

# Enviro-News

January, 2018

Sponsored by Daemen College's Global & Local Sustainability Program

## Newsletter Contents:

- Articles- including events, courses, local news, grants, positions
- Upcoming Activities
- Tips for the Environment, "Going Green" by Lesley Haynes
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

## Articles:

### Ready Your Winter Wheels... Snow Rolls are Coming!

Go Bike Buffalo wants to keep you "slow rollers" active year-round. Snow Rolls regardless of the weather, but on shorter, heartwarming routes. It's a bit colder, but no less fun as long as you layer up! This season of Snow Rolls begins **Sunday January 14** at Adam Mickiewicz Library & Dramatic Circle, 612 Fillmore Ave. Buffalo. Meet at noon, ride at 12:30pm. Register at <https://slowrollbuffalo.org/>

### Docent Training for Preservation Buffalo Niagara

Preservation Buffalo Niagara is seeking a new docent class for our tour program. Winter docent training will run for 6 weeks- from **January 18th to February 22nd**. The course will be divided into two sections; the first will focus on PBN's Buffalo City Hall tour and the second will certify docents for the Guaranty Building tour. Each section will culminate in a group graduation tour. Please contact Olivia at (716) 852-3300, or [ocammisa-frost@pbnsaves.org](mailto:ocammisa-frost@pbnsaves.org) with any questions. [Interested parties may fill out an application today!](#)

### Christmas Bird Count for Kids

The Christmas Bird Count for Kids hosted by the New York State Department of Environmental Conservation (DEC) in partnership with Friends of Reinstein Woods begins at the Reinstein Woods Nature Preserve at 9:00 a.m. on **January 6**. Children and their adult chaperones have a chance to compete to see who can find the most birds during 90-minute hikes. During the program, kids first participate in "Binocular Boot Camp" to learn basic bird identification and binocular skills before splitting into small teams for the hike. After the hikes, everyone returns to the Reinstein Woods Environmental Education Center to enjoy refreshments and share their findings. This free program is a great introduction to birding for children ages 8 to 16 and brings families and community members together to enjoy nature during the holiday season. To register, visit <http://reinsteinwoods.org/cbc4kids> or call Reinstein Woods at [\(716\) 683-5959](tel:(716)683-5959).

### 2018 Champions for Change: Accepting Applications

Are you ready to plan a change for your community? Are you ready to join thousands of citizens and hundreds of organizations working to create an equitable, healthy and ecologically thriving region? If so, apply today to become a Champion for Change with One Region Forward's Citizens Planning School! Through a series of six workshops, homework, and teamwork over three months, Champions for Change learn how to turn ideas into action with practical tools, knowledge, and leadership skills. Based on a match of talents and passions, Champions and University at Buffalo students will be placed in action planning teams. Want to learn more? Check out our program overview and application process [here](#). Deadline is **January 26, 2018**.

## NOFA-NY Conference

NOFA-NY will hold their 36th Annual Organic Farming & Gardening Conference from **January 19-21** in Saratoga Springs, NY. This year's theme—*Healthy People, Healthy Planet*—recognizes the intersection of health and agriculture. We will celebrate the production of nutritious food in an organic system that maintains and encourages the well-being of the earth and all inhabitants. With 12 workshop tracks, there really is something for everyone, especially with this year's addition of the Wellness Fair. This one-day event will provide health screenings, massages, acupuncture, reiki and more! We are thrilled to offer our members and conference participants information to live a healthy life. To complement the theme, the Keynote Speakers, David R. Montgomery and Anne Biklé, will address their experiences working in the fields of geology and biology. The husband and wife duo will also discuss their book, *The Hidden Half of Nature*, which reveals why good health—for people and for plants—depends on microbiomes. <https://nofany-winterconference.squarespace.com/>

## Women Farmland Owners Learning Circle

New York Women Farmland Owners Learning Circles are opportunities for women farmland owners and managers that would like to get together with other women and share information about conservation and stewardship in a relaxed, nonjudgmental setting. Discussions on “Soil Health and Your Land” will be held on **January 25** and **February 15** at Livingston County Center for Emergency Operations, Mount Morris, NY. [To register and for info](#)

## Water Academy

Water Academy is a college-level course designed to introduce the community to environmental issues and proactive solutions currently being implemented in the Niagara River watershed. Classes are taught on Tuesdays from 2-4:30pm from **January 23-May 15, 2018**. This program builds upon the success of Buffalo Niagara Waterkeeper's River Academy program, offering a more extensive range of learning opportunities through unique partnerships with local non-profit organizations. Guest lecturers may include representatives from governmental agencies, community organizations and the private sector. Additional educational partners include Cradle Beach Camp, Earth Spirit Educational Services, Friends of Reinstein Woods, the Nature Sanctuary Society, and People United for Sustainable Housing (PUSH Buffalo). For registration, visit [wateracademy](#). The course will be held at the East Hill Foundation (17 Island Street, North Tonawanda, NY 14120) and at various field locations.

## Making Urban Forests Count: Quantifying and Crediting Stormwater Benefits

Learn how urban forests can play a role in stormwater management. This free webinar on **January 20** from 1 to 2:15pm will show you how to quantify the runoff and pollutant-reducing impacts of trees in the urban landscape. Presenters will review the available stormwater crediting systems for urban tree planting and will present a new crediting system that can be integrated into state and local compliance systems for stormwater management, Total Maximum Daily Loads (TMDLs), and other water quality requirements. The presenters will share a case study example of how this has been formally adopted by state and federal agencies as part of the Chesapeake Bay TMDL, which covers 64,000 square miles across six states and DC. For first time users to Adobe Connect, visit [here](#) to test. Connect to the webinar at <https://usfs.adobeconnect.com/ucf/>

## Effective Community-Engaged Learning: A Faculty and Staff Institute

The Civic and Community Engagement Office at SUNY Buffalo State will host a **January 24** Faculty and Staff Institute on Effective Community Engaged Learning which will be open to all Western New York Service Learning Coalition member institution faculty and staff for a small fee of \$15 per session or \$40 for all, which includes materials and refreshments. [Read a full description of the workshops](#). Choose one, two, or all three sessions. Lunch on your own. The institute will be at Buffalo State College. Register by [email](#) or phone at [\(716\) 878-3919](tel:7168783919).

## Explore Buffalo's 2018 Winter Gala

Explore Buffalo's 2018 Winter Gala will be at the Hotel at the Lafayette! Join us on **Saturday, January 27th** to support the continued growth of Explore Buffalo. Did you know that in three years, Explore Buffalo has grown from annual attendance of 6,200 (2014) to over 18,000 (2017)? We need your continued support to sustain this growth! Purchase a ticket today to join us for an evening in support of Explore Buffalo at one of Buffalo's most elegant settings. Tickets include two drink tickets and an assortment of hors d'oeuvres throughout the evening from Marquis de Lafayette. Music by Saxman Slim will entertain you throughout the evening. The Winter Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items, from original local artwork to special behind-the-scenes tours. This is also your annual opportunity to vote on possible new tours for Explore Buffalo's 2018 tour season! [Tickets.](#)

## Legacy City Preservation - reGENERated: What Kind of City Do We Want?

Buffalo's Young Preservationists and Preservation Buffalo Niagara are hosting a conference from July 12-14, 2018 to discuss preservation's role in revitalizing Legacy Cities. Rust Belt cities like Buffalo and Detroit led out country's growth early in the 20th century but have since weathered job loss, population decline and property abandonment. They boast significant historic structures and neighborhoods that have fallen into disrepair. Demolition is too often viewed as the only answer to these problems. Conference hosts are calling for presentations from planners, community development and preservation professionals, policy makers, community leaders, scholars, and grassroots advocates from a range of fields. Proven and solution-driven ideas for conference sessions will be accepted until **January 30, 2018**. For more info visit <https://www.facebook.com/LegacyCityPreservation/>.

## 2018 Buffalo in Bloom Spring Gardening Classes

Cornell Cooperative Extension of Erie County Master Gardeners will offer its Spring Gardening class on two dates. The identical class will be offered on both **Saturday, February 17** at the Unitarian Universalist Church on Delaware Ave. and **February 24** the Cornell Cooperative Extension, 21 S. Grove St., E. Aurora, from 9am–2:30pm. The three topics covered will be: What's Eating My Plants; learn to identify insect damage and what to do about it, Let's Get Growing; seed starting and Ensuring Success; Choosing the right plants for your garden. Participants should bring a bag lunch. Advanced registration for the program is required. The cost for this full day event is \$25 for the general public and \$20 for Master Gardeners. To register contact Cornell Cooperative Extension 652-5400, ext 177 or online at [mgerie@cornell.edu](mailto:mgerie@cornell.edu).

## Polar Bites 2018

The Buffalo Zoo's wintertime fundraiser, Polar Bites, will be held on **Thursday, February 22** from 6 to 9pm in the Grand Ballroom at the Buffalo Niagara Convention Center. Polar Bites will feature food samplings from some of Western New York's finest restaurants, as well as a basket auction, gift card wall, and visits with some of the Zoo's ambassador animals. Tickets will be \$30 presale and \$40 at the door. Purchase Tickets [Here](#).

## Winter 2018 Course: History of Buffalo

Join Explore Buffalo this winter for a unique opportunity to broaden your knowledge about the Queen City! This four-week course will take you on a journey through Buffalo's history, from the indigenous peoples who originally occupied this area all the way to the magnificent renaissance taking place today. If you love our tours, you'll love this chance to deepen your knowledge of all things Buffalo.

This course is taught by Master Docent John Fagant. Sessions will take place on Tuesday evenings in **February 2018** from 7:00 – 8:30 P.M at Explore Buffalo's headquarters in First Presbyterian Church of Buffalo (across from Kleinhans Music Hall). Parking is available in the church lot. This course can only be purchased as a whole – individual sessions cannot be purchased separately. [RESERVE YOUR SPOT NOW!](#)

## Marvin Lunenfeld Beautification Grants

Garden Walk Buffalo has provided nearly \$100,000 in Marvin Lunenfeld Beautification Grants since 2005. Marvin Lunenfeld and his wife Gail McCarthy were the founders of Garden Walk Buffalo. More than 100 micro-grants have been awarded to block clubs and community groups in the neighborhoods of Garden Walk Buffalo. Past projects have included street-side planters, hanging baskets, storm damage repair, historic garden restoration, annuals for planters, community gardens, and much more. [APPLY ONLINE HERE](#) by **February 28**.

## Role of Community Engagement in Creating Local Climate Action Plans

A Climate Smart Communities (CSC) Webinar is planned for **Thursday, January 11, 2018** at 10:30 AM - 12:00 PM. New York State has reaffirmed its commitment to reducing greenhouse gas emissions by 40 percent by 2030 and 80 percent by 2050 (from 1990 levels). Broad, community-level participation is critical in meeting these goals. How can local governments engage their communities and inspire a grassroots response to climate change? This Climate Smart Communities webinar will offer guidance on facilitating inclusive, community-driven planning processes and creating local climate action plans that reflect community priorities. To register, provide your name, email and community affiliation to the DEC Office of Climate Change at [climatechange@dec.ny.gov](mailto:climatechange@dec.ny.gov) or [518-402-8448](tel:518-402-8448). In the event that we postpone the webinar, respondents will be notified. Registration is recommended but not required. To join the webinar, follow these steps: use link [webinar](#), Enter meeting password: NYSDEC1.

## Master Gardener Education Day

The annual Master Gardener Education Day is planned for **Saturday, March 17** from 9:00 – 3:00, at Classics V Banquet Center. Doug Tallamy, author of *Bringing Nature Home* and *The Living Landscape*, will give two presentations: *Bringing Nature Home* which addresses the importance of the plant choices we make and how they affect the overall health of the ecosystem and *Creating Living Landscapes*. Sally Cunningham author of *Great Garden Companions* CNLP and TV personality will present on: *What Would Doug Do (in your yard)?* She will address the practical concerns and Buffalo area realities of our ecologically meaningful goals. Tickets go on sale January 19 until sold out. The cost for the general public is \$55. The registration fee includes a hot buffet lunch, beverages, and snacks. The day will begin with registration from 8:30 – 9:00 a.m., a morning presentation, coffee break, second presentation, full hot buffet lunch and an afternoon presentation. The day will end at 3:00 p.m. There is also a basket raffle with lots of garden related items as well as gift certificates from local restaurants and merchants. Visit <http://erie.cce.cornell.edu/> for ticket info.

