending the meeting or joining the club, please contact Lynne Lowery at llovery@sprintmail.com or 716-290-9617. All are welcome.

Tuesday, March 3

Center for the Study of Art & Architecture; History & Nature 'IMAGINE' Lecture & Discussion Series- Free and open to the public. Noon – 1:00 p.m. Buffalo & Erie County Downtown Public Library, 1 Lafayette Square, Buffalo, 716-858-8900, 'Ring of Knowledge' (next to Fables Café). For talk subject of the week, visit <http://imaginelifelonglearning.com/lecture-series-winter-2020-schedule/>

Wednesday, March 4

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at Erie County Public Works, 95 Franklin St., Buffalo All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Counter/Culture Lecture Series: - 6 pm - 7:30 pm, Hayes Hall 403. The spring 2020 series focuses on the theme of institutional and cultural bias and features a lineup of powerful thought leaders across our disciplines. Speaker: Ashley Nickels, Political Scientist.

The Foundry Open Tours-Open tours for the public every Wednesday evening at 6pm. Come learn more about youth & adult classes, membership options in our makerspaces or learn more information about how YOU can become a tenant and grow your small business with us. No need to RSVP, just stop by! 298 Northampton Street, Buffalo.

Behind the Scenes Collection Tours: Geology Rocks - 6 to 8pm at Buffalo Science Museum for ADULTS 18+, \$25 per participant (includes admission). Go behind the scenes to see what few have seen and explore the Museum's Collection. Tours are approximately two hours in length. Register online or by phone at least one week in advance. Come behind the scenes and see the rock cycle, marvel at our minerals and discover our large fossil collection. [register](#)

Womxn's BikeFest Fundraiser-6 to 10pm at Community Beer Works. Come support the Womxn's BikeFest! With a 50/50 raffle, basket raffle, and a free tater-tot bar, this is a fundraiser you don't want to miss! More information [here](#).

Precision Agriculture Series-1:00 PM - 3:00 PM. Interested in learning more about how Precision Agriculture can be implemented on your farm? Learn More at https://reg.cce.cornell.edu/Precision_Ag_Erie_214. Dard Hunter Hall (in the Print Shop), Roycroft Campus, 21 South Grove Street, East Aurora, New York 14052.

Teachers Workshop on Climate Science- 8am to 3pm at Hilton Garden Inn Buffalo Airport, 4201 Genesee St Buffalo. The National Energy Education Development Project (NEED) and National Fuel are pleased to provide this free workshop for 5th-12th grade teachers. This workshop is provided through funding from National Fuel. Sub reimbursement Provided, Lunch and continental breakfast provided, Hands-on Kits and Materials Provided and Professional Development Credit Available (6 hours CTLE100). To be eligible, your school must be in the National Fuel service territory. For more information: nyworkshops@need.org 1-800-875-5029

Thursday, March 5

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Batavia Garden Talk Series- Master Gardeners of Cornell Cooperative Extension of Genesee County at the extension office, 420 E. Main St., Batavia. All Garden Talk programs run from 12:15 to 12:45 p.m. Take your lunch. The series is free and registration isn't needed. Topic: ["Soil Blocking for Seed Starting."](#) Learn about an indoor seed-starting technique called soil-blocking. This unique method allows gardeners to produce twice as many vigorous seedlings in about half the space of traditional seed starting methods. The seedlings grow in a free-standing block of growing medium. That's right — no containers! The space between these blocks "air prunes" the roots, so plants do not become root bound and are also easier to transplant.

Tropical Glass Terrarium Workshop- The Buffalo and Erie County Botanical Gardens will host at 6 p.m. Thursday, March 5 at 2655 South Park Ave., Buffalo. Participants will build a terrarium for a great friend get-together. Add some crafty elements for a truly special piece. Organizers ask that participants bring gloves and a box for transporting the finished creation. The cost is \$20 for Botanical Gardens members and \$25 for the general public. Registration is available [online](#).

Precision Agriculture Workshop Series-10am to noon at 4-H Training Center, auditorium, 4487 Lake Avenue, in Lockport. Free with registration to Amanda Henning at 433-8839 ext. 231 or by emailing her at app27@cornell.edu** The educational goal of Extension is assisting producers to adopt innovative and proven technologies in crop production to enhance water quality, soil health, environmental quality, and farm profits. Cornell Cooperative Extension of Niagara County will be offering three sessions to help producers learn more about Precision Agriculture.

Land Use, Green Code, and Zoning Workshop-12 to 2pm at Buffalo Commons Classroom, 617 Main Street, Suite 300/Floor 3R, Buffalo, NY 14203. Join Partnership for Public Good and learn how to level the playing field in development and zoning matters in our communities. This workshop will feature Jessie Fisher, Executive Director of Preservation Buffalo Niagara and Art Giacalone, Land Use and Zoning Attorney on how individuals and groups in Buffalo and Erie County can understand land use and zoning law, terminology and procedures so they can more effectively express their concerns about proposed projects or changes. These laws are designed to promote public health, safety and welfare, and to protect and enhance the physical and visual environment. To RSVP, email buffalocommons@cornell.edu.

Friday, March 6

Buffalo's Olmsted Parks Coffee for PARKners- 7:30 to 9:30am. Enjoy a complimentary cup of coffee on us on Friday morning, for the first PARKner event of 2020. Interact with community outreach manager, Zach Garland, and director of advocacy and planning, Brian Dold, and learn about ways to get involved in your Olmsted Parks. Roots Coffee and Tea, 1685 Hertel Ave, Buffalo, NY 14216. Free coffee available on a first come first served basis. For questions, please email Sarah@bfloparks.org or call (716) 838-1249, ext. 18. See you there!

Seminar for Great Lakes Center and Buffalo State College Biology Department- All seminars are on Fridays at 2:00 p.m. in Bulger Communications Center room 214. Speaker: Dan Baldassarre, SUNY Oswego, "Linking, behavior and biodiversity in birds".

Saturday, March 7

Spring Gardening Seminar: Hellstrips -Free with registration. 2pm at Massachusetts Avenue Project, 387 Massachusetts Ave, Buffalo 14213. To register, email info@urbanroots.org or call 716-362-8982.

Beaver Meadow Owl Prowl – 7:30 to 9:30pm. Join Naturalist Tom Kerr as we continue to search for owls after dark at Beaver Meadow. We'll be calling for the Eastern Screech-Owls and the Barred Owls that make their home in our 400 acre preserve. Meet at the Nature Center. Pre-registration is required. \$7. Ages 8+. 585-457-3228.

Winter Tree ID- Emery Park| 2084 Emery Road | South Wales, NY 14139 | 10:00 AM | Ski Lodge Parking Lot Join Erie County Park Ranger Roy for another try at identifying tree species when the leaves have fallen. We will look at a few different ways to see who's who in the forest with different clues. Wear winter boots and dress for the weather.

