

# Enviro-News

December 2019

Sponsored by Daemen College's Global & Local Sustainability Program

## Newsletter Contents:

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

## Articles:

### Climate Emergency Resolution Petition: WNY Climate Youth Council Wants Signatures

The WNY Climate Youth Council, sponsored by the WNY Environmental Alliance and its Youth and Climate Justice Initiative, is a gathering of mostly high school students concerned about climate change, climate justice and species extinction. They have organized rallies in Buffalo in support of the international youth climate strike movement, the most recent at Niagara Square on Sept. 20 where more than 500 people gathered. They are urging the Buffalo Common Council and the Erie County Legislature to pass a Climate Emergency Resolution and join over 990 local governments in 18 countries to do so. In support of that effort, they are gathering signatures on a petition requesting a resolution. They have over 500 young people in various high schools across the region who have already signed. If you are willing to sign this petition, please send the name of your organization and authorized person signing to Emily Dyett, Youth Coordinator for the WNYEA, at [emily.dyett@growwny.org](mailto:emily.dyett@growwny.org) or call at 716-380-8030. To sign as an individual, click [here](#).

### Winter Wonderland Holiday Open House at Beaver Meadow

Come out to Beaver Meadow Audobon Center for a wintertime extravaganza on **Saturday, December 7** from 9am-noon. Meet our animals and Zelda the Owl, take a winter walk through the woods, create special holiday snacks for backyard birds, and take a photo with Santa himself! Coffee, hot chocolate, and pastries will be served. The cost of the event is \$7 adults / \$5 children ages 4-12 / 3 and under are free. No pre-registration required.

### 2020 Winter 'BOW in the SNOW' Workshop

Come learn snowshoeing, cross country skiing, fat tire biking, winter survival, ice fishing, K-9 first aid, food preservation, wild game cuts and cooking, knot tying, and much more! The 2020 "Becoming an Outdoors Woman" Workshop will be held **February 7th-9th, 2020** at Allegany State Park, Camp Allegany. Cost is \$240 with dormitory-style lodging with 4-5 persons to a room. Beds are all single beds (no bunks). Newly installed heating in each room provides a warm stay. Bathrooms are shared. You must bring linens for sleeping and towels/toiletries. There are no single rooms available and there is no discount if you do not stay at the camp. Registration for the workshop is determined via lottery. Registrations must be postmarked by **December 3rd, 2019** to be entered into the lottery. You will be notified if your registration was chosen. If your envelope is not chosen, you will have the choice to be placed on a waitlist or have your registration and payment destroyed. [Click here for registration form, course descriptions, and more information.](#) (PDF)

## **Western NY Buyer-Grower Conference**

The Western New York Buyer-Grower Conference will be held **January 13, 2020** at the Foundry Suites in Buffalo from 10:30am 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.](#)

## **Air and Waste Management Symposium**

The 2020 Annual Air and Waste Management Association seminar will be held on **January 23, 2020** from 8am to 4:30pm at Templeton Landing, 2 Templeton Terrace, Buffalo. The keynote speaker is Mark Lowery, Assistant Director of the NYS DEC Climate Office. Registration and info is available [here.](#)

## **NOFA-NY's 2020 Winter Conference**

NOFA-NY's 38th Annual Winter Conference is an unparalleled opportunity to connect with sustainability-minded farmers, gardeners, and consumers. This year's conference will be held at The Oncenter in Syracuse from **January 17-19, 2020**. The conference is one of the largest in the region with more than 1,100 attendees annually, plus more than 100 educational workshops and an approximate 80 trade show vendors. This year, we are combining our two flagship events - the Winter Conference and the 9th Annual Organic Dairy and Field Crop Conference into one weekend - bringing you the highest level of programming possible. To register, visit <https://nofany.secure.nonprofitsoapbox.com/2020wc>.

## **DEC Seeks Public Comments re: Endangered and Threatened Species List**

DEC is proposing changes to its list of endangered and threatened species in New York. A threatened or endangered species is protected under New York State's Endangered Species Law and becomes a priority for monitoring and management programs. A permit is also required for projects likely to cause harm to these species. DEC is proposing to remove 19 species from the list and add 18 species. See the [draft changes to the state endangered and threatened species list](#) and where to send suggestions. We are encouraging the public to comment on the draft list before we develop a formal proposal to revise the list. Comments accepted through **January 24, 2020**.

## **Erie County and City of Buffalo Designated as New York Climate Smart Communities**

Governor Andrew M. Cuomo announced a record number of new certified Climate Smart Communities which recognizes the leadership of local governments that have documented their accomplishments in reducing greenhouse gas emissions and adapting to climate change. The City of Buffalo and Erie County both received the designation for successfully meeting the bronze criteria. The specific actions that each of the 16 new bronze certified Climate Smart Communities took to achieve certification can be viewed online by accessing their certification reports at <https://climatesmart.ny.gov/actions-certification/participating-communities/>.

## **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](http://www.buffalorecycles.org).

## **PLANT WNY Trade Show & Education Conference 2020**

**February 6 – 7, 2020** will be the dates for the annual trade show and conference for the local professional landscape and nursery trade. Susan Martin will be the keynote speaker for the event to be held at Salvatore's Italian Gardens in Depew. Visit [www.plantwny.com](http://www.plantwny.com) for info.

### **WNY Land Conservancy Receives \$250,000 Toward Purchase of Mossy Point in Wales**

The Western New York Land Conservancy has received three new donations totaling \$250,000 toward the purchase and protection of Mossy Point, a 222-acre property located in Wales, NY, along Hunters Creek near East Aurora. They have now raised \$1.35 million toward their goal of \$1.6 million. But they need to raise an additional \$250,000 by December 31, 2019 in order to purchase the property and save it for future generations. Donations include \$100,000 from Dr. Paul Rutledge, an ecologist and former Land Conservancy board member who now resides in Michigan. Paul was instrumental in the land protection projects done by the Land Conservancy during its first decade, including Kenneglenn, a preserve adjacent to Mossy Point. Current Land Conservancy board member Kathryn Lasher and her partner, Scott Bieler, president of West Herr Automotive Group, contributed gifts equaling \$100,000 and anonymous donor contributed \$100,000. Once purchased, Mossy Point will include walking, cross-country, and snowshoe trails. It will connect to the adjacent Kenneglenn Nature Preserve as well as the adjacent Hunters Creek County Park.

### **Buffalo Olmsted Parks Receives NYSDEC Grant to Fund Dead Ash Tree Removal**

A NYSDEC Urban and Community Forestry Grant provided \$75,000 to remove large dead ash trees throughout the Buffalo Olmsted Park System. Due to the invasive emerald ash borer, many ash trees have died. Replantings will include a diverse mix of species to bolster resilience in the tree community in Buffalo.

### **'The Riverline': New Name for Buffalo's Former DL&W Corridor**

The Western New York Land Conservancy unveiled "The Riverline," the new name for the DL&W Corridor project. The one-and-a-half-mile former rail corridor running from Canalside to the Buffalo River across from the new Tesla solar panel manufacturing facility at Riverbend is slated to become a new nature-centered public space. The Land Conservancy is transforming this corridor into an iconic, innovative, and inspiring nature trail and greenway as it crosses through the Old First Ward, Perry, and Valley neighborhoods. The Riverline name reflects elements of the project that community members identified as important to them: the connections this new nature trail and greenway will make through the neighborhoods it crosses and the influence the adjacent waterways have had on the land surrounding the project for centuries. Sections of the trail will have names that also reflect the heritage of the corridor and the natural elements that are reclaiming it after decades of human neglect. "The Del" is a nod to the elevated berms that run the corridor through Perry and the Old First Ward; "The Junctures" is where the trail navigates other existing and legacy rail infrastructure; and "The Basswoods" designates re-naturalized areas along the trail where native Basswood trees previously flourished and will soon rise again. The Land Conservancy also released a [short video, produced by Paget Films](#), that captures the essence and magic of The Riverline.

### **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](mailto: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](mailto:tiffany@hawkcreek.org) or call 716-652-8646. Donations are tax-deductible.

## **Water Soluble Packaging: End of Shampoo Bottles?**

For her master's thesis at the University of Arts in Berlin, Jonna Breitenhuber developed a bottle made from soap that can effectively serve as packaging for any liquid hygiene product on the market—and they are just as visually arresting as the best-designed plastic bottles. These bottles, which she calls [SOAPBOTTLE](#), are made from a traditional piece of soap that's been hollowed out. The interior is lined with a water-insoluble layer, which prevents any liquids contained within it from dissolving the soap. On the top, there is a reusable metal closure to allow you to open the top and pour out your shampoo or shower gel. After a while, you'll just have little remnants of soap left, which she recommends using as hand soap, and it's entirely biodegradable. So unlike plastic, it will not result in any waste. Read more [here](#).

## **Battery Breakthrough Proposed by Hydrogen Truck Maker**

Nikola Motor reports that it has developed a new type of battery cell with double the energy density, only 40% of the weight and half the cost of current lithium-ion batteries used in Teslas and other consumer-market electric vehicles. The company is not providing many details for now, and public demonstrations won't happen for about 10 months. By avoiding using metals that add cost and weight to lithium-ion batteries, the cells will be exactly half the price per kilowatt hour. Cutting down on mining for cobalt and nickel would also improve the cell's overall environmental impact.

## **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.

## **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.

## **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/>

## **Woodland Owners Sought for Master Forest Owner Program**

People who own woodland are sought to volunteer with Cornell Cooperative Extension's [Master Forest Owner program](#). Volunteers meet with owners to listen to their woodland goals, concerns and questions, then offer sources of assistance and encourage them to work with professionals. Get more information in an [article here](#)

## **Waste Scanner to Identify Recyclable Items**

A device is under development to scan items and let users know whether their local recycler will accept the item. The simple-to-use, handheld device is intended for use by waste organizations; the goal is to have the waste facility provide the device to each household. The device will help keep recyclable items out of the landfills and the oceans. Almost as bad as misdirected recyclable items are the materials that end up in the recycling bin where they don't belong. These disallowed containers can contaminate other items on the recycling line, causing them to be thrown out. Read more at <https://inhabitat.com/recycling-identifying-device-takes-the-guesswork-out-of-figuring-out-whats-recyclable/>.

## **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](mailto:GLCladophora@dec.ny.gov).

## **Food Donation and Scrap Laws and Regulations**

In partnership with Harvard Food Law & Policy and Center for EcoTechnology, four legal facts sheets have been created to address common legal questions about food donation and food scraps diversion in New York State. These fact sheets should dispel some concerns about liability related to food donations and encourage more businesses to share surplus goods. Food waste is a major environmental issue, so keeping it out of landfills is important. These fact sheets explain both federal and New York State laws and regulations including: [Tax incentives for food donation](#), [Liability protections for food donors](#), [Date labeling requirements for food packaging](#), [Feeding food scraps to animals](#).