## Save the Date: Symposium on Energy in the 21st Century

The 14<sup>th</sup> Annual Symposium on Energy will be held on **April 20, 2018** in East Syracuse, NY. For info or to register, visit [REGISTER NOW](#).

## 2018 Legacy Cities Preservation Conference in Buffalo

Preservation Buffalo Niagara is thrilled that Buffalo will be hosting the next Legacy Cities Preservation Conference from **July 11th – 14th, 2018**. This will be the third biennial interdisciplinary convening of preservationists, community developers, economic developers, urban planners, urban policymakers, urban designers, and others. It will be an opportunity to collaborate, share ideas, and devise solutions for creating a more integrated approach to planning for the future of Legacy Cities, bringing historic preservation into urban policymaking, and crafting a 21st century preservation profession that is responsive to the needs and conditions of Legacy Cities and our diverse inhabitants. Check back for [more info](#).

## 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](#).

## **Adopt-a-Horse: Support the Solar-Powered Heritage Carousel**

A solar-powered historic carousel is planned for Canalside in 2018. 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. Adoption status recognizes the sponsor with a plaque on the carousel and the right to name the animal. For info, visit <http://buffaloheritagecarousel.org/>

## **Grocery Stores are Going Green!**

The average grocery store uses 1.5 million gallons of water each year. Grocery stores dispose of half a million pounds of food waste annually, nearly all of which goes to the landfill and use 660 lbs. of cleaning products containing 150 lbs. of hazardous chemicals. The New York State Pollution Prevention Institute (NYSP2I) and DEC teamed up to help grocers drive down their operating costs and reduce their environmental footprint. Read about the [Sustainable Grocer Program](#).

## **Want to increase your sustainability practices at Work?**

We've all heard it before – “buy green products” – but what does that mean and how do I know if I am really purchasing an environmentally preferable product for my home or business? New York State agencies have taken a close look at what it means to buy truly green products and where to find them. They have developed criteria to purchase items that reduce harmful health and environmental impacts, minimize toxicity in packaging, and maximize recycled and renewable content. Check out the deep dive on everything from carpeting to lighting and from electric vehicles to office furniture at the [“Green NY”](#) website.

## **Database for Farmers Market Volunteers and Interns**

Many farmers markets use volunteers and student interns to help keep their markets running smoothly. Other markets wish they had a volunteer program to help manage and grow their market. But the thought of recruiting, training and supervising volunteers is daunting, often intimidating. Without a helping hand, these markets are missing an opportunity to make their markets more customer friendly, a more vibrant shopping experience; as well as a much more lucrative market for their vendors. The Farmers Market Federation of NY is offering you that helping hand! We are creating a database on our website of all market volunteer and internship opportunities throughout New York's farmers markets. The database will be promoted to colleges and communities across the state, encouraging them to match their interests with the opportunities found on the database. To create the database, we invite all markets to submit their volunteer and internship opportunities through a convenient web portal [here](#). The information provided will populate a spreadsheet that will be maintained on the Federation's website. We plan to publish the database by mid-January, so don't delay, get your information entered ASAP [here](#).

## **New York's Got Fish**

New York has one of the richest and most diverse populations of fish in the nation. Over 165 fish species inhabit the state's 7,500 lakes and ponds and 70,000 miles of rivers. Learn more about these fish and where they can be found in the [Atlas of Inland Fishes of New York](#). Check out these [images of New York fish species](#) including many dating back to the late 1800s.

## **The 2017 EJSCREEN is here!**

[EJSCREEN](#) is an environmental justice mapping and screening tool that provides Environmental Protection Agency (EPA) with a nationally consistent dataset and approach for combining environmental and demographic indicators. EPA recently updated this useful tool in an effort to expand the way it engages with EJSCREEN users.

## **Earth Spirit 2018 Trips**

Join Earth Spirit Educational Services for a wilderness experience along the Continental Divide (August 1-11, 2018) or viewing the predators of Yellowstone National Park (August 14-24, 2018). Details on the programs are available at [www.earthspiritedu.org](http://www.earthspiritedu.org).

### **Climate Change Info-EPA Web Info Available at Chicago Website**

The Environmental Protection Agency (EPA) website is no longer a resource for info on climate change. Previously, it was one of the foremost web resources for information related to the science of climate change. Thanks to the City of Chicago, we can still have access to this information as they have saved and posted the information formerly available at the federal website. You can view the resources (might want to save useful ones) at <https://www.cityofchicago.org/city/en/sites/climatechange/home.html>.

### **Community Toolkit for Local Food and Revitalization**

The Environmental Protection Agency has released the [Local Foods, Local Places Toolkit](#) which is meant to help communities interested in undertaking a similar process to develop their own plans for setting and achieving local food and revitalization goals. The toolkit was developed over the course of delivering the Local Foods, Local Places technical assistance and compiles best practices and lessons learned from the program. A facilitator, either from the community or hired from outside, could use this toolkit to help a community articulate its goals, engage stakeholders, and prioritize achievable actions to make progress.

### **NY-Sun Solar Guidebook and Technical Assistance for Local Governments**

NYSERDA launched the [NY-Sun Solar Guidebook for Local Governments](#) which includes updates to the NYS Unified Solar Permit and guidance on the New York State fire code, along with other practical info to aid local officials. Does your town need an expert's opinion on a solar question? Local governments can access free training and technical assistance from NYSERDA's NY-Sun Photovoltaic Trainers Network (PVTN). The PVTN offers in-person [trainings](#) for municipal officials statewide and a set of [online resources](#) about solar energy.

### **DEC's New York Green Business Program**

Would you like to support the expansion of green businesses in your community? Governor Cuomo and DEC are pleased to announce the launch of the New York Green Business (NYGB) program. NYGB provides recognition and benefits to businesses that are committed to sustainability and protecting New York's environment. As one benefit, NYGB members will receive priority access to technical assistance programs, including experts at the New York State Pollution Prevention Institute, to help them carry out sustainability programs. Local governments can play a role in helping green businesses thrive in their communities through planning, outreach, and incentives. Local governments can even earn points under the Climate Smart Communities Certification program for actions completed under pledge element 8: Support development of a green innovation economy. For more info, contact [brendan.woodruff@dec.ny.gov](mailto:brendan.woodruff@dec.ny.gov). NYGB is managed by DEC and is free and voluntary for businesses to participate in. DEC is accepting applications for the program through the close of business on **Friday, December 15, 2017**.

### **New "Levitating" Crosswalk Design to Increase Pedestrian Safety**

To reduce our pedestrian accidents, we may consider a creative strategy used by a town in Iceland. A new crosswalk design, which appears three-dimensional with the crosswalk seemingly suspended above the road, should keep drivers more alert to pedestrians. Check out the ingenious design at <https://qz.com/1113713/a-small-town-in-iceland-created-a-levitating-crosswalk-to-slow-traffic/>.

## **Project Sunroof**

Are you curious about how much solar could be generated by your roof? Now you can use Google Earth imagery to analyze your roof shape and local weather patterns to create a personalized solar plan. Check it out [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!

## **Tool for Sourcing Local Meat**

A new website is available to help consumers locate local farmers who produce meats. You will be able to connect with local producers to choose the growing practices that suit your lifestyle and help support the regional economy. Visit the tool at <http://meatsuite.com/>

## **A Cup of Joe Fuels to Fuel the Bus**

Waste coffee grounds will be used to help power some of London's buses. A biofuel created by blending oil extracted from coffee waste with diesel is to be added to the public transport fuel supply. Bio-bean, a technology firm, calculates that it would take just over 2.55 million cups of coffee to create enough biofuel to run a London bus for a year once the oil has been blended with diesel. The company takes the used grounds from coffee shops and instant coffee factories, and extracts oil from it in its factory. Read more at <http://www.bbc.com/news/uk-england-london-42044852>

## **Watch the Know Your Food Series**

Know Your Food is a short film series that introduces consumers to key terms and principles that can help them make more informed decisions about the food they eat. [Click here to watch the Know Your Food videos.](#)

## **Greening Park Infrastructure**

EPA has produced a guide titled, [Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#), to encourage partnerships between park agencies and stormwater agencies to promote the use of green infrastructure on park lands. Green infrastructure can help to maximize the environmental, economic, and social benefits of parks. By building strong partnerships, agencies can improve park lands and access to parks, better manage stormwater, increase community resiliency to shifting weather patterns, and provide funding to implement and maintain park enhancements that benefit the community. Case studies are included to illustrate the approaches presented in the guide. These real-life examples portray how partnerships between municipal stormwater agencies and parks departments have improved recreational resources in the community, enhanced environmental protection, and reduced risks and burdens.

## **Food not Bombs**

Buffalo Food Not Bombs prepares shares a free vegan meal with anyone who is hungry at Lafayette Square on Mondays and Saturdays from 1 to 2 p.m. Volunteers are ALWAYS welcome! Food Not Bombs shares food as a form of political protest, drawing attention to the fact that society fails to provide food and housing for all people, while hundreds of billions of dollars are given to fund wars and state violence. For info, [foodnotbombs](http://foodnotbombs)

## **Hemlock Woolly Adelgid Educational Video**

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State's hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit [here](#). View video at <https://www.youtube.com/watch?v=AupnMjYaI0Q>.

## **Cornell Small Farms Program Offers Online Courses**

Cornell Small Farms Program offers over twenty courses to help farmers improve their technical and business skills. Students connect with other farmers, work on farm plans, and gain practical tips without leaving their home. Each week features an evening webinar and follow-up readings, videos, and activities. Students and their instructors connect through online forums and live chat. If you aren't able to attend the webinars in real-time, they are always recorded for later viewing. Check the listings at <http://www.nebeginningfarmers.org/online-courses/>

## **Bat Fingerprinting**

Researchers discovered that bats' wings may be as unique as human fingerprints. Even when damaged, the wings heal in their pattern. If widely applied, bat wings would be an easily employable identification system for bats. [Read more.](#)

## **Environmental Working Groups Guide to Healthy Cleaning and Safe Drinking Water**

Environmental Working Group provides a Guide to Healthy Cleaning which provides detailed information on more than 2,500 products, letting you easily find out about the health hazards and ecological concerns associated with the thousands of chemicals in cleaners. Check it out at [EWG's Guide to Healthy Cleaning](#). You can also check out their drinking water database which is searchable by zipcode at [EWG's Tap Water Database](#).

## **Creating Safer Streets Around Schools: One Crosswalk at a time**

Cornell Cooperative Extension of Niagara County's Creating Healthy Schools and Communities grant (CHSC), in partnership with GoBike Buffalo, the City of Niagara Falls Department of Community Development, and the Niagara Falls City School District, have partnered up to create safer crosswalks around schools in Niagara Falls. The program, called Complete Streets, seeks to make streets planned and maintained for safe and convenient travel for residents. Crosswalk painting projects have been completed at Niagara Street Elementary, Gaskill Preparatory, Cataract Elementary, LaSalle Preparatory, 72<sup>nd</sup> Street, and Maple Avenue Elementary Schools. Additionally, several more schools in Niagara Falls are scheduled to have vibrant crosswalks painted later this school year. Pedestrian safety is a concern in school zones and on school campuses everywhere. In neighborhood schools where the majority of students walk, bike or are driven to school, reducing driver speed in school zones is critical. When students can safely walk or bike to school, they are incorporating physical activity into their day and will be more focused and ready to learn. Walking and bicycling to school also helps reduce air pollution and traffic congestion around schools.

## **Harvesting the Energy of Footsteps**

A research team installed a high-tech flooring prototype at the University of Wisconsin-Madison that harvests the energy of footsteps and converts them into electricity. The wood pulp that makes up the flooring is chemically treated to produce an electrostatic charge that turns these floors into renewable energy sources. [More](#)

## Climate Hubs Launch

The Climate Hubs just [launched a new portal](#) that allows stakeholders to quickly and easily find information for managing risks posed by a changing climate.

## Growing for the Future Conference Resources

National Farmers Union has announced that sessions from its virtual beginning-farmer conference, "Growing for the Future," will be available free [online](#) until February 1, 2018. The conference provides an opportunity for beginning farmers to acquire the skills they need to run a successful operation. Conference sessions highlight leaders in the field of agriculture and focus on building a network for beginning farmers and ranchers throughout the country. The sessions are available for viewing with free registration.