A Stroll Through the Woods-10am to noon at DeVeaux Woods State Park. Walk through the cool winter air in the old-growth woods of DeVeaux Woods. After, we will mingle and enjoy a slide show of picturesque parks changing through seasons, and sip on hot cocoa. For information & registration call (716) 282-5154.

Woods Walk: Nature Guide's Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Owl Prowl-7pm. Learn about local owls indoors, then venture out on a guided walk to search for owls in the woods. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Stella Niagara Snowshoe- [Register](#). 10:00 am – 12:00 pm at Stella Niagara Preserve, 4214 Lower River Rd Lewiston, NY 14092. Free.

Old First Ward Shamrock Run for Land Conservancy- Noon. The Land Conservancy is running in the Old First Ward Shamrock Run this year and we'd love for you to join us. We're offering free Land Conservancy beanies to Land Conservancy members who register. Meet us at Louisiana St. and Republic St. at 11:30 to receive your hat and to take a group photo with us. Register for this event [here](#).

28th Annual Rural Landowners Workshop- [info](#) 9 a.m. – 3 p.m. at Pioneer Central School, 12145 Countyline Rd., Yorkshire. The workshop is a regional program involving several agencies that provide educational information and outreach to landowners. Presenters are brought in from both private and public sectors to provide participants with up-to-date information. The fee is \$30. For more information, contact Lynn Bliven at 585-268-7644, extension 18 or lao3@cornell.edu.

Hemlock Tree Conservation Program at Allegany State Park- 9:30am-12:30pm. Join partners of the High Allegheny Hemlock Conservation Partnership and Allegheny Forest Health Collaborative at Allegany State Park for an event focused on the invasive pest known as Hemlock Woolly Adelgid (HWA) which is threatening our native Eastern Hemlock Trees. This collaborative will lead a training session at Camp Allegany near Red House Lake from 9:30am-12:30pm. A classroom training session will be followed by a hike to a nearby site to survey for HWA. This program is free of charge and all are welcome to attend! For more information please visit www.rtpi.org or contact hwa@rtpi.org.

Sunday, March 8

The Music of Nature: Bird Sound-1 to 3pm at Roycroft Campus Visitors Center. Our own sense of music is rooted in the sounds of the natural world. Likely there is nothing more musically inspiring to humankind than the sounds which emanate from our feathered friends, the Birds. In this lecture, we'll discuss the various avian sounds and vocalizations, paying special attention to their meaning and purpose. We'll delve into cross-species "language" and spend a bit of time reveling in the beauty these amazing beings bring to our existence. You'll come away ready for the return of bird song as the seasons progress. [Register](#).

Monday, March 9

Full Moon Walk-7:30pm. Enjoy a guided walk in the woods by the light of the full moon. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Cheektowaga Garden Club- 6:45 p.m. in room 136 of Cleve-Hill Elementary School, 105 Mapleview Rd., Cheektowaga. The parking lot and access is in the rear.

Tuesday, March 10

Niagara Frontier Botanical Society: "A History of NY State Forests"-7:30pm. Speaker is Matthew Nusstein, park naturalist in Niagara region of the park system. Harlem Rd. Community Center, 4225 Harlem Rd. Free and open to the public.

Fun Facts with Kelly: Nature Trivia Edition-6 to 7pm at DeVeaux Woods State Park. Come one, come all! Play trivia to learn about all things nature! From trees and flowers, to mammals and reptiles. Test your knowledge and compete to win, Family Feud style! For information & registration call (716) 282-5154.

ADK Meeting-6:30p - 7:15p | Education Workshop: What does it take to be a Winter Mountaineer? Learn from three Niagara Frontier Chapter members who just completed the Adirondack Mountain Club's Winter Mountaineering School (WMS) program in the High Peaks area. Our workshop is in the community room adjacent to the main meeting room, 6:30pm. 7:00p – 7:30p | Meet, Greet, & Refreshments!! 7:30p – 7:45p | Brief Business Meeting 8:00p – 9:00p | Presentation: Buffalo Niagara Waterkeeper We are looking forward to hearing from the non-profit organization that works to protect and restore water and surrounding ecosystems in the Niagara River watershed. Fellowship Hall, Amherst Community Church, Washington Hwy., Snyder. Park in rear and enter thru back, to 2nd floor.

Trees by Flashlight-7 to 8:30pm. Meet the trees of Tiff Nature Preserve under the blanket of night and illuminated by flashlight! Take-home your own winter tree guide with real specimens, after an indoor workshop and outdoor night tour. Learn how to force tree buds and discover key identification features in this unique hands-on guided setting. Great for teachers, scout leaders, and tree lovers! *Bring your own flashlight. No headlamps please. Delicious refreshments provided. Advance registration required.* [register](#). Adult program.

National Geographic Live: Nature Roars Back-7pm at Kleinhans Music Hall, Buffalo. Experience an epic African wildlife park through the eyes of an Emmy Award-winning natural history cinematographer. A childhood in East Africa gave Emmy Award-winning cinematographer Bob Poole a fierce curiosity about the natural world as well as an adventurous spirit. For a six-part PBS/Nat Geo International series, Bob drew on that experience to document the rebirth of a lost Eden: Mozambique's Gorongosa National Park, a jewel of Africa's parks system until civil war almost destroyed it. Tickets are \$75 for a VIP experience that includes reserved seating and an invitation to a pre-event reception; \$35 for general admission; and \$15 for students. A two-event *National Geographic Live* package is available for \$140 VIP; \$60 general admission. [Click here](#) for more information. 3 Symphony Circle, Buffalo.

Buffalo Walk: One Seneca Tower – Join Working for Downtown for a tour of the Seneca One Tower. Come and see the many changes that have taken place to the property over the past two years since Douglas Jemal has owned the building. Learn about the grand vision he has for the building and what is next on the to-do list. Tour the new apartments, office space, available retail and restaurant areas, and common area space. Registration at 5:15 PM and the tour will begin promptly at 5:30 PM, rain or shine. [REGISTER HERE](#)

Wednesday, March 11

The Vaughan Lecture- Buffalo Museum of Science ([map](#)) at 7:00 PM. Dr. Patricia Wright (SUNY Stony Brook primatologist, anthropologist, and conservationist) will lecture on the now-extinct Elephant Bird of the Island of Madagascar - a topic well-connected to the recently re-discovered BMS elephant bird egg specimen.

Counter/Culture Lecture Series: - 6 pm - 7:30 pm, Hayes Hall 403. The spring 2020 series focuses on the theme of institutional and cultural bias and features a lineup of powerful thought leaders across our disciplines. Presenter: **MASS Design Group**, Clarkson Chair in Architecture Public Lecture.