## **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](#).

## **Pesticide-treated Seeds May be Responsible for Songbird Decline**

A recent study suggested that seeds treated with neonicotinoid pesticides could be behind loss of songbirds. Eating even one or two seeds treated with neonicotinoid pesticides suppresses birds' appetite, causing weight loss that delays migration and potentially contributes to the steep decline in North American songbird populations, researchers reported in *Science*. Though eating a few seeds treated with neonics does not kill birds, it does cause an average loss of 9% to 17% in crucial body fat, and may render them unable to breed. Read more [here](#)

## **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](http://www.reuseaction.com), call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

## **Report any Spotted Lanternflies**

Spotted Lanternfly (SLF) infestations have not been detected in New York State, but we need your help to keep an eye out for them! SLF nymphs are small and black with white spots. Just before becoming adults, the nymphs turn red. If you believe you've seen this insect, send photos and location information to [spottedlanternfly@dec.ny.gov](mailto:spottedlanternfly@dec.ny.gov). More info at <http://www.dec.ny.gov/animals/113303.html>.



## 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>

### **Family Activity: Can you Reduce your Utility Costs with Trees**

Did you know you can reduce heating and cooling costs by strategically planting trees around your home? In this activity you will use **i-Tree Design** – an online tool by the US Forest Service – to determine where to plant trees for maximum energy savings. For instructions to guide you through the activity, visit <https://www.plt.org/family-activity/teaching-with-itree/reduce-your-utility-costs/>.

### **New *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.

### **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.

## **Indoor Solar Cells Designed**

Swedish and Chinese scientists have developed organic solar cells that can convert ambient indoor light to electricity. While they won't generate lots of power, it should provide enough energy for many of our devices. As the internet of things expands, it is expected that we will need to have millions of products online, both in public spaces and in homes. Many of these will be the multitude of sensors to detect and measure moisture, particle concentrations, temperature and other parameters. For this reason, the demand for small and cheap sources of renewable energy is increasing rapidly, in order to reduce the need for frequent and expensive battery replacements. Organic solar cells are flexible and cheap to manufacture and their light-absorbing layer gives considerable flexibility in tuning the solar cells such that they are optimized for different light wavelengths. For more info, [www.sciencedaily.com/releases/2019/09/190916101900.htm](http://www.sciencedaily.com/releases/2019/09/190916101900.htm).

## **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.

## **Juice Bar Makes its Cups from Peels**

International design firm Carlo Ratti Associati has developed an experimental circular juice bar that uses orange peels to make deliciously fresh-squeezed juice but that's not all. Using filament made from the leftover orange peels, the "Feel the Peel" machine then 3D prints disposable cups to drink the refreshing juice on the spot. For photos and video, visit <https://inhabitat.com/innovative-orange-juicer-3d-prints-bioplastic-cups-out-of-leftover-orange-peels/>

## **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.



## USDA Opens Signup for Regional Conservation Partnership Program

USDA is investing up to \$300 million to help support the adoption of innovative conservation approaches on agricultural lands. Eligible organizations interested in partnering with NRCS can apply for conservation projects including a range of on-the-ground conservation activities implemented by farmers, ranchers and forest landowners. [Learn more and apply](#) by **December 3**.

## 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.

## 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](#).

## 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](https://eb.informabi.com/Green-Schools-Digest?code=UM_Email091318ACTIVE)

## School Energy Benchmarking Services

The Pre-kindergarten through Grade 12 (P-12) Schools Initiative - Benchmarking Program is available to provide up to three years of free energy benchmarking services to eligible schools. Benchmarking is a mechanism to measure, track and assess a building's utility, greenhouse gas, cost and energy metrics over time or comparatively to other similar buildings. Benchmarking will help schools better understand their energy use, identify inefficiencies, maximize energy performance, and support financial planning and budgeting. To submit an application, schools are required to meet general eligibility requirements. For more information about the Benchmarking Program and upcoming webinars, visit [nyscrda.ny.gov/All-Programs/Programs/P-12-Benchmarking-Program](http://nyscrda.ny.gov/All-Programs/Programs/P-12-Benchmarking-Program).

## 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](#)

## Teacher's Resources

[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.

[Energize Colleges Free Curriculum Resources](#)- A program of Strategic Energy Innovations, Energize Colleges is an energy education program that offers free curricula that advance energy and sustainability education and workforce development through experiential learning.

[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.

[Water Scarcity and Perseverance: A Humanities Module](#)— co-produced with Lowell School! It is geared for students in grade 6-8.

[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 Presidential Environmental Youth Awards \(PEYA\)](#) recognizes outstanding environmental stewardship projects from grades K-12, by promoting environmental awareness and encouraging community involvement. EPA will select up to two winners in each of EPA's 10 Regions – one regional winner for grades K-5, and one regional winner for grades 6-12. Winners will be invited to participate in an awards ceremony and poster session in Washington, D.C. in mid-2020, and projects will also be highlighted on EPA's website. All student projects must be sponsored by at least one adult over the age of 21. Deadline: **January 15, 2020**.

[The Presidential Innovation Award for Environmental Educators \(PIAEE\)](#) recognizes outstanding teachers for K-12 who employ innovative approaches to environmental education. Up to two teachers from each of EPA's 10 regions, from different states, will be selected to receive this award. Teachers will receive a Presidential plaque and an award of up to \$2,500 to be used to further professional development in environmental education. Winning teachers' local education agencies will also receive awards of up to \$2,500 to fund environmental educational activities and programs. Winners of next year's awards will be invited to participate in an awards ceremony and poster session in Washington, D.C. in mid-2020, and projects will also be highlighted on EPA's website. Deadline: **January 15, 2020**.

[Toshiba/NSTA ExploraVision science competition](#) encourages K-12 students to imagine what technology might be like in the future while experiencing scientific process and discovery in an engaging, hands-on way. Let's empower the next generation of inventors, scientists and leaders. It's not too late to register your teams! Deadline: **February 10**.

[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

[United Fresh Start Foundation Community Innovation Grants Program](#) increases children's access, selection, and consumption of fresh produce while they are outside of school. A total of \$50,000 will be awarded to a minimum of five projects. Eligible applicants include not-for-profit organizations, schools, universities, small businesses, and others. Deadline: **December 1, 2019**.

[Northeast SARE Farmer Grants](#)-Northeast Sustainable Agriculture Research & Education (SARE) funds grants for commercial producers who have an innovative idea they want to test using a field trial, on-farm demonstration, marketing initiative, or other technique. Projects should seek results other farmers can use, and all projects must have the potential to add to knowledge about effective sustainable practices. Deadline: **December 3, 2019**.

[Urban Forestry Projects](#)-Grants are available for tree planting, maintenance, tree inventory, community forest management plans and for educating those who care for public trees. Eligible applicants include municipalities, public benefit corporations, public authorities, soil and water conservation districts, community colleges, not-for-profit organizations and Indian nations or tribes. Tree inventories and community forest management plans require no match. Tree planting, maintenance and education projects have a 25 percent match requirement. Not-for-profit applicants are required to pre-qualify in the Grants Gateway system, so DEC recommends that applicants start the process well in advance of the grant application due date. Deadline: **December 4, 2019 at 2 p.m.**

[Asphalt Art Grants for Cities](#)- Cities with populations between 30,000 and 500,000 are welcome to apply. Only one application per city will be accepted. Each application's Project Team must include Lead Applicant: City agency responsible for advancing necessary permitting and oversight of the site and installation (e.g., Department of Transportation, Department of Public Works, or other appropriate agency) and Fiscal Agent: An organization with 501(c)3 nonprofit status that can receive the grant funds and be responsible for managing the distribution and procurement required. Deadline: **December 12**.

[2020 Farm to School Grant Program Request for Applications \(RFA\)](#). Farm to school programs support local communities through a variety of activities, including taste tests, farm visits, local purchasing, food and agriculture education, and farmer and producer training. A wide variety of entities are eligible to compete for funding through this grant opportunity. Schools and school districts, local agencies, Indian tribal organizations, small- to medium-sized agricultural producers or groups of small- to medium-sized agricultural producers, and non-profit organizations are eligible to apply for Planning and Implementation grants. State agencies may apply for a State Agency grant. Deadline: **December 13, 2019**.

[Kids Gardening Youth Garden Grants](#) - The Youth Garden Grant supports school and youth educational garden projects that enhance the quality of life for students and their communities. 5 programs will receive awards valued at \$2360 and 20 programs will receive award valued at \$775. Deadline: **December 16**

[Margaret A. Davidson Graduate Fellowship](#)- new fellowship program for graduate students at the national estuarine research reserves. One two-year fellowship opportunity will be available at each of the 29 coastal sites. Through a research project, fellows will address a key coastal management question to help scientists and communities understand coastal challenges that may influence future policy and management. Deadline: **December 20**.

[New York Grant Program for School-Based Agricultural Education Programs](#) will provide local school-based agricultural education programs with grant awards to secure necessary resources. These resources may include curriculum development, professional development, program development, resource acquisitions, and program coordination. Deadline: **December 20, 2019**.

[Regional Farm to School Institute Grant Request for Applications \(RFA\)](#). This new grant focus for fiscal year 2020 will support the creation and dissemination of information on farm to school program development, and provide practitioner education and training, and ongoing school year coaching and technical assistance. Deadline: **December 27, 2019**.

[Katie's Krops Growers Grants](#) - Kids 9-16 can apply today to become a Katie's Krops Grower and help end hunger in their community. Grantees receive funding to start their garden in the form of a gift card to a garden supply store in their community and tons of planning resources. Deadline: **December 27**

[2020 Environmental Education Grants Program](#)- will award three to four grants in each of the agency's 10 regions. In addition to other environmental topics, the 2020 Environmental Education Grants Program will fund education-based projects pertaining to marine debris mitigation, food waste and loss reduction, and recycling. Funded projects will both increase public awareness on various environmental matters and enhance participants' abilities to make informed decisions on environmental issues prospectively. Deadline: **Jan. 6, 2020**

[Great Lakes Restoration Initiative: Cooperative Weed Management Areas](#)-The goal of this program is to detect, prevent, eradicate, and/or control invasive plant species to promote resiliency, watershed stability, and biological diversity. For more information and to apply, visit the [Forest Service's website](#). Deadline: **January 10, 2020**.

[Population and Ecosystem Dynamics Federal Funding Opportunity](#) - The NMFS-Sea Grant Fellowship Program in Population and Ecosystem Dynamics expects to award at least three new Ph.D. Fellowships in 2020 to students who are interested in careers related to marine ecosystem and population dynamics, with a focus on modeling and managing systems of living marine resources. These fellowships can provide support for up to three years. The emphasis will be on the development and implementation of quantitative methods for assessing marine ecosystems, for assessing the status of fish, invertebrate, and other targeted species stocks and for assessing the status of marine mammals, seabirds, and other protected species. Deadline: **January 20, 2020**.

[Marine Resource Economics Federal Funding Opportunity](#) - The 2020 NMFS-Sea Grant Fellowship Program in Marine Resource Economics expects to award one new Ph.D. Fellowship each year to students who are interested in careers related to the development and implementation of quantitative methods for assessing the economics of the conservation and management of living marine resources. This fellowship can provide support for up to three years. Deadline: **January 20, 2020**.