## 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://www.eany.org/our-work/bill-ratings>

## Climate Science Special Report

In accordance with the Global Change Research Act of 1990, the USGCRP is required to conduct national climate assessments (NCA) at regular intervals. This recent report states that stronger evidence has emerged for “continuing, rapid, human-caused warming of the global atmosphere and ocean.” Each chapter of the Report includes key findings based on the authors’ expert judgment of the synthesis of the assessed literature. With each key finding, the CSSR provides its level of confidence ranging from “low” (inconclusive evidence, disagreement, or lack of opinions among experts) to “very high” (strong evidence, high consensus). Read the executive summary and access chapters of the report at <https://science2017.globalchange.gov/>

## Climate Change Education Partnership Offers Webinar Series for Teachers

A series of four webinars will complement the newly released *Climate Change Education: Effective Practices for Working with Educators, Scientists, Decision Makers, and the Public* [guide](#). Produced by the CCEP Alliance, this guide provides recommendations for effective education and communication practices when working with different types of audiences. Please use this [link](#) to see the archived webinars in this series

## Free Riparian Buffer Resource Published

Division of Water publications are now available on the DEC website. [Protect Our Waters: Funding and Assistance for Planting Riparian Buffers](#) (PDF, 801 KB) describes the variety of federal, state and local technical assistance and funding programs for landowners, municipalities and conservation organizations to plant [riparian buffers](#) to improve water quality and wildlife habitat.

## Better than Ed

Actor Ed Begley has gained a reputation for living sustainably and encouraging others to do so. He is featured in a new series of videos, “Better than Ed”. Check out the videos at <http://www.betterthaned.org/> covering topics like population growth, food waste, energy waste and others.

## **EPA Climate Change Indicators Report Available**

The U.S. Environmental Protection Agency (U.S. EPA) has updated 'Climate Change Indicators in the United States (Fourth Edition)'. The report is available for download at [www.epa.gov/climate-indicators](http://www.epa.gov/climate-indicators).

## **Help Your Local School Reduce Food Waste**

It's not uncommon for schools to throw away good food, even when many of their students don't have enough good food to eat. In partnership with the Oakland Unified School District and the public agency StopWaste, Food Shift established a food collection and donation program for Oakland, CA schools. The Earth Island project also helped [develop a guide](#) to capture best practices and templates for replication of the food recovery program. Please share the guide with any parents or school professionals you know who might want to start a similar program.

## **Green Strides Webinar Series**

The Green Strides Webinar Series promotes sessions that provide free tools to reduce schools' environmental impact and costs; improve health and wellness; and teach effective environmental education. Upcoming November webinars include Remote Sensing (Nov. 2), Water (Nov. 8) and Food Organics Waste (Nov. 9). Check out all of the topics and access info at <http://www.greenstrides.org/webinars>.

## **Teacher's Resources**

[EPA Activity Book for Elementary Age Students](#)-How do you describe to students what the EPA does? This newest activity book for elementary age students to help introduce them to EPA. Kids can learn about the different ways the EPA works to protect our environment and our health. It's a simple, straightforward guide suitable for children of all ages.

[Botany Primer: Understanding Botany for Nature's Notebook](#)- designed to help observers make reliable plant observations for submission to the Nature's Notebook citizen and professional science program. It covers basic botany, phenology vocabulary and the USA-NPN's plant phenophases. It is also very appropriate for those interested in simply learning more about botanical terms and concepts, separate from participation in Nature's Notebook.

[Solar Ovens & Design Critiques](#)-In this unit, students design, build, and test solar ovens. They critique and refine their own oven, as well as their peers' designs. Students learn about how energy is transformed from solar radiation to heat and infrared radiation. They use an interactive simulation to extend the design process. They test their ovens using heat lamps, and use a budget to constrain their design. The budgeting activity helps students consider trade-offs in the design. They evaluate each material they use with regard to their goal. Students go through two iterations of designing, building, and testing. Between the two iterations, student groups critique each other's ovens. During the second iteration, students engage in self-critique of their ovens prior to re-design.

[Conservation Connect](#) is a web-based video series produced by the U.S. Fish and Wildlife Service, National Conservation Training Center (NCTC). Our goal is to connect a new generation of conservationists, ages 8-16, with the great outdoors, wildlife species, and conservation careers. Conservation Connect is available to youth groups, schools, homeschoolers, nature centers, and other educational programs throughout the country, free of charge.

[Humpback whale activity books](#)- Learn about whales and their migration.

[How can teachers get students to learn science from each other](#)-By communicating science, students can reinforce and help others learn.

[Sky, Water, Earth: self-paced online science activities for youth](#)- collection of free, online, self-paced activities that are designed for youth between the ages of 16-22 who are interested in the field of science.

[High School Teacher's Guide for Climate Choices: How should we meet the challenges of a warming planet?](#)

[Middle School Teacher's Guide for Climate Choices : How should we meet the challenges of a warming planet?](#)

[Project GRACE](#)- To prepare youth in economically disadvantaged communities for the prospect of careers in science, technology, engineering, or mathematics (STEM) through Geographic Information Systems (GIS).

[FoodSpan](#) is a free, downloadable curriculum that provides high school students with a deep understanding of critical food system issues, empowers them to make healthy and responsible food choices, and encourages them to become advocates for food system change.

[Climate Change and the Water Cycle: Four Big Questions Answered](#)-Free e-book. Dramatic changes to our planet like glaciers calving into the sea and record-setting temperatures make front page headlines around the world. But while other disruptions caused by the climate crisis – such as the transformation of our planet's water cycle – are a little less immediately striking, they can be even more profound and far-reaching. The consequences can also seem confusing and contradictory. How is it even possible that climate change increases our risk of both heavy rains and extreme droughts?

[PollinatorLIVE: A Distance Learning Adventure](#)- resource that aims to meet national science education standards and promoting conservation action through education. PollinatorLIVE has lesson plans, web seminars, and information to increase the understanding of pollinators and their importance.

[Nature's Lights](#) explores how light is essential in the natural world, and how and why animals that live in the dark produce light via bioluminescence so that they can find food and communicate with others.

[Guess the Pollinator](#) is a fun creative activity which teaches students that certain animals have preferences for a flower type, color, shape or smell. Using the Coloring Sheets, students will colour in a chosen flower, then use the facts written underneath to match their flower up with its pollinator.

[Design a Flower](#) teaches students about what pollination is and how it happens. Using what they learned, students will then receive a card with a specific pollinator on it and will be asked to design the perfect flower for them.

[Seeing Red](#) teaches students about frequencies of light and how different colored light is absorbed or transmitted by colored filters. They will also discover how some animals use bioluminescence and color perception to outsmart prey.

[Materials Science and the Problem of Garbage](#)-Equip students to make informed choices about materials use and disposal with a series of lessons in which they investigate the technological and engineering ingenuity involved in making materials—and also the environmental ramifications.

[Water Agriculture Sustainability](#)-InTeGrate provides this three to five-week module that provides a framework for students to learn about how people interact with water, peer into our water future, and consider ways we might foster more sustainability in water management. After assessing our major water challenges, the module has students learn about the concepts of water sustainability, virtual water trade, and water footprints. The focus then turns to the interplay between agriculture and water resources, as agriculture has the greatest impact on freshwater consumption and quality.

[Remember the Rainforest](#)-free resources for K-12 with images of rainforest ecosystems for awareness.

[Cornell Webinars](#) -Our free webinar series covers topics like bird-friendly gardens and bird communication.

[Book Guide for On Bird Hill](#)- Our free guide for grades K–2 turn [this charming book](#) into lessons in science, art, math, and literacy.

[Edible Learning Lab](#)-curriculum allow kids (K-12) to manage the food production process from "Lab to Table".

[PLT Online Professional Development for GreenSchools](#)-6 learning hours of professional development for formal and informal educators.

[Green Schools Membership](#)- Free for Teachers, educators, students, and administrators. Access to lots of resources.

[Greening STEM](#) -infographics, toolkits, activity guides, and video resources contain free educational material in popular environmental topic areas that incorporate elements of STEM. Many of the activities and resources include project-based learning, service-learning, and citizen science components.

[Flipside Science](#) is a youth-powered series that tackles complex environmental topics and empowers viewers to make a difference. This engaging and upbeat collection of videos, hosted by California Academy of Sciences youth, explores how local communities are addressing environmental problems.

[Sustainability in Schools Simulation Game](#)- The Education for Sustainability program has designed a simulation game to show how to identify sustainability related projects that make financial sense and weave them together into a coherent strategy that takes advantage of synergies. It also shows how to use those projects in curriculum.

[Cool Science Jobs](#) provides real stories about “cool” jobs using science to help inspire the next generation. They also include vocabulary and can be used as mini-lessons in the classroom.

[Keep Wild Animals Wild](#) lesson plans, videos and worksheets provide everything educators need to introduce students to what makes wild animals wild, why wildlife trade is a big threat not just to animals and ecosystems, but to people too, and how to help keep wild animals wild.

[Black bear curriculum](#) - provides of free multimedia resources on black bears for educators and students.

[12 Pathways to Greening Your School](#) is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a [FREE MEMBER NOW!](#)

[Faces of EPA](#)-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

[Project Localize](#) is a customizable curriculum to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

[Dr. Seuss's The Lorax activity book](#) is one of EPA's most highly sought after publications and is available for free to schools and classrooms around the country.

[Raptors in the City](#) is a real-time, inquiry-based science program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the Endangered Species list in 1999. The program guides children through nesting season as they watch the still rare falcons live via cameras mounted on a skyscraper.

[Getting the Picture: Our Changing Climate](#)-The adventures of scientist-photographer James Balog and the Chasing Ice team come to life in a newly released climate science education resource which provides a unique, interactive, multimedia experience for students and educators to learn about the latest climate science and witness real-world changes occurring around the world.

[SMILE: New STEM Activities for Educators](#) is an award-winning, free access collection of nearly 4,000 STEM education activities. Many activities are grouped by topics with environmental themes including energy, climate, life sciences, and ocean literacy. Activities are also aligned with standards and principles such as the Climate Literacy Principles, Ocean Literacy Principles, and U.S. DOE Energy Literacy framework.

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for use for all K-12 schools. Resources to help schools get started with ArcGIS Online are available [here](#).

The [CLEAN](#) (Climate Literacy and Energy Awareness Network) collection is a searchable database for teachers to find online activities, videos, and graphics on climate and energy education. Teachers may sign up for the newsletter with updates on educational policies, discussions with experts, events, and weekly telecons.

[Green Technology: Sustaining the Earth](#) is designed for Grades 6-12 . Use this interactive activity to offer your students an overview of innovation in green technology and insight into various areas of research within the field.

["Appetite for Adventure: Exploring Global Food Sustainability"](#)- This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

[Architecture 2030](#) is appropriate for Grades 9-12. Learn about this architect's efforts to protect the environment by changing the way buildings are planned, designed, and constructed.

[Affordable Green Housing](#) is designed for Grades 9-12 to consider the role habitat plays in fostering diverse, vibrant social structures in well-designed, integrated communities.

[Bird Sleuth](#) for K-12. Kits and resources for learning more about birds.

## Contests and Awards

[9th Annual Arbor Day Poster Contest](#)- for Fifth Graders. The New York State Department of Environmental Conservation (DEC) is now accepting submissions with the theme "Trees for Bees." Students are asked to create an original poster depicting this theme. The winner will have his or her artwork replicated as DEC's official 2018 New York State 5th Grade Arbor Day Poster and the winning poster will be presented at the annual Arbor Day Celebration in Albany. State Accepting Poster Submissions, Deadline: **January 5, 2018.**

[The Purpose Challenge Essay Contest](#)- Find your purpose and win up to \$25,000 for college! The Purpose Challenge toolkit helps high school seniors explore and identify their purpose - infusing what they learn about themselves into their 2017-2018 college applications. They can enter that essay in a contest; six students will win prizes ranging from \$5,000 to \$25,000. Deadline: **February 1, 2018.**

[P3 National Student Design Competition](#)- This collegiate design competition promotes the use of scientific and engineering principles in creating innovative projects to address challenges and develop real world solutions. EPA is seeking applications in research areas of air quality, clean and safe water, land revitalization, and safer chemicals in the marketplace. Applications are due **February 7, 2018.**

[President's Environmental Youth Award](#) (PEYA) - program recognizes outstanding environmental projects by K-12 youth. Each year the PEYA program honors a wide variety of projects developed by young individuals, school classes (kindergarten through high school), summer camps, public interest groups, and youth organizations to promote environmental awareness. Recent award-winning student projects included forming recycling programs for pencils and books, starting an environmental news YouTube channel, and creating a better method to protect migratory birds from airplanes. Projects need an adult sponsor. Talk to your students today about submitting their work. Deadline: **March 1.**

[Presidential Innovation Award for Environmental Educators](#) : recognizes outstanding K-12 teachers who employ innovative approaches to environmental education and use the environment as a context for learning for their students. PIAEE's winners will be awarded up to \$2,500 to be used to further their professional development in environmental education. The teacher's local education agency will also receive up to \$2,500 to fund environmental education activities and programs. Deadline: **March 1.**

[Apply to Become a 2018 U.S. Department of Education Green Ribbon School](#)-The U.S. Department of Education invites state education authorities to nominate schools, districts, and postsecondary institutions for U.S. Department of Education Green Ribbon Schools (ED-GRS) 2018. Deadline: **March 31, 2018.**

[The Biomimicry Global Design Challenge](#) is an annual team competition that focuses on addressing critical sustainability issues with nature-inspired solutions. This year's focus is on climate change. Deadline: **May 1, 2018**.