Wild Wednesday-4:30 to 5:30PM. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity. For children in grades K-5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

The Foundry Open Tours-Open tours for the public every Wednesday evening at 6pm. Come learn more about youth & adult classes, membership options in our makerspaces or learn more information about how YOU can become a tenant and grow your small business with us. No need to RSVP, just stop by! 298 Northampton Street, Buffalo.

Buffalo's Outer Harbor: The Right Place for a World-Class Park-5:30 to 7:30pm at WNED Buffalo Auditorium, 140 Lower Terrace, Buffalo. Presentation by Sam Magavern, Senior Policy Fellow at Partnership for the Public Good.

IC Success Connect Buffalo Networking-6:30 to 9pm at dig at the Innovation Center, 640 Ellicott St., Buffalo, NY. You are cordially invited to join BNMC and Connect Buffalo -- a brand that bridges the gap between the community, professionals and information through seminars, community events and networking mixers -- at their first networking event of the year as BNMC kicks off its 2020 IC Success entrepreneurial push program!

[register](#)

Thursday, March 12

Winter Speakers Series with Explore Buffalo-7 to 9pm at First Presbyterian Church, Symphony Circle. Check speakers/topics at <https://explorebuffalo.org/winter-speaker-series/>.

Wellness Walks-10:00am - 12:00pm. Drop by Tift Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Buffalo Green Drinks-5:30-7:30 PM at : Community Beer Works, 520 7th St, Buffalo, NY 14201, \$5 Core Beers (Frank, The Whale, That IPA, Let's Go Pils, Alpaca Porter). [info](#). Questions? Contact: Misty Dosch misty@girvinoffice.com

LEAF 2020: An Intro to Growing Berries- Hosted by Cornell Cooperative Extension in Chautauqua County from 6 to 8 p.m. in room 120, Carnahan Center, Jamestown Community College, 525 Falconer St., Jamestown. Growing berries successfully takes some planning and correct preparation. This course will go over the basics of site selection and preparation for the common berry crops. The fee is \$5 per person. [Register online](#) or contact Lucy at 716-664-9502 ext. 209 or lpc33@cornell.edu.

Guided Tour: Women Bird Walk Series-8:30 to 9:30am at Tift Nature Preserve. [register](#). \$6 per participant* | Ages 18+. Beginner to experienced woman birders are invited to join us for a welcoming, guided bird walk on the Preserve's trails. Binoculars and introduction to birding provided. *Advance registration required.*

Friday, March 13

Seminar for Great Lakes Center and Buffalo State College Biology Department- All seminars are on Fridays at 2:00 p.m. in Bulger Communications Center room 214. Speaker: Alicia Perez-Fuentetaja, SUNY Buffalo State, "A recent invader finds its ecological niche in the Great Lakes: *Hemimysis anomala*, the bloody red shrimp".

Saturday, March 14

About Boating Safely-8 hr boating course in Hamburg. Contact reiner7@verizon.net. [Info](#).

Spring Gardening Seminar: Container Gardening -Free with registration. 2pm at Urban Roots, 498 Rhode Island Ave, Buffalo 14213. To register, email info@urbanroots.org or call 716-362-8982. Full-call about waitlist.

Master Gardener Education Day- Classics V on Niagara Falls Blvd., 9-3. The cost is, \$45 for MG's out of county and \$55 for the public. Hot buffet lunch included. There will also be an excellent basket raffle and book signing. There are 2 excellent speakers who you won't want to miss: Joseph Tychonievich and Joseph Han, the founder of The English Gardener. Register online at: <https://reg.cornell.edu> or call Jolie at CCE, 652-5400 ext: 176.

Horticulture 3 Classes-11am to 1pm at Buffalo & Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Participants will refresh their gardening skills, learn new concepts and ideas and explore the botanical world with classes designed and led by David R. Clark, horticulturist and CNLP. These classes are great for beginners or gardeners wishing to brush up on their skills. Those who complete each series will be presented with a certificate upon completion. Horticulture III and IV will be offered in 2020 and Horticulture V and VI will be offered again in 2021. The cost is \$20 per class or \$100 for the series for Botanical Gardens members and \$25 per class or \$125 for the entire series for the general public. Topic: Beneficial Insects and Pollinators
Registration is available [online](#).

Cabin Fever Series: Daredevils of Niagara-10 to 11:30am at [Niagara Falls State Park](#). This month's presentation: Daredevils of Niagara! "Come one, come all!!" A fascinating look at stunters of the past, and the perils they faced to find fame at Niagara Falls! For information & registration call (716) 282-5154.

Pollinator Awareness – 10 to 11:30am. Join Naturalist Mark Carra for “Learn About Butterflies Day.” From the first butterflies to fly in the spring to the great Monarch migration. What plants do the caterpillars eat and which plants do the adults drink from. We’ll also do a butterfly craft. Preregistration is required. \$6. Family friendly event. 585-457-3228.

Yoga & Hiking at Beaver Meadow – 10am to 2pm. Join Spencer Jones Yoga for a mindful adventure into the autumn wilderness of Western New York with Yoga and Hiking! A beginner friendly two hour hike through the gentle hills and old growth forest of Beaver Meadow Audubon Center, followed by a 75minute Vinyasa style flow in the nature center. For more information, visit: <https://www.facebook.com/spencerjonesyoga/>

Saw-whet Owl Search – 3 to 5pm. Join Naturalist Tom Kerr on a search for roosting Saw-whet Owls at Beaver Meadow Audubon Center! Saw-whet Owls are the smallest owl in New York State, and they are migrating through our area on their way north this spring. Meet at the Nature Center. Pre-registration is required. Binoculars are available. \$5. 585-457-3228.

Buffalo Bonsai Society-1 p.m. in STEM Building Room 102 on the Erie Community College North Campus, Youngs Road Williamsville. The meeting will include a presentation by Hank Miller. Membership applications and more information about the Bonsai Society are available on its [website](#).

Make a Reusable Bag-2 to 4pm. Stop in any time with an old t-shirt and we'll help you transform it into a reusable shopping bag! No registration required; call 716-683-5959 for more information. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Introduction to Maple Sugaring - 9:00 am to 4:00 pm. Learn how to tap a maple tree, collect sap, and boil it down into maple syrup in this hands-on workshop. [Click here for more information](#). Introduction to Maple Sugaring. This course, instructed by Scott Schotz and Sara Miller, will teach participants the basics of maple sugaring. Participants will learn how to tap a maple tree, collect sap, and boil it down into maple syrup. Everyone will get a chance to take home a small sample of what we made for the day. \$50 Members, \$80 Non-Members
Please fill out the [Class Registration Form](#) and email to edu@bnhv.org

“A Brief History of Watercraft Design”-10AM, at the Buffalo Maritime Center (90 Arthur St.), talk by Dr. John Montague. He’ll begin by illustrating the basic principles of how boats work and how their functions and forms are reflections of their cultural contexts. He’ll then discuss and demonstrate how builders addressed the fundamental challenge to make their boat float . . . and how to keep it afloat! John will trace the evolution of methods of propulsion, techniques of directional control (the rudder) and explore the effects of available materials, construction techniques, local geographical and maritime conditions and cultural milieu. Free, but a \$5 suggested donation at the door. Space is limited to 75 seats, so [click](#) to reserve your seat/s today.