[Five Star and Urban Water Restoration Grant Program](#) -The National Fish and Wildlife Foundation (NFWF) and the Wildlife Habitat Council are soliciting applications for the 2020 Five Star and Urban Water Restoration Program. The Five Star and Urban Waters program will award approximately \$1.5 million in grants nationwide to applicants who will develop community capacity to sustain local natural resources for future generations. The grant will provide modest financial assistance to diverse local partnerships focused on improving water quality, watersheds, and the species and habitats they support. Projects include a variety of ecological improvements, along with targeted community outreach, education and stewardship. Deadline: **January 30**.

[New York State Wetlands Student Research Grant](#)-to financially support candidates in producing and sharing independent research focusing on wetlands. The Forum wishes to advance the development of emerging wetland professionals and the collective knowledge of New York State's wetland resources. Applicants must be currently enrolled as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university, must be participating in an independent research project with a focus on wetland science/issues relevant to New York State. Class or group projects are not eligible for consideration. Candidate must have at least a cumulative 3.0 grade point average. Deadline: **February 15, 2020**.

[John A. Knauss Marine Policy Fellowship Program](#)-The Sea Grant fellowship provides a unique educational and professional experience to graduate students who have an interest in ocean, coastal and Great Lakes resources and in the national policy decisions affecting those resources. Named after one of Sea Grant's founders and former NOAA Administrator John A. Knauss, matches graduate students with "hosts" in the legislative and executive branch of government in the Washington, D.C. area, for a one year paid fellowship. Deadline: **February 21, 2020**.

[P-12 Schools: Green and Clean Energy Solutions Program](#) is to reduce energy use and assist with the conversion to carbon free energy solutions for schools serving Prekindergarten through Grade 12 students. NYSERDA will provide a cost-share of up to 75% of eligible **Energy Studies** and **Design** costs for eligible **Clean Heating and Cooling** and **Net Zero** projects. Schools categorized as [High Need](#) may qualify for 100% cost-sharing.

[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 across the United States by offering financial and technical assistance to support the implementation of cartbased curbside recycling. With the release of this Request For Proposals (RFP), 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**.

[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).



[Food Waste Grants](#) - The New York State [Pollution Prevention Institute](#) (P2I) will operate the funding program, which will provide reimbursement to businesses that generate over one ton of food waste per week to offset the 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 from this program 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.

[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.**

[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.**

[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.**

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

[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.**

[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**.

[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**.

## Employment and Internship Opportunities

[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.

[Executive Director, Chautauqua Lake and Watershed Management Alliance \(CLWMA\)](#)- will supervise two full time staff and work with the board and other stakeholders to seek local/federal/state funding for member projects and member activities and collaborate and coordinate with members and stakeholders to properly manage Chautauqua Lake and its Watershed. Strong executive management and leadership skills, background in environmental science, and watershed management experience strongly preferred. Competitive salary with benefits included. Deadline: **December 20**.

[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.

[Exhibits Manager](#)-Buffalo Museum of Science

[Facilitator of Learning, Early Childhood Focus](#)-Buffalo Museum of Science

[Facilitator of Learning, Adolescent Education Focus](#)-Buffalo Museum of Science

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

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

[EFNEP Nutritionist 24 hours a week](#)-CCE of Chautauqua County is seeking an educator for the Expanded Food & Nutrition Education Program to deliver nutrition education to improve healthy food and lifestyle choices among limited resource families. Bi-lingual preferred. Part-time position \$14-\$16/hour. Associates degree and ability to meet travel requirements required. Experience in human services desired. Deadline: **December 9, 2019**.

[Student Conservation Association, Allegany State Park](#)- temporary Environmental Interpreter based out of Allegany State Park. This position will continue the development of interpretive programs for Lake Erie State Park and Long Point State Park on Chautauqua Lake that will include messaging related to water quality issues, invasive species, wildlife, etc.

[Student Conservation Association, Tiff Nature Preserve](#)- temporary Stewardship Technician. This position includes invasive species management, native seed and plant care, vegetation and wildlife surveys, infrastructural maintenance, and some volunteer management.

[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.

[Buffalo Community Organizer](#) -Mothers Out Front believes in the power of women taking collective action and seeks a talented and passionate organizer located in the Buffalo area to join our team and help build a diverse and powerful movement of mothers, grandmothers, and caregivers stepping up in big ways to take action on climate change. As the Buffalo Community Organizer, you will work to build community teams who carry out effective local campaigns that move decision makers to make child-centered climate decisions. You will help us focus resources particularly in those communities who suffer the injustices of climate change and fossil fuel use today and have been historically marginalized.

Buffalo Niagara Waterkeeper seeking new, talented and passionate individuals who care about our environment to join our dedicated team. If you would like a career that makes a real difference in the Great Lakes community with a highly respected organization that offers a variety of opportunities for professional development, career advancement, flexible schedules and working locations, and exciting, innovative and impactful work, all while earning competitive wages and benefits, then consider applying to join our team. [SEND US YOUR RESUME](#)

[Development Communications Manager with Open Buffalo](#)- full-time position to be the creative engineer of resonant language that makes people want to be connected to Open Buffalo. This position guides communication for fundraising, program participation, and volunteerism. Knowledge and experience of audience segmentation and understanding different communications mechanisms that these populations use to receive and retain information are essential. A commitment to social change and personal and professional alignment with our mission are essential. Accepted until review completed.

[PUSH Blue Enterprise Manager](#)-oversees the development of PUSH Blue's expanding green infrastructure, stormwater management, and sustainable landscaping social justice enterprise business. The EM will be responsible for overseeing existing stormwater management projects, creation of educational material surrounding best practices, and development of new lines of business.

[Part-time Executive Director](#)-Pfeiffer Nature Center, Portville.

[Americorps Vista](#)-Serve Buffalo community for one year, earn living allowance, limited health benefits and educational award. Email [jdahir@city-buffalo.com](mailto: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](mailto:cm933@cornell.edu) or [info@nyshemlockinitiative.info](mailto: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:

### Sunday, December 1

**Sunday Morning Hike**- Location: Emery | 2084 Emery Road, South Wales, NY 14139 | 10:00 AM. Join a Park Ranger on Sunday mornings for guided vigorous hike through one of our many parks. Each week we will visit a different County Park to explore the trails and see what we can find. Please dress appropriately for the weather, and bring water. Meet at the snowmobile lot.

**Birding Field Trip** - Joint Trip with the Rochester Birding Association (RBA) to look for gulls and waterfowl. Meet at 9:00 AM in the parking lot just outside the old fort at Fort Niagara State Park. Because this trip will head across the border into Canada, make sure you have a passport, passport card, Nexus, or enhanced drivers license. Dress warmly! Leader: BOS: Tom O'Donnell (716-284-5569) or [tmodonnell@roadrunner.com](mailto:tmodonnell@roadrunner.com).

### Monday, December 2

**Information Table: Buffalo Energy**-Buffalo Energy presents information about EmPower New York, a program that offers energy efficiency services designed to reduce high energy usage at no cost to income-eligible households. 10:00am - 3:00pm at Ellicott A (near computers), Central Library.

**Maker Monday!**- 4 to 5pm at Lancaster Library. Join us on Mondays for hands-on STEAM activities. All ages. No registration required.

### Tuesday, December 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 <https://buffaloah.com/h/center/lib/19.html>

### Wednesday, December 4

**GBNRTC Monthly Meeting**-Public welcome. 9:30 to 11am at NYSDOT Region 5, 100 Seneca 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](#).

**The Foundry Open Tours**-Open tours for the public every Wednesday 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.

**Holiday Luncheon at Botanical Gardens**- 11 a.m. to 2 p.m. at the Columns, 2221 Transit Road, Elma. This holiday fundraiser for the Botanical Gardens will include lunch a basket raffle and more. Heather Ly, Anchor/Reporter WGRZ-TV will be the event's host. Tickets are \$30 for Botanical Gardens members and \$35 for the general public. Tickets can be ordered [online](#). Call 827-1584 ext. 220 with questions.

**WNY Rose Society**- 7 p.m. at St. Stephens-Bethlehem United Church of Christ, 750 Wehrle Drive, Cheektowaga for their annual holiday party.

#### **Thursday, December 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.

**Tropical Glass Terrarium: Make-it, Take-it Workshop**-6pm at the Botanical Gardens. Member \$20, General Public \$25. Participants will each build a terrarium from tropical cuttings from the Botanical Gardens' collection and be able to add some creative touches to their terrarium. This workshop is a great friend get-together, a fun night out and make great gifts. Organizers ask that participants bring gloves and a box for transporting your creation. [Register](#).

**Women Bird Walk Series**- 8:30 - 9:30 a.m. | \$6 per participant\* | Ages 18+. Tiff Nature Preserve. 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.* [register](#)

#### **Friday, December 6**

**Fresh Holiday Wreaths Workshop**-6 to 8pm at The MUSE Studio, 17 Elm St., East Aurora. We'll teach you how to put together your own unique combination of greenery and turn it into a beautiful holiday decoration. AGES: 12 years and up. All supplies are included, but participants are encouraged to bring in fresh plant or decorative materials from home! Pretty twigs, pine cones, holiday decorations, etc. All classes require a minimum number of students to run. Please sign up in advance to help avoid cancellation due to low registration. In the case of a cancellation, you will be notified prior and receive a full refund. [Please read our class policies.](#) \$38, [register](#)

#### **Saturday, December 7**

**Beaver Meadow Winter Wonderland Open House**-9am to noon at Beaver Meadow Audubon Center. See Santa and the animals, take a winter walk and much more. Hot beverages and pastries served. Cost \$7 adults/ \$5 ages 4-12, free under 4.

**Woods Walk: Trees in Winter**-11am. Join a guided nature walk and learn how trees survive the winter season. No registration required. Reinstein Woods Nature Preserve, Depew.

**Forest Bathing-Moving Meditation at Lillibridge**-2 pm to 3pm. We will meet in the parking lot and wander through the woods, taking in the wonders of this beautiful location through all five physical senses as well as our sixth, intuitive sense. Led by Jessie Lampack Slattery, local registered yoga teacher, this session of our forest bathing series will focus on slowing down amidst a busy season and reflecting on 2019. This program is open to all ages as long as your child can remain quiet in order to allow all participants to reap the healing benefits of such an experience. Plan to leave your phones off and cameras at home as we unplug for an hour and reset our internal systems. Cost is \$5 per person. Pre-registration is not required. In the event of freezing rain or extreme temperatures, this program will be moved to the following Saturday, December 14th from 2-3pm. If the weather appears questionable, look for a change of date notice on the top of our website home page.



**Friends of Reinstein Woods Holiday Party**-1 to 4pm. Friends of Reinstein Woods members will celebrate the beauty of winter at their annual holiday gathering. Enjoy a live animal presentation by Aquarium of Niagara. New members are welcome. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

**Pfeiffer's Annual Holiday Nature Crafts for Kids**-10:30 am Program length: 1 1/2 hrs. Come have a great time with us at Pfeiffer Nature Center's nature craft table at the Portville Library. All ages will enjoy creating these fun crafts using items which come directly from nature herself. Santa Claus will be visiting and there will be lots of other library craft activities going on too! Location: Portville Free Library 2 N. Main Street, Portville. This activity is free and open to the public. Pre-registration is not required. Minors must be accompanied by an adult.