## Grant and Scholarship Opportunities

[Great Lakes Restoration Initiative Cooperative Weed Management Areas Request for Proposals](#)-Cooperative Weed Management Areas (CWMAs) and other similar organizations are invited to submit proposals for the US Forest Service Great Lakes Restoration Initiative (GLRI). Estimated available funds totaling \$600,000 (\$40,000 per project max) are provided through an Interagency Agreement with the Environmental Protection Agency to award competitive grants to CWMAs for the management of invasive plants within the Great Lakes Basin. Deadline: **January 5, 2018**.

[Great Lakes Fish and Wildlife Restoration](#)- The U.S. Fish and Wildlife Service is accepting proposals to protect, restore and enhance Great Lakes fish and wildlife habitat under the Great Lakes Fish and Wildlife Restoration Act. Deadline: **January 8, 2018**.

[Grants for Municipal E-Waste Assistance](#)-Funding has been made available to assist New York State municipalities with the unanticipated costs of collecting and recycling eligible electronic wastes. For the 2017 application cycle, municipalities may submit a supplemental form for Electronic Waste State Assistance Grants either in addition to the usual HHW State Assistance application, or as a stand-alone request. Deadline: **January 31, 2018**.

[Clean Heating and Cooling Community Campaign](#) by NYSERDA will bring together groups of potential customers to obtain discounts for air and ground source heat pumps, biomass heating and solar heating through aggregated purchases and a simplified procurement process. Community campaigns can be proposed by municipalities or community based organizations and will receive up to \$150,000 for each campaign, with additional funds available for workforce development (\$50,000) and low-to-moderate income engagement (\$150,000) strategies. Community campaigns should be in a county, city, borough or region with at least 40,000 residents and are encouraged to include local financial institutions, colleges/universities and local utilities. Deadline: **January 17**.

[2018 NOAA Coastal Management Fellowship](#) -Deadline: **January 19, 2018**.

[US Forest Service Wood Innovations Funding Opportunity](#) - The US Forest Service requests proposals to substantially expand and accelerate wood energy and wood products markets throughout the United States to support forest management needs on National Forest System and other forest lands. This Request for Proposal focuses on the following priorities: reduce hazardous fuels and improve forest health on National Forest System and other forest lands; reduce costs of forest management on all land types; and promote economic and environmental health of communities. Deadline: **January 22, 2018**.

[2018 NMFS-Sea Grant Fellowships in Marine Resource Economics](#) -Fellowships for students who are interested in careers related to living marine resources. Deadline: **January 26, 2018**.

[2018 NMFS-Sea Grant Fellowships in Population and Ecosystem Dynamics](#)- Fellowships for students who are interested in careers related to living marine resources. Deadline: **January 26, 2018**.

[2018 WNY PRISM Crew Program – Project Requests](#) - Crew is made available to assist Partners with new and ongoing management projects. These activities fall into three primary work areas: Invasive Species Removal and Habitat Restoration, Invasive Species Surveys and Mapping, and Outreach. The WNY PRISM Crew consists of 2 Invasive Species Management Assistants (hired seasonally, approximately June – August), and the WNY PRISM Project Manager, Lucy Nuessle (Crew Leader). Deadline: **January 26, 2018**.

[National Environmental Information Exchange Network Grant Program](#) – The National Environmental Information Exchange Network (EN) is an inter-governmental partnership to foster better environmental management and decision-making through increased access to timely and high quality environmental information. The program is soliciting project proposals that use the Environmental Information Exchange Network (EN) to facilitate data-sharing, streamline data collection and increase access to environmental data. Deadline: **January 26, 2018**.

[New Farmer Grant Fund](#)-New York State announced \$1 million for the 4th round of the New Farmers Grant Fund. The grants will help beginning farmers improve profitability through one or both of the following program goals: expanding agricultural production, diversifying agricultural production and/or extending the agricultural season, and advancing innovative agricultural techniques that increase sustainable practice. Deadline: **January 26, 2018**.

[New York State Veterans Farmer Grant Fund](#)- to support veterans across the state grow their agricultural businesses. The grant fund helps improve the profitability of a farm owned by a veteran through one or both of the following program goals: expanding agricultural production, diversifying agricultural production and/or extending the agricultural season, and advancing innovative agricultural techniques that increase sustainable practices. Deadline: **January 26, 2018**.

[Great Lakes Protection Fund Small Grants Program](#)- Deadline: **January 29**.

[Five Star and Urban Waters Restoration Grant Program](#)- The National Fish and Wildlife Foundation and the Wildlife Habitat Council, in cooperation with the U.S. Environmental Protection Agency, USDA Forest Service, U.S. Fish and Wildlife Service, FedEx, and Southern Company are pleased to solicit applications for the 2018 Five Star and Urban Waters Restoration program. The Five Star and Urban Waters program will award approximately \$2 million in grants nationwide. Deadline: **January 31, 2018**.

[Open Buffalo Innovation Lab Public Research Fellowship](#)- The Partnership for the Public Good (PPG) builds a more just, sustainable, and culturally vibrant community through action-oriented research, policy development, and citizen engagement. PPG serves as a community-based think tank for over 270 local organizations. PPG is seeking one Open Buffalo Public Research Fellow for 2018. The fellowship will be open to faculty members, adjuncts, and post-docs at Western New York universities and colleges, as well as Cornell University. PPG will pay the Fellow a stipend of \$5,000 and will help promote and disseminate the Fellow's work. Multiple researchers may also apply together and share the stipend. Deadline: **January 31, 2018**.

[Citizen Science Competitive Funding Program](#)- This opportunity is part of the US Forest Services's new CitSci Fund, "a collaborative approach to resource management – each project will have one USFS Project Lead and one Partner Project Lead, and demonstrate how volunteers are meaningfully involved. The CitSci Fund directly supports Chief Tony Tooke's National Priority #3: Promoting shared stewardship by increasing partnerships and volunteerism. Deadline: **January 31, 2018**.

[Electronic Waste Assistance Grants](#)-Funding available to NYS municipalities to help offset costs associated with the collection and recycling of e-waste. Municipalities may receive reimbursement of up to 50% of eligible expenses incurred for the recycling of e-waste between April 1, 2017 and December 31, 2017. Deadline: **January 31, 2018**.

[2018 Healthy Watersheds Consortium Grant Program](#)- Funding Watershed Action Projects, Watershed protection capacity and Advancing the state of practice - Awards new experimental technologies, methods, strategies, or approaches to incentivize watershed protection that can be scaled to a broader level. Awards may not be used for lobbying or political advocacy. At least a 25% in-kind match is required. Deadline: **February 1**.

[The North American Pollinator Protection Campaign](#) (NAPPC) is seeking proposals for research related to improving the health of honey bees. Proposals should focus on research to manage, suppress, and eradicate Varroa mites, small hive beetles, and other pests, pathogens, and diseases contributing to colony losses. Deadline: **February 2**.

[Urban Environmental Education Centers](#)-To help community-based organizations in their efforts to educate residents on environmental issues. Centers will explore a broad range of topics such as urban ecology, environmental justice challenges, green technology, and urban environmental sustainability. Grant # DEC01-EJ-2017. Deadline: **February 2**.

[Beginning Farmer and Rancher Development Program](#) (BFRDP) – the only USDA program specifically dedicated to training the next generation of farmers. BFRDP is entering its ninth and final annual round of grant funding before its authorization expires next year. BFRDP will need to be reauthorized in the 2018 Farm Bill in order to offer additional grant funding beyond FY2018. Deadline: **February 8, 2018**.

[Enhancing Agricultural Opportunities for Military Veterans](#) (AgVets) – a new grant program offered for the first time this year that provides grants to non-profit organizations for training programs and services to establish and enhance farming and ranching opportunities for military veterans. . Deadline: **February 8, 2018**.

[Fiskars Project Orange Thumb](#)—Nonprofits located in the US and Canada. Projects within communities who are working on collaboration, neighborhood beautification, and healthy, sustainable food sources. Deadline: **February 9**.

[2018-19 Great Lakes Commission – Sea Grant Fellowship](#) -This fellowship focuses environmental and sustainability  
Deadline: **February 16, 2018**.

[EJ Collaborative Grants](#) - \$1.2 million is available for Environmental Justice Collaborative Problem-Solving (CPS) Cooperative Agreements. These funds will be distributed to 10 community-based organizations that work to address environmental justice issues nationwide. Each recipient receives up to \$120,000 for two-year projects that create self-sustaining, community-based partnerships that will continue to improve local environments in the future. Learn more about this opportunity and how to apply. Deadline: **February 16**.

[New York State Wetlands Forum Research Grant](#) Program is to financially support candidates in independent research with a focus on wetland science. Applicants must be currently enrolled, and enrolled for the spring 2018 semester, as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university. Deadline: **February 19, 2018**.

[New York State Wetlands Forum Research Grant](#)- supports candidates in independent research with a focus on wetland science. Through this grant program the Forum hopes that students (junior/senior undergrad or graduate student) may become enriched with knowledge, which will help them attain their career goals. Deadline: **February 19, 2018**.

[ScottsMiracle-Grow GRO1000 Grant](#)— Nonprofits located in the US. Grassroots Grants are awarded to local communities to help bring pollinator habitats, edible gardens and public green spaces to neighborhoods across the United States. Deadline: **February 20, 2018**.

[2019 National Sea Grant College Program Dean John A. Knauss Marine Policy Fellowship](#)- A fellowship for students interested in ocean, coastal and Great Lakes resource policy. Deadline: **February 23, 2018**.

[Conservation Innovation Grants](#)- administered by USDA's Natural Resources Conservation Service (NRCS) and provides grant funding for the development, application, and demonstration of innovative conservation technologies and approaches including pilot projects, field demos, and on-farm conservation research. Deadline: **February 26, 2018**.

[N.G. Kaul Memorial Scholarship](#)- In honor of the former Director of the Division of Water, up to \$5,000 in scholarships is available to students pursuing graduate or doctoral degrees in environmental/civil engineering or environmental science concentrating on water quality who show a commitment to government service. Deadline: **February 28, 2018**.

[NRCS Conservation Innovation Grants](#) - supports market-based solutions to resource challenges and the tools, technologies and strategies for next-generation conservation efforts on America's working lands. For more than a decade, CIG projects have addressed a wide diversity of topics and resource concerns, including soil health, irrigation efficiency, wildlife and pollinator habitat, water and air quality, greenhouse gas markets, on-farm energy use and conservation finance. Deadline: **February 28, 2018**

[National Science Foundation Smart and Connected Communities](#) . The goal of the NSF Smart and Connected Communities (S&CC) program solicitation is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health and wellness, and overall quality of life. This goal will be achieved through integrative research projects that pair advances in technological and social dimensions with meaningful community engagement. Deadline: **February 28, 2018**.

[Solarize Campaign Projects](#)-NYSERDA funded community solar projects to bring solar customers together for economics of scale. Deadline: **February 28, 2018**.

[2018 Master Gardener College Scholarship](#)- All college-bound seniors who reside and attend school in Erie County are encouraged to apply. To be eligible for the scholarship, students must be accepted by a recognized, accredited college or university in New York State to study horticulture, botany or a related field. Related fields may include: agriculture, botany, entomology, environmental sciences and engineering, forestry, genetics, landscape design, sustainable agriculture, urban geography and urban planning. The selected recipient will receive a one-time award of \$500.00. Deadline: **March 7th, 2018**.