WNY Science Congress- 9:30am to 3pm. [WNY Regional Science and Engineering Fair](#), D’Youville College, Buffalo, NY. <http://wnysc.org/regional-fair/>

Hemlock Woolly Adelgid (HWA) Survey & Detection Training-10:30 AM - 1:00 PM at Emery Park Field House, 2084 Emery Rd, South Wales, NY 14139. REGISTRATION IS REQUIRED FOR THIS EVENT! [REGISTER HERE](#). 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 countless 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 important way we can help preserve our hemlock forests. The early detection of emerging infestations is a great way to do this, but we need volunteers like you to help! This event will feature an indoor education event, then we will head outside to learn to survey for and identify Hemlock Woolly Adelgid in the field. Attendees are encouraged to dress appropriately for the weather and wear warm, sturdy footwear.

Close Encounters of the Planetary Kind-11:00 a.m. - 2:00 p.m. | All Ages | Included with Buffalo Science Museum admission. Watch the solar system pose for a group photo! In the early morning skies of mid-March, the planets Mars and Jupiter will appear as bright points of light next to our moon. Drop by for indoor astronomical activities to learn more about this rare occurrence.

Sunday, March 15

GObike Buffalo Community Workshop: Basic Maintenance- This class is an introduction to your bike. We'll cover all the little things that your bike really loves, like where and when to oil it, how to make small adjustments to keep your ride smooth, preventive maintenance and best practices. We also cover what everything is on your bike and how to troubleshoot those mystery noises. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 5:30pm-7:30pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Monday, March 16

Maker Monday-Join us on Mondays for hands-on STEAM activities. All ages. No registration required. 4:00pm - 5:00pm at Lancaster Public Library.

March Maker Mondays-Geared for children ages 6-12 these Maker events are configured to inspire design thinking. Each program will provide a challenge and offer a space for individual or group problem-solving. 4:00pm - 5:00pm at Full Room, Clarence Public Library.

Love Your Block Grant Writing Workshop-Assistance to community organizations for applying for mini-grants. Sponsored by Buffalo Love Your Block, for more information contact Dominic DiFiglia at (716)851-5515. 6:00pm - 7:30pm at Meeting Room, Frank E. Merriweather, Jr. Branch of Buffalo & Erie County Library.

Ag Literacy Week Story Program-Story program hosted by the Cornell Cooperative Extension Services. Learn where food comes from and its journey to your plate. Featured book is, Right This Very Minute: a table-to-farm book. 6:30pm - 7:30pm at Newstead Public Library.

Tuesday, March 17

Toddler Time: Sweet Shamrocks – 10 to 11:15am. 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. \$3 per child. Ages 2-4. 585-457-3228.

What the Frick is in our Water?-7pm in Schenck Hall, Room 202, Daemen College. WNY Meteorological Society hosts a talk by John Cunningham on algal blooms and their weather-related causes for Lake Erie and the public health concerns.

Little Tykes Mini Nature Camp- Tift Nature Preserve. [register](#). 9:30 - 11:30 a.m. | \$7 per child with adult* Ages 3-5. Enjoy a morning of fun and exploration in our early childhood classroom. Storytime, crafts, outdoor investigation and more help to foster the nature explorer in your child. A different theme each month. Kid-friendly snacks provided! *Advance registration required.*

African Violet and Gesneriads Society of WNY- 7 p.m. at the Greenfield Health and Rehabilitation facility, 5949 Broadway, Lancaster. The topic will be “Interpretive Plant Arrangements.” Contact Judy Oneil at judyoneil1945@gmail.com for detailed directions

Wednesday, March 18

Senior Stroll-10am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

WGRZ 2 The Outdoor Forum: Springing to Life-7:00 - 9:00 p.m | FREE | Ages 8+ at Tift Nature Center. After a long winter’s rest, animals of all types are returning to life. But where have they been? How do they manage to survive such severe conditions? How do some of them come back from such a long slumber? Find out at the next 2 The Outdoors Forum! For more information please contact Terry.Belke@wgrz.com

“Fluorescent Minerals”-7pm. Approximately 4,000 different mineral species have been identified at this time. Over 500 of them are known to fluoresce visibly in some specimens. Dino Zack, PG, will discuss the various types of luminescence with a detailed explanation of mineral fluorescence. Fluorescent rock and mineral specimens from New York State, as well as world-know locations, will be on display and used to demonstrate the many types of luminescence including fluorescence, phosphorescence, triboluminescence, thermoluminescence, and tenebrescence. An illustrated presentation with mineral specimens, in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd., Blasdell, NY 14219. FREE for Penn Dixie members and \$4 for the public. No registration needed.

The Foundry Open Tours-Open tours for the public every Wednesday evening at 6pm. Come learn more about youth & adult classes, membership options in our makerspaces or learn more information about how YOU can become a tenant and grow your small business with us. No need to RSVP, just stop by! 298 Northampton Street, Buffalo.

Wreathed in Reading- 6:00 - 7:30 p.m. at the Buffalo Science Museum. Adults. Back by popular demand! Create a book wreath to leap into spring and melt away those winter blues. Take a look through a wealth of out-of-date science and culture texts to roll and build your own unique decoration. *All materials included, BYO also welcome.* [register](#)

Plantasia- WNY’s premier garden and landscape show at the Fairgrounds, 5820 South Park Ave., Hamburg. Preview night-5:30 to 8pm. In its 20th year, Plantasia has chosen a theme of “Reflections.” A garden reflects the personality of the owner, the time in which it was created or our thoughts of beauty. Reflections of Plantasia will welcome you with warm memories from the past 20 years, along with glimpses of new ideas. Wander through beautiful gardens. Pause and reflect on water features and intriguing outdoor living spaces in a spectrum of colors, all created with plants and flowers. Join the Plantasia landscapers for their gardens of Reflections. [info](#)

Thursday, March 19

Vernal Adventure-10 to 11:30am at [Woodlawn Beach State Park](#). Shake off your winter blues and venture out for the vernal equinox to search for signs of spring. For information & registration call (716) 549-1050.