**Holiday Open House**- Roger Tory Peterson Institute from 10am to 5pm. 311 Curtis St., Jamestown. This event is part of Swedish Christmas Market Day in Jamestown - Julmarknad, organized by the Scandinavian Studies Program at Jamestown Community College. Guests will enjoy: Free admission, Refreshments, Exhibit and architecture tours, A chance to win a gift bag filled with nature-themed items, plus more.

**Handmade Nature Ornament Workshop**-Tiff Nature Preserve. 2 - 3:30 p.m. | \$6 per participant\* | All Ages Bring the family and relax while making a variety of unique holiday ornaments for indoors and out using pine cones, acorns, seed pods, salt dough and more! *Advance registration required.* [register](#)

### **Sunday, December 8**

**Sunday Morning Hike**- Location: Bureau of Forestry |11929 Warner Gulf Rd, East Concord, NY 14055 | 10:00 AM. Join a Park Ranger on Sunday mornings for guided vigorous hike through one of our many parks. Each week we will visit a different County Park to explore the trails and see what we can find. Please dress appropriately for the weather, and bring water. Meet at Lot #2 on Genesee Rd.

### **Monday, December 9**

**Green Cleaning Workshop**-1 to 2pm at City of Tonawanda Public Library. Safer for you, cheaper to buy, and better for the planet! Cleaning for the holidays? Attend this informative and interactive workshop. You will learn: The impact of cleaners on health, How to select safer cleaning products, How to make safer cleaning products. Participants will receive a recipe booklet and some safer cleaning supplies. Space is limited and registration is necessary. Call 693-5043, or stop by to register.

### **Tuesday, December 10**

**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 <https://buffaloah.com/h/center/lib/19.html>

**“What Plants Say”:** **Niagara Frontier Botanical Society Meeting**-Join us to enjoy a botanically-themed meeting and bring a treat to share. 7:30pm at the Harlem Rd. Community Center, 4225 Harlem Rd., Snyder.

**Crop Insurance 101**-9:00 AM - 12:45 PM, [REGISTER HERE](#) . Come learn the basics of crop insurance and how you can utilize this tool in your farm business to manage risk. This workshop is **free** and will provide an overview of crop insurance tools, records to maintain to participate in crop insurance programs, and tools available to assist in record keeping. Meets in the Community Room at the Western NY Welcome Center, 1999 Alvin Rd., Grand Island, NY 14072. The workshop will be presented by Sharon Bachman, Cornell Cooperative Extension of Erie County Agriculture and Natural Resources Educator and Katelyn Walley-Stoll, Cornell Southwest NY Dairy, Livestock, and Field Crops Program Farm Business Management Specialist. The session will end with introductions to local agency and industry professionals who are good for beginning farmers to connect with, followed by an opportunity to network with them at the close of the session.



**Minding Your Marketing Ps and Qs**-1:00 PM - 3:30 PM, [REGISTER HERE](#). Cornell Cooperative Extension of Erie County will be offering a workshop for anyone interested in gaining foundational knowledge about creating a marketing plan for agricultural businesses. A Taste NY presentation will also be given to learn more about opportunities and logistics for selling in the Taste NY Market at the Western NY Welcome Center. 1999 Alvin Rd., Grand Island, NY 14072. Registration is \$15/person (\$10 for Association members). Beginning farmers, veterans/military families as well as individuals of all backgrounds and farming/market gardening experience levels are encouraged to attend. [Register here](#) or contact Jolie Hibit (716) 652-5400 ext 176 / [jah663@cornell.edu](mailto:jah663@cornell.edu).

**Winter Acrylics Painting Workshop**-Tiff Nature Preserve. 7 to 8:30pm. Learn to paint the enchanting winter woods with acrylic on 8 by 10 inch canvas board while sipping hot chocolate and listening to festive holiday music. All materials provided. *Advance registration required.* Adults 18+, \$12 each. [register](#)

**Hogs, Hops, and Honey – Oh My!**- 12:00 PM - 12:00 PM. Are you a beginning farmer looking for opportunities to try a new enterprise? Are you currently farming and looking for a way to diversify your farm business? Join Katelyn Walley-Stoll, Business Management Specialist with Cornell Cooperative Extension's Southwest New York Dairy, Livestock, and Field Crops Program, for this interactive workshop that will give an overview of agricultural production options in our region. Additionally, participants will have the opportunity to learn about enterprise budgeting and analysis, evaluating assets and optimizing production capacity, and marketing. Katelyn is a graduate of Cornell University with a degree in Animal Science and Ag Business Management with a Master's Degree in Adult Learning, and owns and operates a diversified livestock farm. Contact [tsb48@cornell.edu](mailto:tsb48@cornell.edu) 716-699-2377 x100, 28 Parkside Drive, Ellicottville, New York 14731.

### Wednesday, December 11

**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, 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.

**Solstice Soiree 2019**-6 to 9pm at Landmark on Pearl, 318 Pearl St., 2<sup>nd</sup> floor, Buffalo. \$20 to public, \$10 for GOBike members (**members must log in to receive discount rates**). Cost includes admission, hors d'oeuvres and one beverage. [Register.](#)

### Thursday, December 12

**Seed Packing Meeting and Swap**-7:30 to 8:30pm at Audubon Library, 350 John James Audubon Parkway, Amherst. For the secret seed swap, take one packet of your favorite seeds and wrap them so you can't see what type they are. Then everyone who brings a seed packet can take a packet from the secret seed table. Also, if anyone wants to bring holiday snacks they will not be turned away! At the meeting, activities will be: 1. Turn in germination testing, 2. Fill seed library, 3. Fill seed packets. There are lots of packets to fill.

**Green Drinks Meetup**-Our next meet-up is 5:30-7:30 PM, check <http://www.greendrinks.org/buffalo> for location, Questions? Contact: Misty Dosch [misty@girvinoffice.com](mailto:misty@girvinoffice.com). We will be meeting the second Thursday of each month, so mark your calendars! Green Drinks Buffalo is a local group of Green Drinks International. Green Drinks International describes our meetups in the following way: Every month people who work in the environmental field meet up at informal sessions known as Green Drinks. We have a lively mixture of people from NGOs, academia, government and business. Come along and you'll be made welcome. Just say, "are you green?" and we will look after you and introduce you to whoever is there. Everyone invites someone else along, so there's always a different crowd, making Green Drinks an organic, self-organising network. These events are very simple and unstructured, but many people have found employment, made friends, developed new ideas, done deals and had moments of serendipity. It's a force for the good and we'd like to help it spread to other cities.

**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.

### **Friday, December 13**

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

**Buffalo Astronomical Association Meeting**-7:30pm. Building C122, Buffalo State College, 1300 Elmwood, Buffalo.

**Science After Hours: MAKE it Festive**-6 to 9pm at the Buffalo Museum of Science, \$16 each, ages 21+. [register](#). MAKE the most of the season (literally) with pop-up workshops that will kindle your festive spirit. Explore the Museum with drink in hand and join one of our make-and-take sessions. Create a wreath using old science journals, use chemistry to make your own painting and fashion an ornament for yourself or to gift to others!

### **Saturday, December 14**

**Dare to Repair Café**-9 am to 12pm at Southside Elementary, 430 Southside Pkwy, Buffalo. Free community event where individuals bring broken items (lamps, small electronics, toys etc.) and volunteer “fixers” try to repair the items for free. Info at [www.thetoollibrary.org/daretorepair](http://www.thetoollibrary.org/daretorepair)

**Snowy Owl Search: Buffalo Outer Harbor**-9 to 11am. Naturalist Tom Kerr will lead a search for snowy owls. Pre-registration is required at 585-457-3228.

**PUSH Buffalo Annual Meeting**-3 to 5pm at 429 Plymouth Ave., Buffalo.

**Animal Tracks Snowshoe Tour**-DeVeaux State Park 10am to noon with Buffalo Niagara Waterkeeper. Follow the tracks of the region’s wildlife through the old growth forest in De Veaux Woods State Park and Whirlpool State Park. Physical intensity: Low, be prepared to walk on level ground in snowshoes. Events are FREE! Registration Required. [REGISTER](#)

**Scavenger Hunt: WNY Family Nature Club**-9 to 10:30am at Stiglmeier Park, Cheektowaga. [RSVP](#).

**Make a Reusable Bag**-1 to 3pm. Stop in any time with an old t-shirt and we'll help you transform it into a reusable shopping bag! A great last-minute holiday gift. No registration required; call 716-683-5959 for more information.

**Come and Deck the Halls at the Niagara Power Vista**-With free photos with our special guest, Santa Claus, from 10 am to 2 pm, as well as crafts courtesy of the New York State Office of Parks, Recreation and Historic Preservation (NYS OPRHP) and University Heights Arts Association, Buffalo, N.Y. There will also be musical performances by the GJ Mann and Harry F. Abate combined elementary band and dance performances by Legends Dance Studio. Enjoy free rides on the Niagara Scenic Trolley between the Niagara Power Vista and Gorge Discovery Center during the event. In addition to tree viewing, guests are invited to enjoy the all-new state-of-the-art exhibits at the Niagara Power Vista. Visitors can take a seat in a 4-D theatre virtual roller coaster ride, create a transmission distribution system on a one-of-a-kind transmission grid table, build a dam or simulate the coordination of power across the state during bad weather. Parking and admission are free at the Power Vista. For more information, contact the Niagara Project Power Vista at 716-286-6661. 5777 Lewiston Rd., Lewiston.

**Hot Chocolate Hike**- 6 - 7:30 p.m. at Tiff Nature Preserve. | \$7 per participant\*, Ages 5 – Adult. Stretch your legs with a guided wintry nighttime walk and warm-up afterwards with delicious hot chocolate and mix-ins indoors. *Hot Chocolate Hikes are sponsored by Fidelis Care. Advance registration required.* [register](#)

### **Sunday, December 15**

**Evangola Christmas Bird Count**-10am to 12:30pm at [Evangola State Park](#). Join us for our annual Evangola Christmas bird count! We will be birding as a group. Both veteran and beginner birders welcome. *Call (716) 549-1050 to register for program.*

**Fun Facts with Kelly: Wetlands Edition**-2 to 3:30pm at [Royalton State Park](#). Ribbit-ribbit, splish-splash! Come out for a walk through the wetlands along 12-mile creek and learn about its inhabitants and unique offerings to animals and humans alike. *Call (716) 282-5154 to register for program.*

**Sunday Morning Hike**- Bureau of Forestry |11929 Warner Gulf Rd, East Concord, NY 14055 | 10:00 AM. Join a Park Ranger on Sunday mornings for guided vigorous hike through one of our many parks. Each week we will visit a different County Park to explore the trails and see what we can find. Please dress appropriately for the weather, and bring water. Meet at Lot #2 on Genesee Rd.

**Buffalo Ornithological Society's Christmas Bird Count**- Please join in the fun, the more the merrier! Contact David Gordon for an assignment. Compiler: David Gordon ([dgordonphoto@yahoo.com](mailto:dgordonphoto@yahoo.com) or 716-390-1429)

**Fall Family Hikes**-9:00 am - 11:00 am. Join Paths, Peaks and Paddles at Royalton State Park for a free family adventure. Dress for the weather! Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors. Info: 716-213-0350

### **Monday, December 16**

**Maker Monday!**- 4 to 5pm @ Lancaster Public Library. Join us on Mondays for hands-on STEAM activities. All ages, No registration required.