[NOAA Environmental Literacy Grants](#)- to support the education of K-12 students and the public so they can help make their community more resilient to extreme weather events and/or other environmental hazards, and become involved in achieving that resilience. Project topics must relate to mission of the National Oceanic and Atmospheric Administration (NOAA) in the areas of ocean, coastal, Great Lakes, weather, and climate sciences and stewardship and should focus on one or more of the goals of NOAA's Next Generation Strategic Plan: healthy oceans; weather-ready nation; climate adaptation and mitigation; and resilient coastal communities and economies. For more information, visit the [funding opportunity description](#). Deadline: **April 6, 2018**

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

[Toyota 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 30 and October 30**.

[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 State has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization in New York. 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.

[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. The NIEHS Conference grant program is considered an integral part of the overall mission of the Institute; thus it is critical that all 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. Youth will learn the importance of providing appropriate food sources, nesting areas, shelter, and practicing sustainable gardening practices for pollinators by planning, planting, and maintaining these pollinator gardens. 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.

[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**.

[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.**

[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. Applications are currently being accepted for the Healthy Homes Initiatives, Transportation and the Built Environment Initiative and the Healthy Food Initiative. 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.

[The Pollination Project](#) seeks to unleash goodness and expand compassion all over the world. We make daily seed grants to inspiring social change-makers who are committed to a world that works for all. We support passionate, committed people with an early-stage social change vision. We fund individuals and community groups, and you do not need to be a registered or established organization to apply.

[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

[Buffalo Niagara Waterkeeper Internships](#)-Multiple volunteer positions available. Deadline: **January 7, 2018**.

[Stream Buffer Restoration / Resiliency Planting Program Coordinator](#)- The New York State Department of Environmental Conservation (DEC) in partnership with the Natural Heritage Trust is seeking to hire to oversee DEC's Trees for Tributaries program to restore stream buffers throughout New York. Deadline: **January 8, 2018**.

[SNAP-ED Nutritionist](#) -Cornell Cooperative Extension of Erie County has an opening for a full-time SNAP-Ed Nutrition educator for the Buffalo, NY office. Position will primarily be responsible for delivery of established SNAP public education programming to improve healthy food and lifestyle choices among families and individuals encompassing all age groups throughout the Western SNAP Region and Erie County. This position will also assist with marketing efforts for SNAP programming in collaboration with other nutritionists in the SNAP region. Deadline: **January 11, 2018**.

[CHSC Grant Community Coordinator \(Full time\)](#)- Cornell Cooperative Extension of Niagara County has an opening for a full-time Creating Healthy Schools and Communities Grant Community Coordinator based in the Niagara Falls office. This position will successfully implement and manage community related objectives of the Creating Healthy Schools and Communities (“CHSC”) grant program. Work with the CHSC Lead/School Coordinator to develop program to meet priorities and identify activities and resources needed to carry out program priorities and goals. Carry out grant work plan/strategies implementation within established scope of work and project budget. Deadline: **January 8, 2018**.

[Buffalo Audubon Executive Director](#)-Primary responsibilities include implementation of the strategic plan, staff development and supervision, financial management, fundraising, public relationship, program development, site management and evaluation. Deadline: **January 15, 2018**.

[Landscape Designer Planner](#)-Buffalo Niagara Waterkeeper position. Deadline: **January 15, 2018**.

[Open Buffalo Innovation Lab Public Research Fellowship](#)- The Partnership for the Public Good (PPG) builds a more just, sustainable, and culturally vibrant community through action-oriented research, policy development, and citizen engagement. PPG serves as a community-based think tank for over 270 local organizations. PPG is seeking one Open Buffalo Public Research Fellow for 2018. The fellowship will be open to faculty members, adjuncts, and post-docs at Western New York universities and colleges, as well as Cornell University. PPG will pay the Fellow a stipend of \$5,000 and will help promote and disseminate the Fellow’s work. Multiple researchers may also apply together and share the stipend. Deadline: **January 31, 2018**.

[Organizer for Grassroots Development](#)- The Clean Air Coalition builds power by developing grassroots leaders who organize their communities to run and win environmental justice and public health campaigns in Western New York. The Organizer for Grassroots Development is responsible for working with Clean Air’s base and constituency to expand our grassroots fundraising program, build and sustaining relationships with members, leading teams dedicated to resourcing organizing campaigns, and maintaining day-to-day operations of the office.

[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. It works to build power by developing grassroots leaders who run and win campaigns that advance environmental justice and public health in the region. All internships include some operations and administrative work. The Clean Air Coalition’s internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility. Some positions are summer only, so apply now.

[Sustainable Initiatives Manager at RIT](#)-Fifty percent of this job will be developing and implementing behavior change programming that will engage campus stakeholders in RIT’s sustainability and conservation goals. The other fifty percent of this position will be providing administrative support to the senior sustainability advisor including management of budgets, communication platforms, coordination of event logistics and meetings, student supervision, development of visual programming materials, and data collection for STARS and other sustainability reports.

## Citizen Science

[Hemlock Woolly Adelgid Project](#)-Take closeup pictures of hemlock trees and fraser firs and send to scientists with GPS location data to monitor tree health and spread of the insect.

**The Great Lakes Marsh Monitoring Program**- is designed to collect information about the presence and abundance of bird and amphibian species in Great Lakes coastal and inland marshes, to contribute to our understanding of these species and their habitat needs. For information on assisting with local efforts, please contact: David Spiering, Regional Volunteer Coordinator Ecologist at Tiff Nature Preserve (716) 896-5200 ext. 202 [dspiering@sciencebuff.org](mailto:dspiering@sciencebuff.org).

[Ticks and Project Acari](#)- a new citizen science project tracking tick disease. We are studying the ticks themselves, as well as how other factors, like climate change and the tick's microbiome, may affect the risk of tick diseases. Ticks carry over 20 different known diseases that affect hundreds of thousands of humans and our pets, and there may be more we haven't discovered yet. As global temperatures rise, these diseases are spreading. You can help! Send us the ticks you find in your neighborhood. By testing the DNA of ticks from across the United States, we can build the most complete map yet of how these diseases are affecting ourselves and our pets. To find out more, and to get a free, easy-to-use kit, please visit [www.projectacari.org](http://www.projectacari.org).

### Upcoming Community Activities:

#### Monday, January 1

**First Day Hike**-11am. Ring in the New Year with a walk to look for birds! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Field Trip: Goat Island with Chris Kundl**-Start your 2018 birding year list off on the right foot with the right guide at the right location...Goat Island with Chris Kundl! One of our local Larophiles will be on hand to help sort through the gang of gulls loafing off Three Sister's Islands. If conditions allow, we will also take a peak from Luna Island to see what is on hand at the base of The Falls. Passerine flocks foraging around the woods of Goat Island this time of year have included Pine Warbler and Winter Wren so we will be conscious of that. Meet at 9am at the SW corner of Goat Island near the entrance to Three Sister's Islands. Leave your car in Parking Lot 3 which is closest and free!

**Christmas Bird Count: Dunkirk / Fredonia**- Compiler: Joanne Goetz, p: 716-673-1627, [goetz@netsync.net](mailto:goetz@netsync.net)

**First Day Hike: DeVeaux Woods State Park**- 10am. (716) 282-5154. Hike through an old growth woods to the Niagara Gorge Rim Trail to see the rapids and whirlpool. Meet: Castellani Building. *Registration: Required*

**First Day Hike**-Evangola State Park at 10am. (716) 549-1050. See everything this park offers at an annual hiking event that connects people to their parks. In the event of snow we will outfit everyone with snowshoes for trail walking! Meet: Evangola Warm-Up Room. *Registration: Required.*

**First Day Hike**-Knox Farm State Park at 11am. (716) 652-0786. Start your New Year off right with an invigorating hike through Knox Farm and visit the parks largest trees! Bring a snack lunch. Meet up Location: Visitor's Center. Approx Distance: 2 miles

**First Day Hike**-Niagara Falls State Park @ 1:30pm. (716) 282-5154. Come and join us for an afternoon stroll as we welcome the first day of the new year at Niagara Falls! Lots of stories to be told along the way in the oldest State Park in America!! Meet: Parking Lot #3 – Goat Island. *Registration: Required.*

**3rd Annual New Year's Day Hike for your Health**-10am to 11am at Pfeiffer Nature Center! The hike will be moderately strenuous- which, in terms of exercise means you will be able to talk but not sing during the activity. This hike will take place at the Lillibridge Preserve. [1974 Lillibridge Rd., Portville](#). The hike is free to the public and will take place rain or shine. The hike will be canceled if we are experiencing extreme weather conditions. Minors must be accompanied by an adult. Pre-registration is not required. For more information contact Pfeiffer Nature Center Administration Office [716-933-0187](tel:716-933-0187) or visit our website at [www.pfeiffernaturecenter.org](http://www.pfeiffernaturecenter.org).

## Tuesday, January 2

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

## Wednesday, January 3

**GBNRTC Monthly Meeting-Public welcome.** 9:30 to 11am at NFTA, 181 Ellicott 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](#).

## Thursday, January 4

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

**Wellness Walk at Tiff Nature Preserve**- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. \$2 donation per person appreciated.

**Digiscoping Birds** – 1 to 2:30pm. Join Buffalo Audubon Naturalist Tom Kerr at Beaver Meadow for a demonstration on how to use your binoculars or spotting scope for photographing birds with your smart phone. Bring a spotting scope if you have one! Binoculars and spotting scopes are available. Preregistration is required. \$5. To register, call (585) 457-3228.

## Friday, January 5

**Buffalo Geological Society Meeting** - 7:30pm at 100 Lee Street features William and Kristen Parsons speaking about the discovery of a well-preserved embryo of the raptor dinosaur, *Deinonychus* found in Montana.

## Saturday, January 6

**Horticultural Class: Water Gardening**-11am to 1pm at Buffalo & Erie County Botanical Gardens. \$20/class or \$105 for series (members). Info and registration at [gardens](#)

**Christmas Bird Count For Kids**-9am. A great way to introduce kids to birding and escape the post-Christmas blahs! Teams of kids compete to see who can find the most birds on 90-minute hikes at Reinstein Woods and other nearby sites. Binocular instruction and refreshments provided. For more information call 716-683-5959. Register online at: <http://reinsteinwoods.org/cbc4kids>

**Woods Walk: Winter Weeds**-1pm. Explore the world of winter plants and see where the summer wildflowers will bloom. No registration required. Reinstein Woods Nature Preserve.

**Niagara Escarpment Preserve, Lockport**-10AM-12PM. Bundle up and join us for a unique winter walk at the Niagara Escarpment Preserve in Lockport and learn how to identify some of our region's trees in the wintertime. Free, but register at <https://wnylc.org/get-involved/events/>

**Knox Farm State Park Cross-country sk**-10am-12pm. *For information or registration call (716) 549-1050.*

**Christmas Tree Forts!** – 10am to noon. We love to have fun at Beaver Meadow during the winter! Christmas trees can still hold their magic even when the holiday is over. We will celebrate the New Year by making forts out of discarded Christmas trees! Yummy hot cocoa and a bonfire for warming up as well! Using only twine and simple hand tools, kids can build a fort using their own creativity! Preregistration required. \$4 per child. Accompanying Adults FREE. To register, call (585) 457-3228.

**Audubon Climate Watch** – 2 to 3:30pm. Volunteers are needed to collect data on Eastern Bluebirds wintering in our area from January 15th to February 15th! Join Buffalo Audubon Naturalist Tom Kerr at Beaver Meadow and learn how you can help Audubon Ornithologists predict how birds will adapt to climate change in North America. Pre-registration is required. FREE. To register, call (585) 457-3228.

**After the Holidays Recycling for City of Buffalo**-9am to 2pm at City of Buffalo Engineering Garage, 1120 Seneca St., 14210. Accepting electronics, Christmas trees (natural trees free of decorations), clothing/textiles. For info, [www.buffalorecycles.org](http://www.buffalorecycles.org)

**Winter Feels Good/Winter Trails** -Paths, Peaks and Paddles is once again organizing this free event at Ellicott Creek Park from 10am to 3pm! This will be our 12th year organizing this national event. We will be located next to the sledding hill in the park. Instead of watching the winter months pass by from your windows learn to enjoy the winter and what mother nature has to offer. Snowshoeing is a fun activity for all ages, for the family and friends. Snowshoeing makes exploring terrain as easy as walking in the summer time. Instructors and Guides will be present to assist you with putting on your snowshoes, the use of poles and walking on the snow. Your instructors and guides will take you on a short tour in the park so you can experience how to walk with snowshoes. We will have available for sale hot drinks to include hot chocolate and the introduction to Russian Tea. Dress for the weather!