Wellness Walks-10:00am - 12:00pm. Drop by Tift Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Beakers & Beer- Buffalo Niagara Medical Campus Networking event from 4:30-6:30pm at dig at the Innovation Center. Free, but register. <https://www.eventbrite.com/e/beakers-beer-tickets-93807122629>

LEAF: Interpreting Soil Sample Reports- 6 to 8 p.m. at Carnahan Center, Jamestown Community College, 525 Falconer St., Jamestown. Topics to be covered include why it's important to sample soils, how to take a soil sample, the difference between a pH test and a full analysis soil sample, and how to read a soil sample report. There will also be a hands-on portion that will include a demonstration on using the Cornell pH Test Kit, practice examples on how to determine fertilizer and lime application rates based on your sample report, and how to determine your soil type. Participants can pay either \$5 (covering just the course materials) or \$20 (which will include a voucher for a free soil sample at a \$20 value). The workshop will be led by Josh Putman, Field Crops Specialist with Cornell Cooperative Extension's Southwest NY Dairy, Livestock and Field Crops Regional Team. For more information, contact Emily Reynolds at eck47@cornell.edu or [716-664-9502, ext. 201](tel:716-664-9502).

Community Discussion on the MLK Monument-6:00 pm - 7:30 pm. This community meeting will address the following: (1) Background on the Park: the Five Year Plan for MLK Jr. Park, (2) Vision for the Future of the MLK Monument in MLK Jr. Park: Repairs, Improvements, New Ideas. Merriweather Library, 1324 Jefferson Ave. [Click here to view the Facebook event!](#) RSVP OR QUESTIONS: Email Zach@bfloparks.org or call (716) 536-1123.

Volunteer Open House at Tifft Nature Preserve- 10am to noon. Free, ages 18+. Share your love of nature with our community's children and adults! Volunteer Tour Guides are needed weekday mornings and Volunteer Greeters are needed weekends. *Advance registration required.* [register](#)

Plantasia- 10am to 9pm. WNY's premier garden and landscape show at the Fairgrounds, 5820 South Park Ave., Hamburg. Preview night-5:30 to 8pm. In its 20th year, Plantasia has chosen a theme of "Reflections." A garden reflects the personality of the owner, the time in which it was created or our thoughts of beauty. Pause and reflect on water features and intriguing outdoor living spaces in a spectrum of colors, all created with plants and flowers. Join the Plantasia landscapers for their gardens of Reflections. [info](#)

Earth Optimism-Erie County Bring your Own Bag Coalition celebration for single use bag ban from 4 to 7pm at Resurgence Brewing, 55 Chicago St., Buffalo. Presentation at 4pm followed by social. Refreshments available via cash bar and menu. RSVP Eventbrite link: <https://www.eventbrite.com/e/earth-optimism-celebrating-the-change-we-made-in-new-york-tickets-97339772881>

Friday, March 20

Spring Equinox Campfire Celebration – 8 to 10pm. Join Naturalist Mark Carra at Beaver Meadow for a warm campfire to celebrate the coming of spring. We'll hike and, if you like we can dance to the light of the moon. Preregistration is required. Family friendly event. \$5. 585-457-3228.

Seminar for Great Lakes Center and Buffalo State College Biology Department- All seminars are on Fridays at 2:00 p.m. in Bulger Communications Center room 214. Speaker: Michael Yu, University of Buffalo, "The role of protein arginine methylation in pre-mRNA splicing".

Humanities New York Reading and Discussion Program at RTPI-6:30-7:30pm. During this session, participants will discuss "Rats: Observations on the History & Habitat of the City's Most Unwanted Inhabitants" by Robert Sullivan. A limited number of loaner books for the following month's session will be distributed at the end of the discussion. This program is free and open to the public. For more information, visit <https://rtpi.org/rtpi-to-host-illuminating-the-dark-side-of-nature-book-club/>. Roger Tory Peterson Institute, Jamestown.

First Day of Spring Twilight Hike- Tifft Nature Preserve. [register](#). 7:00 - 8:30 p.m | \$6 per participant* | All Ages. Watch nature getting ready to rest and awaken at night as we enjoy the sun setting on a guided twilight hike on the first day of Spring!

Plantasia- 10am to 9pm. WNY's premier garden and landscape show at the Fairgrounds, 5820 South Park Ave., Hamburg. Preview night-5:30 to 8pm. Wander through beautiful gardens. Pause and reflect on water features and intriguing outdoor living spaces in a spectrum of colors, all created with plants and flowers. Join the Plantasia landscapers for their gardens of Reflections. [info](#)

Saturday, March 21

Spring Gardening Seminar: Urban Foraging -Free with registration. 2pm at Massachusetts Avenue Project, 387 Massachusetts Ave, Buffalo 14213. To register, email info@urbanroots.org or call 716-362-8982.

Maple Sugaring - Past & Present-10:00am-1:00pm at Taylor Road Family Recreation Facility, Hamburg
Sharing the methods of sap collection and maple sugaring preparation as practiced by Native Americans, early settlers and modern day producers. Following the program, a delicious organic pancake brunch will be served featuring our locally produced maple syrup. Program begins promptly at 10:00am. \$10 – Members, \$15 - Non-members. Register online at earthspiritedu.org or call us at (716) 941-6267. *Pre-registration necessary.*

North Tonawanda Audubon Owl Prowl – 7:30-9pm. Join Naturalist Tom Kerr for a nocturnal hike through the North Tonawanda Audubon Preserve! We'll be looking and listening for the Eastern Screech-owls that make their home in this forested wetland. Waterproof footwear is required. Meet at the corner of Raymond Ave. and Birch St. Pre-registration is required. \$7. Ages 8+. 585-457-3228.

Herbal Honey Apothecary Class-[register](#). 2:00 PM 4:00 PM at Masterson's Garden Center, East Aurora. The second class in our Herbal Honey Apothecary series! There is medicine all around us. Join local medicinal plant grower Alyce Thorp (of Elda Mor Herb Farm & Nursery) for this hands-on series of classes in which you will learn how to harvest and prepare several types of natural remedies made from things you can find right in your own backyard.

SPCA 3rd Annual Wildlife Baby Shower-10am to 2pm at 300 Harlem Road in West Seneca. At this year's baby shower make sure to : Help us fill the incubator with cash donations! Learn about how you can help your local wildlife, Participate in our raffles and kids' activities, Get a closer look at the different birds of prey, Speak with wildlife ambassadors from the SPCA's Wildlife Department, SkyHunters USA, and the Citizen Coalition for Wildlife and Environment. For more information, please visit our [website](#).