### **Tuesday, December 17**

**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 <https://buffaloah.com/h/center/lib/19.html>

**Toddler Time: Chickadee-dee-dee**-10 to 11:15am at Beaver Meadow Audubon Center. A short walk to look and listen for chickadees, themed craft and snack. Pre-registration required at 585-457-3228. Ages 2-4. \$3.

**Little Tykes Mini Nature Camp**-[register](#), 9:30 - 11:30 a.m. at Tiff Nature Preserve | \$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**-7pm at the Greenfield Health and Rehabilitation Facility, 5949 Broadway, Lancaster. Topic will be ER for Plants. Contact [judyoneil1945@gmail.com](mailto:judyoneil1945@gmail.com) for detailed directions.

### **Wednesday, December 18**

**WNY Soil Health Workshop & Annual Meeting**-9am to 3pm at Quality Inn & Suites, 8250 Park Rd. Batavia, NY. Presentations by Steve Groff and More. \$35 at the door (\$25 [pre-registration](#) by Dec. 11). For questions contact Dennis Kirby at 585-750-7737 or [wnysoilhealth@gmail.com](mailto:wnysoilhealth@gmail.com).

**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.

**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, Depew.

**SCInight Workshop: Wreathed in Reading**- 6:00 PM - 7:30 PM at the Buffalo Museum of Science. Create a book wreath for the new year from the pages of yesteryear. Take a look through a wealth of out-of-date science and culture texts to roll and build your own unique decoration. *All materials provided.* **Ages:** 18+, **Cost:** \$15 per participant (BMS Members save 10%), [Purchase Tickets](#)

#### Thursday, December 19

**Women Bird Walk Series**- 8:30 - 9:30 a.m. | \$6 per participant\* | Ages 18+. Tiff Nature Preserve. 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.* [register](#)

**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.

#### Friday, December 20

**Nature's Art Box: Macrame Feather Wall Hanging**-7 to 9pm at Beaver Meadow Audubon Center. All materials provided-make one for yourself or as a gift. Pre-registration required at 585-457-3228. Cost is \$10. Ages 14+.

#### Saturday, December 21

**Fun Facts with Kelly: Winter Birding Edition**-9 to 10:30am at [Reservoir State Park](#). Tweet, tweet! While some birds migrate away for the colder months, some overwinter in our backyards. Sit back, relax, and maybe catch a glimpse of some birds we see year-round. *Call (716) 282-5154 to register for program.*

**Knox Farm Christmas Bird Count**-10am to 12:30pm at [Knox Farm State Park](#). Join us for our annual Knox Farm Christmas bird count! We will be birding as a group. Both veteran and beginner birders welcome. *Call (716) 549-1050 to register for program.*

**Beaver Meadow Christmas Bird Count**-8am to noon. [www.buffaloudubon.org](http://www.buffaloudubon.org) Call 585-457-3228 or email Tom Kerr ([tkerr.buffaloudubon@gmail.com](mailto:tkerr.buffaloudubon@gmail.com)) to register. Birders of all experience levels are welcome.

**Winter Solstice Hike**-2 to 3:30pm at [Knox Farm State Park](#). Welcome in the winter season as we enjoy a trail hike through the park during the shortest day of the year! *Call (716) 549-1050 to register for program.*

**Winter Solstice at Beaver Meadow**- 6:30-8pm. Join Naturalist Mark Carra for a warm campfire and talk about 2019 nature discoveries. Pre-registration at 585-457-3228. \$5.

**Christmas Bird Count: Wilson/Lake Plains**- Contact Garner Light ([garnerlight@hotmail.com](mailto:garnerlight@hotmail.com)) if you are able to participate. We are always looking for new people, so please invite them to help out if you know someone who would like to participate!

**Woods Walk: Winter Tree ID**-11am. Join a guided nature walk to identify trees without their leaves. No registration required. Reinstein Woods Nature Preserve, Depew.

**Winter Solstice Celebration**-6pm. Enjoy a lantern-led evening walk as we celebrate the longest night and the return of light. Discover solstice traditions from around the world, search for nocturnal animals, and end the evening with warm drinks and snacks. \$5/person, children ages 5 and under free. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

**Hot Chocolate Hike**- 6 - 7:30 p.m. at Tiff Nature Preserve. | \$7 per participant\*, Ages 5 – Adult. Stretch your legs with a guided wintry nighttime walk and warm-up afterwards with delicious hot chocolate and mix-ins indoors. *Hot Chocolate Hikes are sponsored by Fidelis Care. Advance registration required.* [register](#)

### **Sunday, December 22**

**Sunday Morning Hike**-Location: Sprague Brook |9674 Foote Rd, Glenwood, NY 14069 | 10:00 AM. Join a Park Ranger on Sunday mornings for guided vigorous hike through one of our many parks. Each week we will visit a different County Park to explore the trails and see what we can find. Please dress appropriately for the weather, and bring water. Meet at the tennis courts.

### **Monday, December 23**

**Niagara Power Project Festival of Trees**-9am-5pm daily. See the Niagara Power Vista transformed into a winter wonderland with a dazzling display of reusable evergreen trees, adorned with energy efficient holiday lights and decorated by local non-profit groups. In addition to tree viewing, guests are invited to enjoy hands-on experiences and learn about hydroelectricity and the historic role it has played in the Niagara Frontier. You will love the all-new state-of-the-art exhibits at the Niagara Power Vista! Parking and admission are FREE. 5777 Lewiston Rd., Lewiston.

### **Tuesday, December 24**

**Niagara Power Project Festival of Trees**-9am-5pm daily. See the Niagara Power Vista transformed into a winter wonderland with a dazzling display of reusable evergreen trees, adorned with energy efficient holiday lights and decorated by local non-profit groups. In addition to tree viewing, guests are invited to enjoy hands-on experiences and learn about hydroelectricity and the historic role it has played in the Niagara Frontier. You will love the all-new state-of-the-art exhibits at the Niagara Power Vista! Parking and admission are FREE. 5777 Lewiston Rd., Lewiston.

### **Wednesday, December 25**

**Woodlawn Beach Christmas Bird Count**-12:30 to 2:30pm at Woodlawn Beach State Park. Join us for our first ever Woodlawn Beach Christmas bird count! We will be birding as a group, exploring the beach and wetland trails. *Call (716) 549-1050 to register for program.*

### **Thursday, December 26**

**Science Fun**-6 to 7pm at Alden- Ewell Library. Come join us for science fun! Ages 6 and up are welcome. Registration is encouraged for new participants. You can register here, in the library, or by phone at 716-937-7082.

**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.

### **Friday, December 27**

**Niagara Falls Christmas Bird Count**- Willie D'Anna (NYS: dannapotter@roadrunner.com or 716-751-3637) for details.

**Oak Orchard Bird Count**-Contact Celeste Morien (celeste.morien@gmail.com or 585-721-8202) for details.



## Saturday, December 28

**Niagara Rapids Birding: Goat Island**-10am to noon. Join Buffalo Audubon Naturalist Tom Kerr for a morning bird hike to view winter gulls and waterfowl. We have special access to the site. Meet at Parking lot #3. Pre-registration required at 585-457-3228.

**East Aurora/Orchard Park Bird Count**-Contact Tom O'Donnell (tmodonnell@roadrunner.com or 716-284-5569) for more info.

**Family Nature Quest: Winter Wildlife**-10:30pm. Look for signs of who is out and about in the winter woods, and discover how animals survive the cold. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

**Hot Chocolate Hike**- 6 - 7:30 p.m. at Tiff Nature Preserve. | \$7 per participant\*, Ages 5 – Adult. Stretch your legs with a guided wintry nighttime walk and warm-up afterwards with delicious hot chocolate and mix-ins indoors. *Hot Chocolate Hikes are sponsored by Fidelis Care. Advance registration required.* [register](#)

## Sunday, December 29

**Sunday Morning Hike**-Location: Chestnut Ridge | 6121 Chestnut Ridge Road, Orchard Park, NY 14127 | 10:00 AM. Join a Park Ranger on Sunday mornings for guided vigorous hike through one of our many parks. Each week we will visit a different County Park to explore the trails and see what we can find. Please dress appropriately for the weather, and bring water. Meet at Shelter #21.

## Monday, December 30

**Information Table: Buffalo Energy**-10am to 3pm. Buffalo Energy presents information about EmPower New York, a program that offers energy efficiency services designed to reduce high energy usage at no cost to income-eligible households. Ellicott A (near computers), Central Library, Buffalo.

## Tuesday, December 31

**Beaver Island Blizzard Bash!**-10am to noon at [Beaver Island State Park](#). "Zing" in New Year's Eve on a snowshoe hike along the majestic Niagara River! It's a great chance to try our lightweight "Atlas" snowshoes on our 3<sup>rd</sup> Annual "Beaver Island Blizzard Bash!" *Call (716) 549-1050 to register for program.*

## Wednesday, January 1

**First Day Hike**-11am. Ring in New Year's Day with a hike led by a DEC Forest Ranger, who will discuss how to prepare for any outdoor adventure. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

**5th Annual New Year's Day Hike for your Health**- Pfeiffer Nature Center. Details at <http://pfeiffernaturecenter.org/nature-blog/>

**Christmas Bird Count: Dunkirk / Fredonia**- Contact Compiler: Joanne Goetz (716-673-1627 or [goetz@netsync.net](mailto:goetz@netsync.net)) for more info.

**First Day Hike: First Day Lake & Forest Exploration**-09:00 AM at Evangola State Park. Celebrate the New Year and explore the park through an "Old Growth Forest" along Lake Erie's shore! Remember to dress warm! Meet at the warm-up room/bathroom for this easy 1 mile hike. Registration required by calling 716-549-1050. *Registration: Required*

**A Gorgeous First Day Hike!**- 10:00 AM at De Veaux Woods State Park. Start the New Year off with a hike through an old growth woods and see what's new at DeVeaux Woods State Park! Dress for the weather, camera and binoculars suggested. Meet at the Castellani Building for this easy 1.25 mile hike. Pre-registration is required by calling 716-282-5154. *Registration: Required*



**First Day Big Tree Hike-** 10:00 AM at Knox Farm State Park. Start your New Year off right with an invigorating hike through Knox Farm and visit the park's largest trees! Meet at the visitor parking lot for this easy 1.5 mile hike. Registration is required by calling 716-549-1050. *Registration:* Required.

**First Day Hike-**02:00 PM at Fort Niagara State Park. Join us a tour of the Officer's Club to view the stunning murals and museum displays, followed by a walk to view the War of 1812 Cemetery, the lighthouse, and Old Fort Niagara from the parking lot. (The Fort is Closed on New Year's Day.) This easy hike is less than a mile and starts at 2pm. Preregistration is required.

**Let's go to Niagara Falls!**- 02:00 PM at Niagara Falls State Park. Join us for an afternoon stroll as we welcome the 1st day of the New Year at the falls! Stories will be told along the way of America's oldest state park! Dress for the weather, camera and binoculars suggested. Meet at the Goat Island Parking Lot #3 for this easy 1.5 Mile hike. Pre-registration is required by calling 716-282-5154.