**DeVeaux Woods State Park snowshoe**-10am-12pm. *For information or registration call (716) 282-5154.*

### **Sunday, January 7**

**Go Bike Class: Basic Wheel Maintenance**- All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Pay what you can. Our suggested donation is \$10 and most classes are limited to 10 people. Please RSVP to [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least TWO days prior to class if you plan to attend.

**Knox Farm snowshoe**- 10am-12pm *For information or registration call (716) 549-1050.*

### **Monday, January 8**

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

### **Tuesday, January 9**

**Introduction to Leatherworking**-6pm. Make a leather sheath, hair barrette, bracelet or other small leather project. Learn how to tool, dye and hand sew leather. Material fee \$10/per person. Adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Niagara Frontier Botanical Society Meeting**- 7:30 p.m. on the second Tuesday of each month, September through May, at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except April meeting). All General Meetings are open to the public and free of charge. "Fruit Salad." Speaker Carol Sweeney will discuss and illustrate the structure of a wide variety of fruits from apples and oranges to tropical fruits such as figs, pineapples, pomegranates, and more. She has promised to bring samples for us to examine, cut apart and eat! Carol is a retired botany professor at Niagara University and recent NFBS president and board member.

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

**ADK General Meeting/Program** -6:30 p.m. Fellowship Hall - Amherst Community Church, 77 Washington Highway, Snyder NY 14226. NOTE: Please park in rear and enter through back door (walk up to 2nd floor). Program Schedule: 6:30: Join us for a winter fun forum! We will gather to review or learn for the first time great local places to snow shoe and cross country ski. We will also review equipment needs, and how to get started. If you are experienced, please come with recommendations. 7:30pm-"Restore the Gorge" by Dave Spiering from the Western New York Land Conservancy. Dave moved to Buffalo in 2008 and became the ecologist for the Tiff nature preserve for the Buffalo Museum of Science for 9 years. As the Conservation Project Manager for Restore the Gorge, he will be updating our chapter on the 3- year project of ecological restoration in the Niagara Gorge.

**SciNights | Lake Effect Fun & Games**-6:30pm - 08:00pm at Tifft Nature Preserve. Join us on the 2nd Tuesday of the month for our new science discovery series for adults. Meet local nature-enthusiasts, share your interests and learn something new. *Light refreshments included.* Investigate the science of snow INDOORS with cryogenically frozen marshmallows at the hot mocha bar, create make-and-take fake snow, and listen to a dazzling presentation on snowflakes, lake effect facts and our Bentley Snow Crystal Collection. Pre-registration required. Cost: \$12 per participant. BMS Members save 10%, Ages: 18+. [register](#)

### Wednesday, January 10

**Tax Credit Drop-In Workshop** - 6–8 pm at Preservation Buffalo Niagara offices, Suite 201, 607 Main St., Buffalo. Call the office at (716) 852-3300 for more information. This Drop-In Workshop is FREE for PBN members and \$10 for non members- no pre-registration is required.

**Sierra Club Niagara Group Member Social**- 6pm to 8pm, the Sierra Club Niagara Group will be gathering at EXPO Market, [617 Main Street](#) in Buffalo. Stop by to say hello, learn about Niagara Group campaigns, and socialize with other members. Please contact Laura at [laura.evans716@gmail.com](mailto:laura.evans716@gmail.com) if you have any questions.

**Buffalo Talks : Buffalo & Erie County Botanical Gardens** –noon to 1 pm to hear about Lumagination, an interactive exhibit with light displays, creative designs and interactive features, which opens in late January. Guest Speaker: David Swarts, President & CEO. Location: Library Ring of Knowledge at Buffalo & Erie County Main Public Library. [Click here to reserve your space](#)

**Chlorine Disinfection Soup to Nuts: Chlorination and Dechlorination**-Chlorine has been used as a disinfectant in a variety of forms for many decades. This course is intended to provide a broad overview of the all aspects of the use of chlorine as a disinfectant including background and regulations as well as chemical delivery, storage, feeding, measuring, control and dechlorination for each of the various forms. 8am to 4pm. Register at [link](#). \$60/member, \$140 non-member. Protocol Restaurant, 6766 Transit Road, Williamsville, NY.

**Making Urban Forests Count:Quantifying and crediting stormwater benefits**- Webinar from 1 to 2:15pm. The water quality benefits of forests are widely accepted, yet very few studies have successfully quantified the runoff and pollutant-reducing impacts of trees in the urban landscape. Uncertainty as to how to "credit" urban trees - everything from individual street trees up to small patches of forest - for runoff and pollutant load reduction has hampered their use as a stormwater best management practice (BMP). In this webinar, Karen Capiella and Justin Hynicka will review the available stormwater crediting systems for urban tree planting and will present a new crediting system that can be integrated into state and local compliance systems for stormwater management. CONNECT TO THE WEBINAR ON YOUR SYSTEM at <https://usfs.adobeconnect.com/ucf/> .

**Alden Garden Club Meeting**-7pm at Alden Community Center, 13116 Main St., Alden. Remy Orłowski will speak on “Heirloom Vegetables.” [Info](#)

**Adult Workshop | Structures of Flight**-6 to 7pm at Tifft Nature Preserve. Give yourself a lift with a hands-on exploration of feather structure and wing dynamics. Explore the microscopic structures used for IDs in forensic ornithology. Make and test different avian forms to float on simulated air currents. Cost: \$15; 10% off for BMS Members, Ages: 18+. [Register](#)

**WNY Regional Science and Engineering Congress Kickoff**-4:30-6pm at Buffalo Museum of Science. What happens at the Fair? Giveaways! Resources! Freebies! Interactive experiences! Audience: teachers, leaders of Scouts/ 4-H/Boys & Girls Clubs, parents, Gr 5-12 students—anyone new to Science Fair competition Registration necessary for giveaways: <https://goo.gl/forms/qKdakB7wqeM3XlcC3>

### Thursday, January 11

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

**Western NY Forest Pest Taskforce (WFPTF)**- 9am at Erie County Emergency Service Training Center, 3359 Broadway, Cheektowaga, NY 14227. The conference call number is [1-866-742-8060](tel:1-866-742-8060). Enter 8507436#.

**Wellness Walk at Tiff Nature Preserve**- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. *\$2 donation per person appreciated.*

**The Role of Community Engagement in Creating Local Climate Action Plans**-Webinar from 10:30am to noon. Climate Smart Communities webinar. New York State has reaffirmed its commitment to reducing greenhouse gas emissions by 40 percent by 2030 and 80 percent by 2050 (from 1990 levels). Broad, community-level participation is critical in meeting these goals. How can local governments engage their communities and inspire a grassroots response to climate change? This Climate Smart Communities webinar will offer guidance on facilitating inclusive, community-driven planning processes and creating local climate action plans that reflect community priorities. If you plan to attend, provide your name, email and community affiliation to the DEC Office of Climate Change at [climatechange@dec.ny.gov](mailto:climatechange@dec.ny.gov) or [518-402-8448](tel:518-402-8448). In the event that we postpone the webinar, respondents will be notified. Registration is recommended but not required. To join webinar: [link](#) Enter r name and email address and meeting password: NYSDEC1. Click "Join".

### Friday, January 12

**Medicinal Herb Walk**-11am. Discover the medicinal values of the wild herbs that grow in Reinstein Woods. For adults and children ages 12 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

### Saturday, January 13

**Horticultural Class: Practical Principles of Pruning**-11am to 1pm at Buffalo & Erie County Botanical Gardens. \$20/class or \$105 for series (members). Info and registration at <https://www.buffalogardens.com/collections/adults/products/horticulture-i-certificate-series>

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

**Beaver Island snowshoe**- 10am-12pm *For information or registration call (716) 549-1050.*

**Ecokids**-11:00 a.m. – 12:30 p.m. at [DeVeaux Woods State Park](#). A program geared for pre-school & early elementary students! Once a month, each will involve an exploratory hike along with a book reading and a craft. We hope you and your little ones can join us for one or more of these fun classes. **Call (716) 282-5154 to register for any of these.** Topic: **Aren't the animals cold?** What do animals do to stay warm and fed during the cold winter months? Come listen to an interactive story, make a craft, and take a hike to see if any animals are still active in our woods.

**A Brief Natural History of the Niagara River and Niagara Falls**-10:30 to 11:30am at Pfeiffer Nature Center. Nature enthusiast Tim Baird will share his knowledge of the “new” 8th wonder of the world. This program looks into the geology of the Niagara River region and the formation of the Niagara Gorge and Niagara Falls. Details in the presentation may be new to the casual visitor to Niagara Falls and will aid in the appreciation of this truly unique region. This event will be held at The Portville Free Library, [1 North Main Street, Portville, New York 14770](#). Fee: Free for members, \$5 for non-members and free for children 13 and under. Minors must be accompanied by an adult. Register by 4 PM, Thursday, January 11th, 2018. Sign up on the programs Calendar on our website at [www.pfeiffernaturecenter.org](http://www.pfeiffernaturecenter.org) or contact the office at [716-933-0187](tel:716-933-0187).

**Orchids and Epiphytes (Air Plants) w/ David Clark**- 2pm. Build your knowledge of the growth habits and care techniques of these wonderfully unusual plants. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

**Winter Birding along the Niagara**-10:00am-12:30pm at Beaver Island State Park. Hiking around wetlands, woodlands and along the Niagara River with a focus on bird identification and ecology. Please bring binoculars or we will provide them if needed. Members \$7/Non-members \$10. Register at <http://earthspiritedu.org/events.html>

**Free Snowshoe Demo**-10:00 am - 2:00 pm. Instead of watching the Winter months pass by from your windows learn to enjoy the winter and what mother nature has to offer. Snowshoeing promotes health and fitness by only walking! Snowshoeing is a fun activity for all ages. Snowshoeing is a great adventure for the family and friends. Snowshoeing makes exploring terrain as easy as walking in the summer time. Come out and try snowshoeing with the instructors and guides from Paths, Peaks and Paddles. Our Instructors and Guides will be present to assist you with putting on your snowshoes, the use of poles and walking on the snow. You will then have the opportunity to take a short tour in the park so you can experience how to walk with snowshoes. Join us at Ellicott Creek Park off Niagara Falls Blvd Tonawanda, NY. We will be located next to the sledding hill in the park. We will have available for sale hot drinks to include hot chocolate and the introduction to Russian Tea. Dress for the weather! If you have any questions contact us at: 716-213-0350 or [christine@pathspeakspaddles.com](mailto:christine@pathspeakspaddles.com)

### **Sunday, January 14**

**Buckhorn State Park cross-country ski**-10am-12pm *For information or registration call (716) 549-1050.*

**The Secret Lives of Beavers**-2 to 3:30pm. Hidden beneath ice and snow is the busiest animal you'll ever know! Meet the beavers on a guided hike and indoor workshop investigating real clues at the beaver lodge and hands-on specimens in the classroom. Pre-registration required. Cost: \$6 per participant. BMS Members save 10%. Ages: All. [Register.](#)

**Snow Rolls with Go Bike Buffalo**- Adam Mickiewicz Library & Dramatic Circle, 612 Fillmore Ave. Buffalo. Meet at noon, ride at 12:30pm. Register at <https://slowrollbuffalo.org/>

### **Monday, January 15**

**Budding Naturalists**-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

### **Tuesday, January 16**

**Toddler Time: Winter Fairy Tea Party** – 10 to 11am. Bring your little ones and join us for some outdoor fun at Beaver Meadow making fairy houses in the snow! Afterwards, we will warm up indoors with some yummy tea and a snack! Pre-registration is required. \$3 per child. Accompanying Adults FREE. To register, call (585) 457-3228.

**Little Tykes Mini Nature Camp**-09:30am - 11:30am at Tifft Nature Center. Enjoy a morning of fun and exploration in our early childhood classroom with a different theme each month! Story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! **Advanced registration required. Cost:** \$7 per child with adult. **BMS Members save 10%, Ages:** 3-5, [Register.](#)

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

**Niagara River Greenway Executive Committee meeting and Commission Meeting**-2pm and 3pm at DeVeaux Woods State Park, 3160 DeVeaux Woods Drive, Niagara Falls 14305.