The Sweet Life!-11am to 12:30pm at [DeVeaux Woods State Park](#). It's that time, 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.**

Sip-N-Scratch!-\$45.00, from 2 p.m to 6 p.m. at The Buffalo Maritime Center, 90 Arthur Street, Buffalo, NY 14207. Join us for an afternoon of making, drinking, and fun! Participate in an aluminum casting event while creating your own low-relief sculpture. Participants will be provided with instructions on what to do, tools to scratch, and what is called a scratch block mold. Scratch block molds are a resin bonded sand mold with a blank "face." They are sort of like a blank canvas, but for hot metal! Once completed with your scratch block, you will be able to see it poured with hot metal right before your eyes. The castings will then be cooled and ready to take home that night! Your ticket purchase comes with an afternoon of fun and a free beer. ONLY 40 spaces! [Register](#) now – seats fill up fast! For info, email info@buffalomaritimecenter.org.

LEAF 2020: Make a Business Plan that Doesn't Sit on a Shelf-10:00 AM - 12:00 PM. Business plans for farms are often viewed as yet another chore to do and usually result in dusty binders taking up space on the office shelf. This discussion based workshop will walk you through the mental exercise of planning your future agricultural adventures. Participants will leave with a better understanding of the use of a business plan, the essential components, and a "to-do" list of things to think about to inform future planning efforts. Additional opportunities for one-on-one follow up will also be offered. FSA Borrower credits may be made available for your attendance. Carnahan Center at Jamestown Community College, 525 Falconer Street Jamestown, NY 14701. [REGISTRATION LINK](#) Fee. \$5/person.

Tech Savvy Girls- 8:30am to 5pm. SUNY Buffalo North Campus Student Union, Putnam Way #150, Buffalo. [REGISTRATION DEADLINE](#) – MARCH 5th. Fun workshops to inspire girls to pursue careers in science, technology, engineering and math. For Western New York’s ... 6th to 9th grade girls / 10th – 12th grade girls (on a Roll program with SAT Prep & Workshops) & their parents, grandparents, teachers, counselors & other interested adults. *Tech Savvy is designed to encourage girls to explore science, technology, engineering, and math (STEM) careers by a fun, illuminating day of activities.* Studies show that after middle school, girls often become disinterested in science and math courses. \$5.

GROW Jamestown Home and Garden Fair- At Northwest Arena, Jamestown, 10:00am-4:00pm. Put this event on your calendar as a one stop shop to get your home and gardens ready for the spring season. Features of this year’s GROW Jamestown Garden Fair and Home Show include landscape designers, craft vendors, home improvement experts, kid’s craft activities, local nonprofit organizations, DIY demonstrations, prizes, food and retail vendors, and gardening workshops.

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Dare To Repair Café-10am to 1pm. Bring your broken items (lamps, furniture, clothes, etc.) to the repair café and have volunteer “fixers” try to repair the items for free. This event is designed to reduce waste going into landfills and to build community. For more information, call 716-683-5959 or visit www.reinsteinwoods.org

Woods Walk: Nature Guide’s Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Winter Tree Walk at College Lodge Forest- 12:00 - 2:00 pm. Walk through the gorgeous College Lodge Forest near Fredonia. Learn how to identify the trees on the property and how they contribute to a healthy forest. This walk will be led by guest guide and tree expert Erik Danielsen, a plant ecologist based in Cherry Creek, NY. This event is free but you must register [here](#).

5th Annual Maple Festival-Buffalo Niagara Heritage Village will hold its 5th Annual Maple Festival from 10 a.m. – 4 p.m. Saturday and Sunday on two weekends, March 21, 22, 28 and 29, at the village, 3755 Tonawanda Creek Rd., Amherst. The family-friendly event features a pancake breakfast and educational programming. Get all the [details and buy tickets here](#).

Sunday, March 22

GObike Buffalo Community Workshop: Brakes- 5:30-7:30 pm. Just when you thought brakes were out, we’re bringing stopping back! Learn how to install and adjust all manners of rim brakes, including V-brakes, Cantilever and Caliper. We’ll cover pads, braking surface, cable tension and all manner of stopping stuff. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 5:30pm-7:30pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

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Monday, March 23

Western NY Buyer-Grower Regional Conference- 8am to 6pm at Foundry Inn & Suites in Buffalo organized by Field & Fork Network and Cornell Harvest NY The business to business conference is open to all agriculture, culinary and food trade professionals as well as development finance professionals. The one-day conference provides networking forums and workshops to promote the ever-growing local food system in the Western NY region including discussions and a keynote presentation featuring a talk on finding capital for your food system business. [register](#)

The Furry Alien in Your Home: Understanding Your Cat-SPCA talk with Cat Behavior Consultant Cary Munschauer at 6pm at SPCA, 300 Harlem, West Seneca. Register by March 13 with code CATSGONEWILD for 50% off \$10 donation at <https://campscui.active.com/orgs/ErieCountySPCA#/selectSessions/2771514>

Tuesday, March 24

Sierra Club Meeting-7 to 9pm at Daemen College, Research and Information Commons, Room 101. All welcome.

Wednesday, March 25

Spotlight on New York's Energy Consumers : What We Can Learn from Current Research-1:30 to 2:30pm. Webinar. The Smart Energy Consumer Collaborative (SECC) joins the LIFE Webinar series to discuss two recent studies that provide insight into New York's low-income energy consumers and consumer attitudes about the future of clean energy policy and technologies in New York State. Join this webinar to learn about SECC's research and what it can teach us about New York's energy consumers. [Register.](#)

Counter/Culture Lecture Series: - 6 pm - 7:30 pm, Hayes Hall 403. The spring 2020 series focuses on the theme of institutional and cultural bias and features a lineup of powerful thought leaders across our disciplines. Speaker: **West 8**, Urban Design and Landscape Architecture, Rotterdam, NYC, Brussels .

The Foundry Open Tours-Open tours for the public every Wednesday evening at 6pm. Come learn more about youth & adult classes, membership options in our makerspaces or learn more information about how YOU can become a tenant and grow your small business with us. No need to RSVP, just stop by! 298 Northampton Street, Buffalo.

Precision Agriculture Series-1:00 PM - 3:00 PM. Interested in learning more about how Precision Agriculture can be implemented on your farm? Learn More at https://reg.cce.cornell.edu/Precision_Ag_Erie_214. Dard Hunter Hall (in the Print Shop), Roycroft Campus, 21 South Grove Street, East Aurora, New York 14052.

Behind the Scenes Collection Tours: Cabinet of Curiosities - 6 to 8pm at Buffalo Science Museum for ADULTS 18+, \$25 per participant (includes admission). Go behind the scenes to see what few have seen and explore the Museum's Collection. Tours are approximately two hours in length. Register online or by phone at least one week in advance. Take a peek into the Vertebrate Zoology Collection's spine-tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! [register](#)

Working for Downtown Buffalo Meets –Join us Wednesday, March 25 at Thin Man Brewery at 166 Chandler Street for Working For Downtown's premier social event, Buffalo Meets. We're putting together some of Buffalo's most interesting venues with Buffalo's most interesting people and companies. Drop in any time between 5 – 8PM and enjoy light appetizers and mingle with professionals who share a passion for the Queen City! Thank you to our sponsor, EnergyMark!