#### **Thursday, January 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.

#### **Friday, January 3**

**Buffalo Geological Society Meeting-**7:30pm at Heritage Discovery Center, 100 Lee Street, Buffalo NY.

#### **Saturday, January 4**

**Horticulture 2-**11am-1pm at Botanical Gardens. Garden Members \$108/series, \$18/class, General Public \$138/series, \$23/class. Refresh your gardening skills, learn new concepts and ideas, and explore the botanical world with classes designed and led by David R. Clark, Horticulturist & CNLP. Great for beginners or gardeners wishing to brush up on their skills. Perfect for gifts, or share the experience with friends! Those who complete each series will be presented with a certificate upon completion. [Register](#). Topic: Water Gardening.

**New Year's Bird Hike-**9:30am. Celebrate the beginning of a new year with a guided bird-watching hike on the trails. Learn how birds survive the winter and bring your binoculars to spot them! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

**Woods Walk: Animal Signs-**11am. Join a guided nature walk to search for signs of local wildlife. No registration required. Reinstein Woods Nature Preserve, Depew.

**Hot Chocolate Hike-** 6 - 7:30 p.m. at Tiff Nature Preserve. | \$7 per participant\*, Ages 5 – Adult. Stretch your legs with a guided wintry nighttime walk and warm-up afterwards with delicious hot chocolate and mix-ins indoors. *Hot Chocolate Hikes are sponsored by Fidelis Care. Advance registration required.* [register](#)

### **Tips for the Environment:**

- 1. Corrugated Cardboard** - RecycleRight NY is focusing on cardboard for December. To properly recycle, **Remove all packing materials** like packing peanuts, bubble wrap, and air pillows from the box (some of these can be recycled at separate drop off locations found at many retail stores. For a materials list and drop off locations visit: <https://www.plasticfilmrecycling.org/>). Keep the cardboard clean and dry and flatten it.
- 2. Consider green living gifts**-the gift of a plant continues beyond the holidays and is good for the planet. Seeds can be used next year as a way to extend the growing.

3. **Use alternative food storage to plastic**-consider beeswax, paper, cloth and glass for your storage. Glass containers can be microwaved without the risks associated with heating plastics. For tips, check <https://foodrevolution.org/blog/safest-food-storage-containers/>

## 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](mailto: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](mailto: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](mailto: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](http://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@excaliburl.org](mailto:jim@excaliburl.org) or visit <http://excaliburl.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](mailto:GardenWalkBuffalo@yahoo.com).

**Go Bike Buffalo**- If you're interested or want more information, [info@gobikebuffalo.org](mailto: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](mailto: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](mailto: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](mailto:muj265@homeny.org) or visit their website at [www.homeny.org](http://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](mailto: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](mailto: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](http://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](#)!

**Tift Nature Preserve** also needs volunteers for their programs, communications, fund-raising and other events. [716-825-6397](tel:716-825-6397) and [tiftreservations@sciencebuff.org](mailto:tiftreservations@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](http://www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029)  
Black Dog Rescue- [www.blackdogsecondchance.org](http://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](http://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](http://www.tinyurl.com/SustainabilityAndGreenJobs)

### **Youth Summer/Holiday Camps/Home School Series**

[www.aquariumofniagara.org](http://www.aquariumofniagara.org)  
[www.buffaloaudubon.org](http://www.buffaloaudubon.org)

[www.buffalogardens.com](http://www.buffalogardens.com)  
[www.buffscience.org](http://www.buffscience.org)  
[www.tifft.org](http://www.tifft.org)  
[www.buffalozoo.org](http://www.buffalozoo.org)  
[www.penndixie.org](http://www.penndixie.org)  
[www.yourspca.org](http://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](http://www.grantstation.com)  
[www.grantwatch.com](http://www.grantwatch.com)  
[www.grantsalert.com](http://www.grantsalert.com)  
<https://attra.ncat.org/index.php>  
<https://grantsreform.ny.gov/>

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

Arden Farm- <http://theardenfarm.com/>  
Becker Farms- <http://www.beckerfarms.com/csa>  
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](http://www.fentonsproduce.com)  
First Light Farm and Creamery- <http://www.firstlightfarmer.com/>  
Five Loaves Farm- <https://5loavesfarm.org/>  
Good Food Farm- [www.goodfoodfarm.blogspot.com](http://www.goodfoodfarm.blogspot.com)  
Gormley Farms- <https://www.facebook.com/gormleyfarms>  
Green Heron Growers- <http://www.greenherongrowers.com/>  
Green Shoots- [www.jersbuffalo.org/index.php/programs/category/Green Shoots for New Americans](http://www.jersbuffalo.org/index.php/programs/category/Green_Shoots_for_New_Americans)  
Gregs U-Pick- <http://gregsupick.com/>  
Groundwork Market Garden- <http://www.groundworkmg.com>  
Harvest Patch- <http://www.harvestpatch.com/>  
Healthy Living Farm- <https://www.healthylivingfarm.com>  
Kindred Kreek Farms- <https://www.kindredkreek.com/>  
Little Bear Farm- <http://www.littlebearfarm.com/>  
McCollum Orchards/Wildwood CSA- <http://www.oldfarmnewlife.com/>  
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>



Native Offerings- <http://nativeofferings.com/>  
Niagara Malt- [www.niagaramalt.com](http://www.niagaramalt.com)  
Plato Dale Farm- <https://platodalefarm.com/>  
Porter Farms- <http://www.porterfarms.org/>  
The Promised Land- <http://promisedlandcsa.com/>  
Providence Creek Farm- <http://www.providencecreekfarm.com/>  
Richardson Farms/Grace's Garden- <https://www.facebook.com/groups/RichardsonFarmsAkronNY/>  
Roots & Wings Family Farm- <https://www.facebook.com/rootsandwingsfarm/>  
Root Down- [www.therootdownfarm.com](http://www.therootdownfarm.com)  
Sinemus Farms- <http://www.sinemusfarms.com/>  
Singer Farms Naturals-[www.singerfarmnaturals.com](http://www.singerfarmnaturals.com)  
Teacup Farm- <http://www.teacupfarm.com/>  
Thorpe's Organic Farm- [www.thorpesorganicfamilyfarm.com](http://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/](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 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](http://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](http://www.booksforafrica.org), [www.operationpaperback.org](http://www.operationpaperback.org)  
Bottle and jar caps-Weisenbach Recycled Products in Ohio. [CapsCando.com](http://CapsCando.com).  
Bras- [www.donateyourbra.com](http://www.donateyourbra.com), [www.brarecycling.us](http://www.brarecycling.us)  
Building materials- [www.buffaloreuse.org](http://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/](http://www.donatemyweddingdress.org/), [www.careergear.org](http://www.careergear.org), [www.dressforsuccess.org](http://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/>  
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](http://www.greenergadgets.org/recycling-responsibly.html), most electronics stores, [www.sunnking.com](http://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 18<sup>th</sup> 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](http://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](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](http://www.plasticfilmrecycling.org)  
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448  
Recycling A to Z - [realsimple](#)  
Shoes, athletic-[NikeReuseAShoe.com](http://NikeReuseAShoe.com), [Souls4Souls.org](http://Souls4Souls.org) and [OneWorldRunning.com](http://OneWorldRunning.com)  
Sports equipment-resell/trade at [www.playitagainsports.com](http://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](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](http://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/>  
Coursera- [www.coursera.org](http://www.coursera.org)

### **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](http://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](http://www.greatlakes.org)

American Planning Association-WNY Section/Upstate

[www.wnyapa.com](http://www.wnyapa.com)

American Meteorological Society-WNY Chapter

[www.facebook.com/amswnychapter](http://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](http://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.buffaloaudubon.org](http://www.buffaloaudubon.org)

Buffalo Blueway	<a href="https://buffaloblueway.com/">https://buffaloblueway.com/</a>
Buffalo Niagara Community Reinvestment Coalition	<a href="https://www.facebook.com/BNCRC/">https://www.facebook.com/BNCRC/</a>
Buffalo Niagara Gardening	<a href="https://buffalo-niagaragardening.com/">https://buffalo-niagaragardening.com/</a>
Buffalo and Erie County Botanical Gardens	<a href="http://www.buffalogardens.com">www.buffalogardens.com</a>
Buffalo Farm to School Program	<a href="http://buffalofarmentoschool.org/">http://buffalofarmentoschool.org/</a>
Buffalo Geological Society	<a href="http://www.bgsny.org">www.bgsny.org</a>
Buffalo Heritage Carousel	<a href="http://buffaloheritagecarousel.org/">http://buffaloheritagecarousel.org/</a>
Buffalo in Bloom	<a href="http://www.buffaloinbloom.com">http://www.buffaloinbloom.com</a>
Buffalo Maritime Center	<a href="http://www.buffalomaritimecenter.org/">http://www.buffalomaritimecenter.org/</a>
Buffalo Museum of Science	<a href="http://www.sciencebuff.org/">www.sciencebuff.org/</a>
Buffalo Niagara Heritage Village	<a href="http://bnhv.org/">http://bnhv.org/</a>
Buffalo Niagara Waterkeeper	<a href="https://bnwaterkeeper.org/">https://bnwaterkeeper.org/</a>
Buffalo Olmsted Parks Conservancy	<a href="http://www.bfloparks.org">www.bfloparks.org</a>
Buffalo Orienteering Club	<a href="http://www.buffalo-orienteering.org/">http://www.buffalo-orienteering.org/</a>
Buffalo Ornithological Society	<a href="http://www.buffaloomithologicalsociety.org/">http://www.buffaloomithologicalsociety.org/</a>
Buffalo Recycles	<a href="http://buffalorecycles.org/">http://buffalorecycles.org/</a>
Buffalo ReUse	<a href="http://www.buffaloreuse.org/">www.buffaloreuse.org/</a>
Buffalo Urban Development Corp	<a href="http://budc.ecidany.com/">http://budc.ecidany.com/</a>
Buffalo Zoo	<a href="http://www.buffalozoo.org">www.buffalozoo.org</a>
Burchfield Nature and Art Center	<a href="http://www.burchfieldnac.org/">http://www.burchfieldnac.org/</a>
Center for Environmental Information (Rochester)	<a href="http://ceinfo.org/">http://ceinfo.org/</a>
Center for the Study of Art, Architecture, History and Nature	<a href="http://buffaloah.com/h/center/index.html">http://buffaloah.com/h/center/index.html</a>
Chautauqua Watershed Conservancy	<a href="http://www.chautauquawatershed.org/">http://www.chautauquawatershed.org/</a>