### **Wednesday, January 17**

**2 the Outdoors Forum: Animal Communication**-7:30pm - 09:00pm at Tifft Nature Preserve. Communication has long been thought to be a strictly human ability. Drop in for a fascinating evening as we dive into the issue of non-human communication with three guest speakers discussing communication by wolves, whales and elephants! Cost: FREE! Ages: 8+, [Register.](#)

**Behind-the-Scenes Collections Tour (Adults Only): Geology Rocks!**-6:00pm - 08:00pm. Buffalo Science Museum. *Tours are approximately 2 hours in length.* Holmes! What kind of rock is this? Sedimentary, my dear Watson. Learn why this and other *CoRn Y* jokes are funny by investigating the Museum's Geology Collection. What you see on display is just the tip of the iceberg. Come behind the scenes and see the rock cycle, marvel at our minerals and discover our large fossil collection. Ages: adults 18+. Cost: \$25 non-members, \$15 BMS members. Registration deadline: one week in advance. [Register.](#)

#### **Thursday, January 18**

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

**Wellness Walk at Tiff Nature Preserve**- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. *\$2 donation per person appreciated.*

#### **Friday, January 19**

**Get A Clue- Buffalo Museum of Science**-6 pm - 9 pm. Tickets include the murder-mystery game, a cash bar (beer and wine), food for sale and access to all of the Museum's permanent exhibits and galleries including TIFF's digiPlaySpace by M&T Bank! Adults 21 and over only. Non-Member Ticket: \$25, Member Ticket: \$20. [Buy Now](#)

**Greater Niagara Fishing & Outdoor Expo**-3 days at the Conference and Event Center in Niagara Falls. This "pure" fishing show is designed to be an "event" where attendees can spend a long weekend enjoying and learning about your favorite pastime versus the normal one or two hour "walk through" shows that many are used to attending. Info at <http://niagarafishingexpo.com/>

#### **Saturday, January 20**

**Horticultural Class: Intro to Landscape Design**-11am to 1pm at Buffalo & Erie County Botanical Gardens. \$20/class or \$105 for series (members). Info and registration at [gardens](#)

**Educator Workshop: Project WET**-9am to 12:30pm. Project WET (Water Education for Teachers) helps teachers use water to teach English language arts, science, math and more! Participants receive a standards-based interdisciplinary curriculum guide that includes lessons covering water's physical and chemical properties, cultural connections to water and water resource management. For formal and non-formal educators of students in grades K-12. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Woods Walk: Winter Tree ID**-1pm. Learn how to identify local trees after they lose their leaves. No registration required. Reinstein Woods Nature Preserve.

**Birding 101: Class #1**-2:30pm. Join us for a bird identification adventure! Learn to identify common birds and how to properly use binoculars. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Evangola State Park Snowshoe**- 10am-12pm *For information or registration call (716) 549-1050.*

**Nature Signs** –10 to 11:30am. Join Buffalo Audubon Naturalist Mark Carra for a hike around Beaver Meadow to look for the signs that nature leaves us. Let's learn how to pay attention to the subtleties we rarely notice that are right before us. Pre-registration is required. \$5. To register, call (585) 457-3228.  
20 Sat 1-3pm Junior Audubon Club – Birding at the Zoo - Join Buffalo Audubon Naturalist Tom Kerr at the Buffalo Zoo for some tropical birdwatching! Beat the winter weather and take your binoculars inside the Rainforest to discover the many different birds on display. Binoculars are available. Preregistration and Zoo admission are required. Ages 6-12. Donations gratefully accepted. To register, call (585) 457-3228.

**Vermicomposting w/ Caesandra Seawell**-2pm. Come learn how to build a worm bin, care for your compost and brew fortified tea for your gardens. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

**Greater Niagara Fishing & Outdoor Expo**-3 days at the Conference and Event Center in Niagara Falls. This “pure” fishing show is designed to be an “event” where attendees can spend a long weekend enjoying and learning about your favorite pastime versus the normal one or two hour “walk through” shows that many are used to attending. Info at <http://niagarafishingexpo.com/>

### Sunday, January 21

**Snowshoe Walk at Knox Farm State Park** – 1 to 3pm. Join us for a healthy walk around Knox Farm State Park. Bring your own snowshoes or rent them from us! This is a snow dependent program. Preregistration required by Saturday, January 20th. Space is limited. Please wear sturdy winter boots. Meet at the Knox Farm Visitor Center parking lot located on Buffalo Road. Donations gratefully accepted. \$3 for snowshoe rental. To register, call (585) 457-3228.

**GObike Buffalo Community Workshop**- 6-8 pm, Class: Bearing Overhauls. Bearings help keep bikes rolling! If they are out of adjustment, your bike could be in for some serious issues. Learn how to assess, adjust and overhaul the various bearing systems in a bike. *Cost for classes is \$10 and most sessions are limited to 10 people. Please RSVP to [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least TWO days prior to class if you plan to attend.*

**Greater Niagara Fishing & Outdoor Expo**-3 days at the Conference and Event Center in Niagara Falls. This “pure” fishing show is designed to be an “event” where attendees can spend a long weekend enjoying and learning about your favorite pastime versus the normal one or two hour “walk through” shows that many are used to attending. Info at <http://niagarafishingexpo.com/>

### Monday, January 22

**Budding Naturalists**-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

### Tuesday, January 23

**Sierra Club Meeting**- 7 to 9pm in Room 324, Duns Scotus Hall, Daemen College, 4380 Main St., Amherst, 14226. All welcome. Check meeting details at <https://niagarasierraclub.com/>

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable’s Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

**Small Farm Financials Workshop**-6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County’s Agriculture Program as part of their [2017-2018 L.E.A.F. \(Learn. Empower. Achieve. Farm.\) Workshop Series](#). Participants will learn how to keep records and track financial information for a successful farm business. Geared toward beginning record-keepers, participants will learn about common record-keeping methods, preparation of common financial statements and the importance of knowing the financial pulse of your farm. This class will focus on hands-on exercises and examples. Please bring a calculator. The instructor is Ginny Carlberg, financial consultant for NY FarmNet. Cost is \$5 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email [kaw249@cornell.edu](mailto:kaw249@cornell.edu), or call 716-664-9502, ext. 202.

### Wednesday, January 24

**pH Drinks & Colorful Cocktails** - Ages 18+, 6:00pm - 07:00pm at Tifft Nature Preserve. Learn how to up your cocktail and mocktail game with color-changing mix-ins. Turn the tint using butterfly pea blossoms, lemon and “basic” additions, all while learning a bit of chemistry. Ages: adults 18+, Cost: \$15. [Register](#).

**Vertebrates of the World (Part 1)**- 12:45pm - 02:45pm at the Buffalo Science Museum. Either you have bones or you don't. Of the five classes that have these structures, what makes some animals birds, some mammals and some fish? We'll look into the distinctions and note the exceptions during this four-part session (Jan. 24 & 31, Feb. 7 & 14). Part of the *Homeschool Series*. Advance registration required. Cost: \$100 per child. BMS Members save 10%. Grades: 2-5. [Register](#).

**West Valley Citizen Action Task Force**- 6:30-9:00 p.m. at Ashford Office Complex, 9030 Route 219, West Valley, NY.

**2018 Annual Seminar Air and Waste Management**-8am to 4:30pm. [details](#). Templeton Landing, 2 Templeton Terrace, Buffalo, NY 14202. Advanced Individual Registration with CLE credits (through Jan 13) – \$110.00 Cost for CLE credits (\$25) paid for by the Knoer Group for first 10 registered.

**National Federation for Just Communities Leader Awards Lunch**-noon at Buffalo Niagara Convention Center. Call 853-9596 for tickets or info at <http://www.nfjcwny.org/>

#### **Thursday, January 25**

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

**Soil Health and Your Land Learning Circle** - ([Click here to register and for additional information](#)). Livingston County Center for Emergency Operations and Training, 3360 Gypsy Lane, Mount Morris, NY 14510. New York Women Farmland Owners Learning Circles. Learning Circles are for women farmland owners and managers that would like to get together with other women and share information about conservation and stewardship in a relaxed, nonjudgmental setting. \$10/ session.

**Wellness Walk at Tifft Nature Preserve**- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. \$2 donation per person appreciated.

**Erosion and Sediment Control Workshops for Construction Site Contractors and Operators** -8am to 1pm. All contractors and subcontractors working under the NYS Department of Environmental Conservation's (NYSDEC) Permit GP-0-15-002 (SPDES General Permit for Stormwater Discharges from Construction Activity), must identify at least one Trained Contractor from their company responsible for implementation of the Stormwater Pollution Prevention Plan (SWPPP), and have at least one Trained Contractor perform a daily site inspection when soil disturbance activities are being performed. All Qualified Inspectors and Trained Contractors must complete 4 hours of training in the principles and practices of erosion and sediment control through a program endorsed by NYDEC, SWCD or CPESC, Inc. every three years. Upon completion, each participant will receive a NYS DEC registration number that is valid for 3 years. Certified Professionals in Erosion and Sediment Control (CPESC), LA's and PE's are exempt from these training requirements. (same class offered on February 15 at different location). Registration fee is \$95.00 per attendee and includes refreshments and all training materials. Attendees must pre-register by January 17. Please contact Don Stribick at (716) 652-8480 to register for either of the workshops. Erie County Emergency Services Training Facility, 3359 Broadway, Cheektowaga, NY 14227. Info at <http://www.dec.ny.gov/chemical/8699.html>.

**Pasture management and grazing and fencing workshop**-6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. Presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their [2017-2018 L.E.A.F. \(Learn. Empower. Achieve. Farm.\) Workshop Series](#). Workshop participants will have the opportunity to learn about improving pastures through grazing management, renovating pastures to improve quality and quantity of forage, sizing pasture for different livestock species, fencing options and providing water in pastures. The instructor for this workshop will be Lisa Kempisty, dairy/livestock educator with Cornell Cooperative Extension, who has worked with local dairy and livestock producers for more than 30 years on managing pastures and grazing strategies for raising healthy and productive animals who will be joined by industry leaders who will share their experiences. The cost is \$5 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email [kaw249@cornell.edu](mailto:kaw249@cornell.edu), or call 716-664-9502, ext. 202.

**Adventures in Buffalo History**-This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: \$10, Explorer Pass Holders: Free. Register at <https://explorebuffalo.org/speaker-series-2/> Topic: Larkland: The Larkin Family Estate, And Virtual Tour of the Pan-American Exposition.

### Friday, January 26

**Behind-the-Scenes Collections Tour (Adults Only): Cabinet of Curiosities**-2 to 4pm. Get behind-the-scenes to see what few have seen and explore our research, special, and teaching collections in themed tours taking place throughout the month. *Tours are approximately 2 hours in length.* Take a peek into the Vertebrate Zoology Collection's spine tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! Marvel at obscure oddities, glimpse the wildly unusual and satisfy your macabre interests. Feeling enticed yet? We invite (dare) you to join us for a hair raising tour to get an eyeful of all this, and more... You truly never know what you might encounter in the Cabinet! Ages: adults 18+. Cost: \$25 non-members, \$15 BMS members. Registration deadline: one week in advance. [Register.](#)

### Saturday, January 27

**Horticultural Class: Sustainable Landscaping Practices**-11am to 1pm at Buffalo & Erie County Botanical Gardens. \$20/class or \$100 for series (members). Info and registration at <https://www.buffalogardens.com/collections/adults/products/horticulture-i-certificate-series>

**Evangola State Park cross-country ski**- 10am-12pm *For information or registration call (716) 549-1050.*

**Dare to Repair Café**-10am to 2pm at Reinstein Woods. Bring broken items (lamps, vacuums, clothes etc.) and have volunteer "fixers" try to repair them for free! This event is designed to reduce waste going to landfills and build community. No registration required. Reinstein Woods Nature Preserve. For more information, visit <http://reinsteinwoods.org/events/repair-cafe> or call 716-683-5959.