Special Screening: The Mummy (1932)- 7:00 -9:00 p.m. | All Ages | \$15 per participant* at the Buffalo Science Museum. Following the discovery of King Tut's tomb, Universal Studios' *The Mummy* (1932) starring Boris Karloff set the prototype for all mummy-themed movies. This special event includes a post-screening discussion of the touchstones linking the film and exhibit Golden Mummies of Egypt presented by M&T Bank. If you're planning to visit Golden Mummies of Egypt before the screening, we strongly recommend purchasing tickets in advance for 6 p.m. or earlier at sciencebuff.org.

West Valley Citizen Task Force Meeting-6:30 PM, Ashford Office Complex, 9030 Route 219, West Valley, NY. Please check back for the [meeting agenda](#).

Thursday, March 26

Winter Speakers Series with Explore Buffalo-7 to 9pm at First Presbyterian Church, Symphony Circle. Check speakers/topics at <https://explorebuffalo.org/winter-speaker-series/>.

Wellness Walks-10:00am - 12:00pm. Drop by Tift Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Guided Tour: Women Bird Walk Series-8:30 to 9:30am at Tift Nature Preserve. [register](#). \$6 per participant* | Ages 18+. Beginner to experienced woman birders are invited to join us for a welcoming, guided bird walk on the Preserve's trails. Binoculars and introduction to birding provided. *Advance registration required.*

LEAF 2020: Creative Preservation of Culinary Herbs- 6 to 8 p.m. at Carnahan Center at Jamestown Community College, 525 Falconer St., Jamestown. The class will be held by Cornell Cooperative Extension of Chautauqua County. [Register](#). The fee is \$10 per person. Optional: For a fee of \$3.25, take home 1 ounce of dried herbs for home concocting. Many gardeners look for creative uses of abundant herbs in their garden. In this class, community herbalist Sarah Sorci will share recipes and samples of herb-infused vinegar, herbal finishing salts, and herb-infused honey and maple-syrup. She will demonstrate the preparation of herb-infused vinegar, and discuss her favorite herbs for each of the preparations. No experience required. All participants will take home a recipe handout.

Friday, March 27

Timberdoodle Time-6:30pm 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.

The Perils of Plastic with Dr. Sherri Mason-2:00 pm, Presentation at JCC's Scharmann Theatre, 4:00 pm , Reception at RTPI and 5:00 pm, Program and Discussion at RTPI in Jamestown. Dr. Sherri A. Mason and her research group are among the first to study the prevalence and impact of plastic pollution within freshwater ecosystems. Dr. Mason was selected as an EPA Environmental Champion in 2016, awarded the Excellence in Environmental Research by the Earth Month Network in 2017, and earned the Heinz Award in Public Policy in 2018. Both events are free and open to the public. [Info](#).

Saturday, March 28

Strawberry Island Eagle Watch at Aqua Lane Park (Tonawanda) – 10 to 11:30am. Join 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 has been a great place to see Bald Eagles year-round. We'll also look for the Ducks, swans, gulls and other birds also spend their winter on the Niagara River. Meet at parking lot on Aqua Lane. Pre-registration is required. Binoculars are available. Donations are gratefully accepted. 585-457-3228.

Eagle Watch - 1 pm - 4 pm at Iroquois National Wildlife Refuge. LEAD: Bob Ensminger LOCATION: Cayuga Overlook

Finding Urban Land to Farm-10:00 AM - 12:00 PM, [REGISTER HERE](#). Journey's End Refugee Services, Tri-Main Building, 2495 Main Street, Suite 530, Buffalo, NY 14214. Cornell Cooperative Extension of Erie County and Journey's End Refugee Services are co-hosting a workshop for people interested in farming in the City of Buffalo. The workshop will begin with a presentation about what to consider when evaluating urban land for farming, and then to hear about the experiences of people who found land and are currently growing in the city. There will be plenty of time for questions and answers. Stay for a snack and to network with others interested in urban farming.

Kid's Night Out-5:30 - 8:30 p.m. | \$25 per child* | Ages 5-8 at Tifft Nature Preserve. [register](#). Drop-off the kids at Tifft for a night of fun! We'll enjoy a pizza dinner, go for a hike, enjoy crafts, games, and end with a nature-themed movie and popcorn! *Pre-registration and pre-payment required by March 20.*

Beerology- 7 - 10 p.m. | \$55 General Admission* | Ages 21+ at the Buffalo Science Museum. Beerology is back and bigger than ever! Now featuring a selection of wine and spirit tastings! Learn about the science of beer and have your science on tap at this annual fundraiser! Sample beers and other brews from some of the best breweries in the area, snack on beer-friendly foods, enjoy presentations on home brewing and a variety of beer-related topics, and more. [BUY TICKETS NOW!](#)

LEAF 2020: Old Fashioned Soap Making-10am to noon. Do you have used cooking oil or extra lard from butchering a hog and don't know what to do with it? Learn how to make homemade soap using lye and animal and/or vegetable fats. Participants will learn the history and science behind soapmaking, equipment and supplies needed, and how various fats and oils affect the finished product. Everyone will participate in making a batch of soap and will get to take home a bar of homemade. The instructor will be Linda Dewey, a 5th generation farmer and owner/operator of Silver Falls Farm, Perrysburg, NY, which has been continuously owned and operated by the Dewey family since 1817, who has had many years of experience carrying on the family soapmaking tradition. Carnahan Center at Jamestown Community College, 525 Falconer Street, Jamestown, NY 14701. [REGISTRATION LINK](#), Fee \$10/per person.

LEAF 2020: Introduction to Food Preservation; Homemade Jam-10:00 AM - 12:00 PM. Join the Master Food Preservation Volunteers to learn how to make jams using a hot water bath canner. We will use fresh, local produce if available and all participants will leave with jam to take home. All materials are provided and included in the class fee. Carnahan Center at Jamestown Community College, 525 Falconer Street, Jamestown, NY 14701. [REGISTRATION LINK](#), Fee \$15/per person.