Chestnut Ridge Conservancy	<a href="http://chestnutridgeconservancy.org/">http://chestnutridgeconservancy.org/</a>
Citizens Campaign for the Environment	<a href="http://www.citizenscampaign.org">www.citizenscampaign.org</a>
Citizens Coalition for Wildlife and Environment	<a href="http://citizencoalitionwe.com/">http://citizencoalitionwe.com/</a>
Citizens for Regional Transit	<a href="http://www.citizenstransit.org/">www.citizenstransit.org/</a>
City Action Corps	<a href="http://www.cityactioncorps.org">www.cityactioncorps.org</a>
Clarence Bluebird Trail	<a href="http://www.clarencebluebirdtrail.org">www.clarencebluebirdtrail.org</a>
Clean Air Coalition of Western New York	<a href="https://www.cacwny.org/">https://www.cacwny.org/</a>
Clean Communities of Western New York	<a href="http://www.ccofwny.org/">http://www.ccofwny.org/</a>
Coalition of Positively Charged People	<a href="https://www.coalitionpositive.org/">https://www.coalitionpositive.org/</a>
Community Action Organization of Erie County	<a href="http://www.caoec.org/">http://www.caoec.org/</a>
Community Foundation for Greater Buffalo	<a href="http://www.cfgb.org/">http://www.cfgb.org/</a>
Cornell Cooperative Extension for Cattaraugus County	<a href="http://cattaraugus.cce.cornell.edu/">http://cattaraugus.cce.cornell.edu/</a>
Cornell Cooperative Extension for Chautauqua County	<a href="http://chautauqua.cce.cornell.edu">http://chautauqua.cce.cornell.edu</a>
Cornell Cooperative Extension for Erie County	<a href="http://erie.cce.cornell.edu/">http://erie.cce.cornell.edu/</a>
Cornell Cooperative Extension for Niagara County	<a href="http://cceniagaracounty.org/">http://cceniagaracounty.org/</a>
Daemen College Center for Sustainability	<a href="http://www.daemen.edu/enviro-news">www.daemen.edu/enviro-news</a>
Department of Environmental Conservation (NY State)	<a href="http://www.dec.ny.gov/index.html">www.dec.ny.gov/index.html</a>
Designing to Live Sustainably	<a href="https://www.facebook.com/d2lsBuffalo/">https://www.facebook.com/d2lsBuffalo/</a>
Drave's Arboretum	<a href="https://www.facebook.com/dravesarboretum/">https://www.facebook.com/dravesarboretum/</a>
Earth Spirit Educational Services	<a href="http://www.earthspiritedu.org">www.earthspiritedu.org</a>
Environmental Education Associates	<a href="http://environmentaleducation.com/">http://environmentaleducation.com/</a>
Environmental Protection Agency Local Office (716) 551-4410	<a href="http://www2.epa.gov/aboutepa/epa-region-2">http://www2.epa.gov/aboutepa/epa-region-2</a>
Erie Canal Harbor Development	<a href="https://esd.ny.gov/erie-canal-harbor-development-corporation-0">https://esd.ny.gov/erie-canal-harbor-development-corporation-0</a>
Erie County Climate Action & Sustainability	<a href="http://www2.erie.gov/environment/sustainability">http://www2.erie.gov/environment/sustainability</a>



Erie County Conservation Society	<a href="http://eccs-club.org/">http://eccs-club.org/</a>
Erie County Department of Environment and Planning	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Environment Management Council	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Farm Bureau	<a href="http://www.ecfarm.com/">http://www.ecfarm.com/</a>
Erie County Federation of Sportsmen's Clubs	<a href="http://www.eriectyfsc.org/">http://www.eriectyfsc.org/</a>
Erie County Parks and Recreation	<a href="http://www.erie.gov/parks">http://www.erie.gov/parks</a>
Erie County Soil and Water Conservation	<a href="http://www.ecswcd.org/">www.ecswcd.org/</a>
Excalibur Leisure Skills	<a href="https://www.facebook.com/excaliburleisureskills/">https://www.facebook.com/excaliburleisureskills/</a>
Explore Buffalo	<a href="http://www.explorebuffalo.org">www.explorebuffalo.org</a>
Farm2Curb	<a href="https://www.facebook.com/farmtocurb">https://www.facebook.com/farmtocurb</a>
Field and Fork Network	<a href="http://fieldandforknetwork.com/">http://fieldandforknetwork.com/</a>
First Hand Learning	<a href="http://www.firsthandlearning.org">www.firsthandlearning.org</a>
Food Policy Council of Buffalo & Erie County	<a href="http://www2.erie.gov/fpc/">http://www2.erie.gov/fpc/</a>
Foundry	<a href="http://thefoundrybuffalo.org/">http://thefoundrybuffalo.org/</a>
Friends of the Iroquois National Wildlife Refuge	<a href="http://www.friendsofiroquoisnwr.org/">http://www.friendsofiroquoisnwr.org/</a>
Friends of Reinstein Woods	<a href="http://reinsteinwoods.org">http://reinsteinwoods.org</a>
Friends of Times Beach Nature Preserve	<a href="http://www.friendsoftimesbeachnp.org/">http://www.friendsoftimesbeachnp.org/</a>
Foothills Trail Club	<a href="http://www.foothillstrailclub.org">www.foothillstrailclub.org</a>
Gardens Buffalo Niagara	<a href="https://gardensbuffaloniagara.com/">https://gardensbuffaloniagara.com/</a>
Garden Clubs of WNY	<a href="http://www.gardenclubsofwny.com">www.gardenclubsofwny.com</a>
Genesee County Nature Center	<a href="http://co.genesee.ny.us/departments/parks/inc.php">http://co.genesee.ny.us/departments/parks/inc.php</a>
Genesee County Village & Museum	<a href="https://www.gcv.org/">https://www.gcv.org/</a>
Global Justice Ecology Project	<a href="http://globaljusticeecology.org/">http://globaljusticeecology.org/</a>
Go Bike Buffalo	<a href="http://gobikebuffalo.org/">http://gobikebuffalo.org/</a>

Go Buffalo Niagara	<a href="http://gobuffaloniagara.org">http://gobuffaloniagara.org</a>
Gooseneck Hill Waterfowl Sanctuary	<a href="http://www.gooseneckhillwaterfowlfarm.com">www.gooseneckhillwaterfowlfarm.com</a>
Grassroots Gardens of Buffalo	<a href="http://www.grassrootsgardens.org/">www.grassrootsgardens.org/</a>
Greater Buffalo-Niagara Regional Transportation Council	<a href="http://www.gbnrtc.org/">www.gbnrtc.org/</a>
Great Lakes Beach Sweep	<a href="http://greatlakesbeachsweep.org/">http://greatlakesbeachsweep.org/</a>
Great Lakes Center at Buffalo State College	<a href="http://greatlakescenter.buffalostate.edu/">http://greatlakescenter.buffalostate.edu/</a>
Great Lakes Experience	<a href="http://www.thegreatlakesexperience.org">http://www.thegreatlakesexperience.org</a>
Green Sun Seed Library	<a href="https://www.facebook.com/groups/GreenSunSeedLibrary/">www.facebook.com/groups/GreenSunSeedLibrary/</a>
Greenworks WNY	<a href="https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/">https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/</a>
Groundwork Buffalo	<a href="http://gwbuffalo.org/">http://gwbuffalo.org/</a>
Habitat for Humanity Buffalo	<a href="http://www.habitatbuffalo.org/">http://www.habitatbuffalo.org/</a>
Hawk Creek Wildlife Center	<a href="https://www.hawkcreek.org">https://www.hawkcreek.org</a>
HEART Animal Rescue and Adoption	<a href="https://www.heartforanimals.org/">https://www.heartforanimals.org/</a>
Heart of the City Neighborhoods, Inc.	<a href="http://www.hocn.org">www.hocn.org</a>
H.O.P.E of WNY	<a href="https://www.reptilekeeperllc.com/">https://www.reptilekeeperllc.com/</a>
Housing Opportunities Made Equal	<a href="http://www.homeny.org/">http://www.homeny.org/</a>
Imagine Greater Buffalo Lifelong Learning	<a href="http://imaginelifelonglearning.com/">http://imaginelifelonglearning.com/</a>
Inland Ocean Coalition-Buffalo Chapter	<a href="https://inlandoceancoalition.org/whoweare/chapters/buffalo/">https://inlandoceancoalition.org/whoweare/chapters/buffalo/</a>
Innovation Center Buffalo	<a href="http://innovationcenterbuffalo.org/">http://innovationcenterbuffalo.org/</a>
Iroquois National Wildlife Refuge	<a href="http://www.fws.gov/refuge/iroquois/">http://www.fws.gov/refuge/iroquois/</a>
Jamestown Audubon Center & Sanctuary	<a href="http://auduboncnc.org/">http://auduboncnc.org/</a>
Jamestown Community College	<a href="http://www.sunyjcc.edu/sustainability">http://www.sunyjcc.edu/sustainability</a>
Junior Solar Sprint Buffalo	<a href="http://www.jssbuffalo.com">www.jssbuffalo.com</a>
League of Women Voters of Buffalo Niagara	<a href="http://www.lwvbn.org/">http://www.lwvbn.org/</a>

Local Initiatives Support Corporation	<a href="http://www.lisc.org/buffalo/">http://www.lisc.org/buffalo/</a>
Lyceum at Silo City	<a href="https://www.lyceumsilo.city/">https://www.lyceumsilo.city/</a>
Massachusetts Avenue Project	<a href="http://mass-ave.org/">http://mass-ave.org/</a>
Matt Urban Human Services Center	<a href="http://urbanctr.org/">http://urbanctr.org/</a>
Messinger Woods Wildlife Care and Education Center, Inc	<a href="http://www.messingerwoods.org">www.messingerwoods.org</a>
Nannen Arboretum	<a href="http://www.nannenarboretum.org/">http://www.nannenarboretum.org/</a>
Nature Conservancy-Central and Western New York Chapter	<a href="http://Nature.org">http://Nature.org</a>
Nature Sanctuary of Western New York	<a href="http://nsswny.org/">http://nsswny.org/</a>
New York Farm Bureau	<a href="http://www.nyfb.org/">http://www.nyfb.org/</a>
New York Flora Association	<a href="http://www.nyflora.org/">http://www.nyflora.org/</a>
New York Forest Owner's Association	<a href="http://www.nyfoa.org">www.nyfoa.org</a>
New York Interfaith Power and Light	<a href="http://www.newyorkipl.org/">www.newyorkipl.org/</a>
New York League of Conservation Voters	<a href="http://www.nylcv.org/">http://www.nylcv.org/</a>
New York Power Authority	<a href="http://www.nypa.gov">www.nypa.gov</a>
New York Public Interest Research Group	<a href="http://www.nypirg.org/">http://www.nypirg.org/</a>
New York State Association of Conservation Commissions	<a href="http://www.nysaccny.org/index.php">http://www.nysaccny.org/index.php</a>
New York State Ornithological Association	<a href="http://nybirds.org/index.html">http://nybirds.org/index.html</a>
New York State Outdoor Education Association	<a href="http://nysoea.org/">http://nysoea.org/</a>
New York State Parks	<a href="https://parks.ny.gov/">https://parks.ny.gov/</a>
New York State Sea Grant	<a href="http://www.seagrantsunysb.edu/">http://www.seagrantsunysb.edu/</a>
New York State Soil and Water	<a href="http://www.nys-soilandwater.org/">http://www.nys-soilandwater.org/</a>
Northeast Sustainable Agriculture Working Group	<a href="http://nesawg.org/">http://nesawg.org/</a>
New York Upstate Chapter of the Green Building Council	<a href="http://www.greenupstateny.org/">http://www.greenupstateny.org/</a>
New York Upstate Chapter, Landscape Architects	<a href="https://www.nyuasla.org/">https://www.nyuasla.org/</a>

New York State Wetlands Forum	<a href="http://www.wetlandsforum.org">http://www.wetlandsforum.org</a>
Niagara County Farm Bureau	<a href="http://www.niagaracountyfarmbureau.com/">http://www.niagaracountyfarmbureau.com/</a>
Niagara County Landfill and Recycling	<a href="http://www.rethinkyourwaste.com/">http://www.rethinkyourwaste.com/</a>
Niagara County Parks	<a href="http://www.niagaracounty.com/Parks/">http://www.niagaracounty.com/Parks/</a>
Niagara County Soil and Water Conservation District	<a href="http://www.niagaraswcd.com">www.niagaraswcd.com</a>
Niagara Fishing Expo	<a href="http://niagarafishingexpo.com/">http://niagarafishingexpo.com/</a>
Niagara Frontier Botanical Society	<a href="https://sites.google.com/a/niagarafontierbotanicalsociety.org/niagarasociety/home/">https://sites.google.com/a/niagarafontierbotanicalsociety.org/niagarasociety/home/</a>
Niagara River Anglers Association	<a href="https://www.facebook.com/Niagara-River-Anglers-101363388708865/">www.facebook.com/Niagara-River-Anglers-101363388708865/</a>
Niagara River Greenway Commission	<a href="https://www.niagararivergreenway.com/">https://www.niagararivergreenway.com/</a>
Niagara University Sustainability	<a href="http://www.niagara.edu/green/">http://www.niagara.edu/green/</a>
Northeast Organic Farming Association of New York	<a href="http://nofany.org">http://nofany.org</a>
Oakmossed Education	<a href="http://oakmossed.com">http://oakmossed.com</a>
One Region Forward	<a href="http://www.oneregionforward.org/">http://www.oneregionforward.org/</a>
Open Buffalo	<a href="http://www.openbuffalo.org/">http://www.openbuffalo.org/</a>
Our Outer Harbor	<a href="http://www.ourouterharbor.org/">http://www.ourouterharbor.org/</a>
Partners for a Livable WNY	<a href="https://www.livablewny.org/">https://www.livablewny.org/</a>
Partnership for the Public Good	<a href="http://www.ppgbuffalo.org">www.ppgbuffalo.org</a>
Paths, Peaks and Paddles	<a href="http://www.pathspeakspaddles.com">www.pathspeakspaddles.com</a>
Pelion Garden	<a href="https://peliongarden.org">https://peliongarden.org</a>
Penn Dixie Paleontological and Outdoor Education Center	<a href="http://www.penndixie.org">www.penndixie.org</a>
Pfeiffer Nature Center (Portville)	<a href="http://www.pfeiffernaturecenter.org">www.pfeiffernaturecenter.org</a>
People United for Sustainable Housing	<a href="http://www.pushbuffalo.org">http://www.pushbuffalo.org</a>
Plant WNY	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
Pollinator Conservation Association	<a href="http://www.pollinatorconservationassociation.org/">http://www.pollinatorconservationassociation.org/</a>

Preservation Buffalo Niagara	<a href="http://www.preservationbuffaloniagara.org/">http://www.preservationbuffaloniagara.org/</a>
Primate Sanctuary	<a href="http://theprimatesanctuary.com">http://theprimatesanctuary.com</a>
PUSH Blue	<a href="https://www.facebook.com/PUSHBlueWNY/">https://www.facebook.com/PUSHBlueWNY/</a>
Regional Councils NYS	<a href="http://regionalcouncils.ny.gov">http://regionalcouncils.ny.gov</a>
Reinstein Woods Nature Preserve	<a href="http://www.dec.ny.gov/education/1837.html">www.dec.ny.gov/education/1837.html</a>
ReNU Niagara	<a href="https://levesqueinstitute.niagara.edu/">https://levesqueinstitute.niagara.edu/</a>
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	<a href="http://rarerehab.org/">http://rarerehab.org/</a>
Restore our Community Coalition	<a href="http://roccbuffalo.org/">http://roccbuffalo.org/</a>
Retree Western New York	<a href="http://www.re-treewny.org">www.re-treewny.org</a>
ReUse Action	<a href="http://reuseaction.com/">http://reuseaction.com/</a>
Rise Up for Climate Justice	<a href="https://www.facebook.com/riseupforclimatejustice/">https://www.facebook.com/riseupforclimatejustice/</a>
Rochester Environmental Groups	<a href="http://rochesterenvironment.com/EXTRA/enviromentalists.htm">http://rochesterenvironment.com/EXTRA/enviromentalists.htm</a>
Roger Tory Peterson Institute	<a href="http://www.rtpi.org">www.rtpi.org</a>
Science Demands Action	<a href="http://www.sciencedemandsaction.org">www.sciencedemandsaction.org</a>
Service Collaborative of WNY	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Sierra Club (Niagara Group of Atlantic Chapter)	<a href="http://niagarasierraclub.com/">http://niagarasierraclub.com/</a>
Slow Roll Buffalo	<a href="http://slowrollbuffalo.org/">http://slowrollbuffalo.org/</a>
South Buffalo Alive	<a href="https://www.facebook.com/South-Buffalo-Alive-174141769403626/">https://www.facebook.com/South-Buffalo-Alive-174141769403626/</a>
SPCA serving Erie County	<a href="http://www.yourspca.org">www.yourspca.org</a>
Street Synergy	<a href="http://www.streetsynergy.org/">http://www.streetsynergy.org/</a>
SUNY Fredonia	<a href="http://www.fredonia.edu/gogreen/">http://www.fredonia.edu/gogreen/</a>
Sustainability at Buffalo State	<a href="http://sustainability.buffalostate.edu/">http://sustainability.buffalostate.edu/</a>
Tifft Nature Preserve	<a href="http://www.tifft.org/tifft/">http://www.tifft.org/tifft/</a>
Tonawanda Creek Watershed Committee	<a href="https://www.facebook.com/TonawandaCreek/">https://www.facebook.com/TonawandaCreek/</a>



Tonawanda Tomorrow	<a href="http://tonawandatomorrow.org/">http://tonawandatomorrow.org/</a>
Tuscarora Environmental Task Force	<a href="http://www.tuscaroraenvironment.com">http://www.tuscaroraenvironment.com</a>
21 <sup>st</sup> Century Park on the Outer Harbor	<a href="http://21stcenturypark.org/">http://21stcenturypark.org/</a>
UB Engineers for a Sustainable World	<a href="http://www.eswub.com/">http://www.eswub.com/</a>
UB Environmental Network	<a href="https://www.facebook.com/UBEnvironmentalNetwork/">https://www.facebook.com/UBEnvironmentalNetwork/</a>
UB Office of Sustainability	<a href="http://www.buffalo.edu/sustainability.html">http://www.buffalo.edu/sustainability.html</a>
UB Regional Institute	<a href="http://regional-institute.buffalo.edu/">http://regional-institute.buffalo.edu/</a>
Urban Land Institute	<a href="http://newyork.uli.org">http://newyork.uli.org</a>
Urban Roots	<a href="http://www.urbanroots.org/">www.urbanroots.org/</a>
US Army Corps of Engineers-Buffalo District	<a href="http://www.lrb.usace.army.mil/">http://www.lrb.usace.army.mil/</a>
US Coast Guard-Boating Safety	<a href="http://www.wnyboatsafe.org/">http://www.wnyboatsafe.org/</a>
Vision Niagara	<a href="http://visionniagara.org/">http://visionniagara.org/</a>
Voice-Buffalo	<a href="https://voicebuffalo.org/">https://voicebuffalo.org/</a>
WASH Project	<a href="http://thewashproject.org/">http://thewashproject.org/</a>
Wellness Institute	<a href="http://www.healthycommunitynetwork.com/">http://www.healthycommunitynetwork.com/</a>
Western Chapter New York Water Environment Association	<a href="http://nywea.org/">http://nywea.org/</a>
Western New York AmeriCorps (Service Collaborative)	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Western New York Earth Day	<a href="http://www.wnyearthday.org/">http://www.wnyearthday.org/</a>
Western New York Environmental Alliance	<a href="http://www.growwny.org/">http://www.growwny.org/</a>
Western New York Family Nature Club	<a href="http://lthibault.wixsite.com/wnyfamilynatureclub">http://lthibault.wixsite.com/wnyfamilynatureclub</a>
Western New York Food Hub	<a href="http://wnyfoodhub.com">http://wnyfoodhub.com</a>
Western New York Herpetological Society	<a href="http://www.wnyherpsociety.org/">http://www.wnyherpsociety.org/</a>
Western New York Hiking Trails and resources	<a href="http://www.wnyhikes.com">www.wnyhikes.com</a>
Western New York Land Conservancy	<a href="https://www.wnylc.org/">https://www.wnylc.org/</a>

WNY Nursery and Landscape Association (PLANT WNY)	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
WNY Partnership for Invasive Species Mgmt (PRISM)	<a href="http://www.wnyprism.org">www.wnyprism.org</a>
WNY Mountain Bike Association	<a href="http://www.wnymba.org">http://www.wnymba.org</a>
WNY Permaculture	<a href="https://www.facebook.com/WNY-Permaculture-1098493876841295/">https://www.facebook.com/WNY-Permaculture-1098493876841295/</a>
Western New York Science Congress	<a href="http://wnyssc.org/">http://wnyssc.org/</a>
WNY Seed Library	<a href="https://www.facebook.com/wnyseedlibrary/">https://www.facebook.com/wnyseedlibrary/</a>
Western New York Service Learning Coalition	<a href="http://levesqueinstitute.niagara.edu/programs/wnyslc/">http://levesqueinstitute.niagara.edu/programs/wnyslc/</a>
Western New York Soil Health Alliance	<a href="http://www.wnysoilhealth.com">www.wnysoilhealth.com</a>
WNY STEM	<a href="http://wnystem.org/">http://wnystem.org/</a>
Western New York Stormwater Coalition	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Western New York Sustainable Business Roundtable	<a href="http://www.wnysustainablebusiness.org/">http://www.wnysustainablebusiness.org/</a>
Western New York Sustainable Energy Association	<a href="https://www.facebook.com/WNYSEA">https://www.facebook.com/WNYSEA</a>
WNY Peace Center Renewable Energy Task Force	<a href="http://wnypeace.org/wp/">http://wnypeace.org/wp/</a>
West Side Ministries (716 Ministries)	<a href="http://www.westsideministries.org/">http://www.westsideministries.org/</a>
West Valley Citizen Task Force	<a href="http://www.westvalleyctf.org">www.westvalleyctf.org</a>
Wild Kritters	<a href="http://www.wildkritters.com/">http://www.wildkritters.com/</a>
Wild Spirit Education	<a href="http://www.wildspirit.org/">http://www.wildspirit.org/</a>
Wind Action Group	<a href="https://buffalowind.wordpress.com/">https://buffalowind.wordpress.com/</a>
Working for Downtown	<a href="http://www.workingfordowntown.org/">http://www.workingfordowntown.org/</a>
World on your Plate	<a href="http://www.worldonyourplate.org/">http://www.worldonyourplate.org/</a>
Youth Climate Summit	<a href="https://wnyyouthclimatesummit.org/">https://wnyyouthclimatesummit.org/</a>