Knot-so-fast-10am. Learn how to tie important knots and lashings as well as their common uses. We will also learn how to coil a rope. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

5th Annual Maple Festival-Buffalo Niagara Heritage Village will hold its 5th Annual Maple Festival from 10 a.m. – 4 p.m. Saturday and Sunday on two weekends, March 21, 22, 28 and 29, at the village, 3755 Tonawanda Creek Rd., Amherst. The family-friendly event features a pancake breakfast and educational programming. Get all the [details and buy tickets here.](#)

Sunday, March 29

GObike Buffalo Community Workshop: Fix a Flat-Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss the different types of punctures as well as flat prevention. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 5:30pm-7:30pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Talk with Sally Cunningham - 1:30 pm at Lockwood's Garden Center, 4484 Clark Street Hamburg, NY 14075, (716) 649-4684. [register](#)

5th Annual Maple Festival-Buffalo Niagara Heritage Village will hold its 5th Annual Maple Festival from 10 a.m. – 4 p.m. Saturday and Sunday on two weekends, March 21, 22, 28 and 29, at the village, 3755 Tonawanda Creek Rd., Amherst. The family-friendly event features a pancake breakfast and educational programming. Get all the [details and buy tickets here.](#)

Monday, March 30

LEAF 2020: Is Agri-tourism right for you?- 6:00 PM - 8:00 PM. Inviting the public onto your farm or agribusiness might be an intimidating prospect - but an important one to help promote our local agricultural industry and your farm business – along with a diversified stream of income. Join Katelyn Walley-Stoll, Farm Business Management Specialist with Cornell Cooperative Extension’s SWNY Dairy, Livestock, and Field Crops Program as she discusses the advantages, challenges, and unexpected details that come with inviting any group of people onto the farm. Participants will leave with several resources, ideas, and opportunities for future follow-up. [REGISTRATION LINK](#), Fee \$5/per person at Carnahan Center at Jamestown Community College, 525 Falconer Street, Jamestown, NY 14701.

Tuesday, March 31

Animal Communication-7pm. Want to learn to communicate with your animals and nature using your intuition? Have you ever seen the movie Dr. Doolittle? You too can talk to the animal kingdom. Come and learn some fun tips and techniques that will help you understand why animals do what they do. Sometimes we wonder why the dog may scratch his bed over and over, or why the cat does not come when you call her. This will be a fun class, bring the family – but not your pets for this class, please. Audubon Library, 350 John James Audubon Pkwy, Amherst. Register at 716-689-4922.

Wednesday, April 1

Counter/Culture Lecture Series: - 6 pm - 7:30 pm, Hayes Hall 403 at UB South Campus. The spring 2020 series focuses on the theme of institutional and cultural bias and features a lineup of powerful thought leaders across our disciplines. 50th Anniversary Alumni Celebration: [Sydney Gross Alumni Symposium](#) / [50th Anniversary Alumni Exhibition Opening Reception](#) / Atelier Open Studio.

Unique Upcycling- 6:00 - 7:30 p.m. Adult program at the Buffalo Museum of Science. Join this creative workshop and learn different ways of transforming a variety of single-use items into beautiful and functional works of art. Projects include plastic-bag yarn, bottle caps, and paper recycling. *All materials included, BYO also welcome.* [register.](#)

Sex in the Ordovician: Trilobite Reproduction-7pm. This talk focuses on the discovery of trilobites with in situ eggs from the Ordovician of New York State. It uses this discovery as a touchstone to discuss the evolution of trilobite and arthropod reproduction in general. Presentation in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd., Blasdell. FREE for members, \$4 for the public. No registration needed.

The Foundry Open Tours-Open tours for the public every Wednesday evening at 6pm. Come learn more about youth & adult classes, membership options in our makerspaces or learn more information about how YOU can become a tenant and grow your small business with us. No need to RSVP, just stop by! 298 Northampton Street, Buffalo.

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at NYSDOT. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies.](#)

Thursday, April 2

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Batavia Garden Talk Series- Master Gardeners of Cornell Cooperative Extension of Genesee County at the extension office, 420 E. Main St., Batavia. All Garden Talk programs run from 12:15 to 12:45 p.m. Take your lunch. The series is free and registration isn't needed. Topic – [“Get your Garden Ready for Spring.”](#) Need some help getting your garden ready for a spring and summer of beauty and color? Whether you have bulbs, annuals or existing perennials, you can minimize weeds, change locations of plants, or prep a spot for a brand new garden.

Friday, April 3

Seminar for Great Lakes Center and Buffalo State College Biology Department- All seminars are on Fridays at 2:00 p.m. in Bulger Communications Center room 214. Speaker: John Titus, SUNY Fredonia, “Forest change in Chautauqua County's upland and bottomland forests”.

Tips for the Environment:

Pack it for the Planet-March 10th is National Pack your Lunch Day. Think zero waste by choosing reusable containers and wraps for your lunch. Check out the NYS DEC's tips at [reusable lunchbox brochure \(PDF\)](#). Instead of a plastic bag, consider reusable beeswax wraps to protect a sandwich.

Celebrate Green for St. Patrick's Day-Drink local beer (ideally made with local ingredients), plan your garden for the Spring, choose environmentally-friendly supplies for your spring cleaning. Save that costume for next year.

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 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.

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](#)!

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

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com>

<http://www.exploreny.net/events.php3>

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

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

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

<http://buffalorising.com>

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

<https://boredommd.com/>

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.ecatrail.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

Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>

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

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

Education Resources

[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](#)

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/>

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

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/>
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/>
Free Fallen Fruit Rescue-<https://www.facebook.com/freefallenfruitrescue>
Gormley Farms- <https://www.facebook.com/gormleyfarms>
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/>
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/>
The Promised Land- <http://promisedlandesa.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>

Local Businesses with Classes and Workshops

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

Local Tourism promoting Sustainability

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

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

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot
Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>
Books- www.booksforafrica.org, www.operationpaperback.org
Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.
Bras- www.donateyourbra.com, www.brarecycling.us
Building materials- www.buffaloreuse.org

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

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

Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill,

Hearts for the Homeless -to see what is accepted <https://www.nysar3.org/page/re-clothe-ny-78.html>

Clothing, formal/business- www.donatemyweddingdress.org/, www.careergear.org, www.dressforsuccess.org

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

Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>, <https://www.decluttr.com>

Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking drop-offs

Construction Materials-Buffalo ReUse, Habitat for Humanity Restore

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

<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](http://realsimple.com)

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.woof.org/>

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

Education Courses 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/>

Miscellaneous:

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](#)

Videos/Websites

[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.

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/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloudubon.org
Buffalo Blueway	https://buffaloblueway.com/
Buffalo 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://buffalofarmentoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://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	http://www.buffalo-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloorithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/

Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
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/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.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 Action Organization of Erie County	http://www.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.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 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
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 Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
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
H.O.P.E of WNY	https://www.reptilekeeperllc.com/
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://auduboncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Local Initiatives Support Corporation	https://www.lisc.org/wny/
Lyceum at Silo City	https://www.lyceumsilo.city/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysaccny.org/index.php

New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York Upstate Chapter, Landscape Architects	https://www.nyuasla.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
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	https://sites.google.com/a/niagarafontierbotanicalsociety.org/niagarasociety/home/
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://rocbuffalo.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
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
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	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/

Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Food Hub	https://www.edenvalleygrowers.com/wny-foodhub
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://wnyssc.org/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
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

<https://wnyyouthclimatesummit.org/>