**Explore Buffalo's 2018 Winter Gala**- Hotel at the Lafayette. Purchase a ticket today to join us for an evening in support of Explore Buffalo at one of Buffalo's most elegant settings. Tickets include two drink tickets and an assortment of hors d'oeuvres throughout the evening from Marquis de Lafayette. Music by Saxman Slim will entertain you throughout the evening. The Winter Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items, from original local artwork to special behind-the-scenes tours. This is also your annual opportunity to vote on possible new tours for Explore Buffalo's 2018 tour season! The VIP Ticket allows early access to the event with a champagne reception, and a special complimentary gift! [tickets](#)

**80th Anniversary of the Honeymoon Bridge Collapse** -10 to 11:30am at DeVeaux Woods State Park. This year marks the 80th anniversary of the collapse of the Honeymoon Bridge. Join us for a presentation filled with photos that span the 40 years of its existence. *For information & registration call (716) 282-5154.*

**Ice Bridge of Niagara**-1 to 4pm at Niagara Falls State Park. Come see Niagara Falls in the winter! A park naturalist will be in the park visitor center to answer your questions about Ice Bridges and more! *For information call (716) 282-5154.*

**Beginner Birding** – 9 to 11am. Join Buffalo Audubon Naturalist Tom Kerr for a Beginner Birding walk on Buffalo's Unity Island. Ducks and Gulls congregate by the hundreds in the Niagara River during the winter, and can be easy for beginner birders to start with. We'll go over identification tips, how to use a field guide, and how to use binoculars. Binoculars are available. Pre-registration is required. Donations gratefully accepted. To register, call (585) 457-3228.

**Winter Tree ID** – 2 to 3:30pm. Using the amazing resource of our Arboretum at Beaver Meadow, we will search out the differences between the native trees using their twigs, buds and other signs. Join Buffalo Audubon Naturalist Mark Carra on a leisurely walk through the trees to unlock their secrets. Pre-registration is required. \$5. To register, call (585) 457-3228.

**Night in the Wild Family Sleepover**-5:00pm - 09:00am. Celebrate winter with an indoor family sleepover at the Buffalo Science Museum! Guests will enjoy indoor nature activities, live animals, stories by candlelight, crafts, games, and guided night hike experience in the wilderness. Pizza, snacks, hot cocoa bar, in the evening and a continental breakfast in the morning will be served. Advance registration required. Cost: \$27 per participant. BMS Members save 10%. Ages: All. [Register](#).

**Houseplants and Succulents w/ David Clark**-2pm. Learn best practices for watering, disease and pest management and feeding your plants. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

**Snowshoe Adventure Hike**-10:00am-12:30pm at West Falls Park. A moderately challenging hike through open fields and mature forests with a focus on snowshoeing skills and general Winter ecology. Snowshoes will be provided. <http://earthspiritedu.org/events.html> for registration and cost.

### Sunday, January 28

**Learn to Cross-Country Ski**-10am. Learn the basics of cross-country skiing before going on a short guided ski tour. Ski rental \$8, \$5 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Snowshoeing & Cocoa**-10am to 1pm at Darwin Martin House State Historic Site. Borrow a pair of our snowshoes for a trip through Delaware Park and finish the trek at the Martin House for some hot cocoa! Afterwards participants have the option of taking a tour of the beautiful house. FREE for snowshoeing and hot chocolate. Optional Darwin Martin House tour \$10 a person. *For info & registration call (716) 549-1050.*

**Winterfest 2018**- 11:00 am - 4:00 pm. Winterfest will be held with or without snow and will feature free family activities including: sledding, snowshoe hikes, marshmallow roasting, arts & crafts, snow sculpting, hay rides, wood branding and much more. More information is available by calling the Parks Department at [\(716\) 858-8513](tel:716-858-8513) or visiting their website at [www.erie.gov/parks](http://www.erie.gov/parks).

### Monday, January 29

**Clean Air Coalition Member Monday** - Come Help Out! 4pm – 6pm at Clean Air Headquarters - 52 Linwood Ave. ([map](#)). Stop by the Clean Air office, meet other folks that care about their neighborhood and help us with mailings, research, turn out calls, or other important work. Give us a call and let us know you plan on stopping by: 716-852-3813

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

### Tuesday, January 30

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

### Wednesday, January 31

**Vertebrates of the World (Part 2)**- 12:45pm - 02:45pm. Either you have bones or you don't. Of the five classes that have these structures, what makes some animals birds, some mammals and some fish? We'll look into the distinctions and note the exceptions during this four-part session (Jan. 24 & 31, Feb. 7 & 14). Part of the *Homeschool Series*. **Advance registration required. Cost: \$100 per child. BMS Members save 10%.** Grades: 2-5. [Register](#).

**Blue Moon Walk**-7pm. Explore the forest under the light of the second full moon this month. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Behind-the-Scenes Collections Tour (Adults Only): Knox Your Average Piggy Bank**-10:00am - 12:00pm at the Buffalo Museum of Science. *Tours approximately 2 hours in length.* Teeth and hair and cheese, oh my! Have you ever wondered how people “paid” for things before the adoption of standardized money? Here is your chance to find out. Come behind the scenes and learn about the Knox Money Collection and the evolution of money. Ages: adults 18+, Cost: \$25 non-members, \$15 BMS members, [Registration](#) deadline: 1 week in advance.

#### **Thursday, February 1**

**PLANT WNY CNLP Day: Horticulture 101 & Education Trade Show Conference** - Salvatore's Italian Gardens Restaurant 6461 Transit Rd Depew, NY 14043. Contact : PLANT WNY (716) 741-8047 or [brochure](#)

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

**Business Planning for Beginning Farmers**- 6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. Part of [2017-2018 L.E.A.F. \(Learn. Empower. Achieve. Farm.\) Workshop Series](#). This seminar introduces the new farmer to the basic format and concepts expected in a business plan. In addition to the actual farming, a farm operation requires management, record keeping, taxes, financing, marketing, permits, competition analysis and research. Research is ongoing for suppliers, competition, new products and services, resources and most importantly – customer needs. Once your farm is established, you can revisit each area for improvements on a regular basis. It's your business so make it the best it can be. Don't underestimate the importance of planning. While it is possible to start with minimal planning, successful businesses typically have a plan, know their market, their customers and have a good understanding of the financial requirements of the business. A farm business plan is also necessary in most instances when seeking financing. This workshop will be taught by Scott Miller, business advisor with the Small Business Development Center at Jamestown Community College who has had several years of experience working with beginning farm business owners in our area. The cost is \$5 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email [kaw249@cornell.edu](mailto:kaw249@cornell.edu), or call 716-664-9502, ext. 202.

#### **Friday, February 2**

**PLANT WNY Education Trade Show Conference** - Salvatore's Italian Gardens Restaurant 6461 Transit Rd Depew, NY 14043. Contact : PLANT WNY (716) 741-8047 or [brochure](#)

#### **Saturday, February 3**

**Learn to Cross-Country Ski**-10am. Learn the basics of cross-country skiing before going on a short guided ski tour. Ski rental \$8, \$5 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

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

**Snowshoeing & Cocoa**-10am to 1pm at [Darwin Martin House State Historic Site](#). Borrow a pair of our snowshoes for a trip through Delaware Park and finish the trek at the Martin House for some hot cocoa! Afterwards participants have the option of taking a tour of the beautiful house. FREE for snowshoeing and hot chocolate. Optional Darwin Martin House tour \$10 a person. **For information & registration call (716) 549-1050.**

**Superb Owl Saturday** – 2 to 5pm. Join us for a live owl presentation, crafts, owl pellet dissection, trading card exchange and more during our all day celebration of Owls! Vote throughout the day to determine this year's Superb Owl! Pre-registration is required. \$5. Indoor program. To register, call (585) 457-3228.

**Owl Prowl** – 6 to 8pm. Finish off Superb Owl Saturday with a nocturnal hike with Buffalo Audubon Naturalist Tom Kerr. We'll search for the Eastern Screech-owls and Barred Owls that make their home at Beaver Meadow Audubon Center. Pre-registration is required. \$7. To register, call (585) 457-3228.

**Making Valentines w/ Caesandra Seawell-3pm.** Make your loved ones a special valentine using antique and modern materials. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

## Sunday, February 4

**GObike Buffalo Community Workshop - 6-8 pm,** Class: Drivetrains. What's the difference between a fixed gear and a freewheel? Gear ratios? Sounds like math. Why does my chain drop every time I downshift to climb a hill? We have the answers! Join us for hands-on learning and discussion of different crank types, chain sizes, cassettes, freewheels, derailleurs and shifting. *Cost for classes is \$10 and most sessions are limited to 10 people. Please RSVP to [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least TWO days prior to class if you plan to attend.*

## Tips for the Environment:

1. **Save food from the bin**-Food waste contributes to greenhouse gas emissions through energy used in its production, transportation and decomposition. Aside from composting, there are lots of strategies for extending the edible life of many foods including storage strategies and uses for stale bread, sour milk and others. Check out tips at <https://www.savisto.com/blog/guide-to-freezing-food>, <https://www.lovefoodhatewaste.com/>
2. **Got New Electronic “Toys”**- Don't forget to recycle your old electronics. For info on what is acceptable and how to dispose of items, check [here](#).

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## Remember the 4 R's: Reduce, Reuse, Recycle, Repair

By Lesley Haynes

Greetings friends:

Here we are again, entering a New Year. At last we can take a moment and exhale from participating in the hustle and bustle of the holiday season.

Recently I noticed that most of the customers who were shopping at our local grocery store were bringing their own canvas or cloth bags to put their items in. I know that many of you have cut back on the use of plastic but it remains an issue in this country.

There are still major problems with the plastic debris in the "Great Pacific Garbage Patch" which has killed millions of birds and other marine animals. Check it out online and you will see the mountains of plastic that have accumulated. One popular claim is that the size of the patch is twice that of the state of Texas - half a million square miles.

Although this does not provide the ultimate solution I am sharing this list of 23 ways to reduce our plastic consumption:

1. Compost your trash to reduce your use of plastic bags.
2. Do not use trash can liners – just tip your rubbish into the bin.
3. Take reusable cloth bags to the stores with you. If you have a car, keep your grocery bags in it and remember to bring them into the store with you! Also, carry them for all your purchases, from electronics to clothing.
4. Stop buying sodas, juices, and all other plastic-bottled beverages and opt for glass where possible.
5. Carry your own thermal mug and ask coffee retailers to fill it for you rather than taking a disposable cup. Bring your own coffee mug to work with you.
6. When ordering pizza, say no to the little plastic “table” in the middle of the pizza box.

7. Avoid buying foods packaged in plastic. Buy loose fruit and vegetables. Buy from bulk bins as often as possible. These foods include rice and other grains, pasta, beans (learning how to cook dried beans is an important part of plastic-free living). Seeds, nuts, all kinds of flour, baking soda and other dry baking ingredients, cereal and granola, pretzels and chips, some candy, tofu, oils, nut butters, olives, and herbs, are several of the items that you can buy.
8. Make your own bread or buy fresh bread from bakeries that package it in paper or no bags.
9. Clean your home with baking soda and vinegar instead of using cleaning products packaged in plastic.
10. Buy laundry detergent in boxes, not liquid in plastic containers.
11. Buy cheese and meat from your local delicatessen and have it wrapped in paper.
12. Use bar soap to wash your dishes – and yourself.
13. Use scented candles or incense instead of artificial air fresheners.
14. Buy milk in paper cartons or glass, rather than plastic bottles.
15. Buy toilet paper that is wrapped in paper, not plastic.
16. Don't wrap left-over foods in plastic - use aluminum or wax paper instead.
17. Give your pets cloth-based toys, like catnip mice and soft balls.
18. Buy cloth diapers instead of disposables.
19. Stuff delicate postal packages with old newspapers or junk mail instead of bubble wrap.
20. Use rechargeable batteries to avoid buying batteries packaged in plastic.
21. Say "no" to plastic produce bags. They are generally unnecessary.
22. Shop at your local farmers market.
23. Farmers markets are a great place to buy fresh, local produce without plastic, as long as you remember to bring your own bags.

Don't forget - "Together we can make a difference!" [lesleyhaynes14@yahoo.com](mailto:lesleyhaynes14@yahoo.com)

Wishing you all a very Happy 'Green' New Year

## Ongoing Volunteer Opportunities Available

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

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

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

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

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

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

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

**Queen City Farms**- Contact Meghan at [meghmccallum@gmail.com](mailto:meghmccallum@gmail.com). Remember that families with children are always welcome with parental supervision.

**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.

**Tiftt Nature Preserve** also needs volunteers for their programs, communications, fund-raising and other events. Call 662-1342 or email [tifttfriends@yahoo.com](mailto:tifttfriends@yahoo.com).

#### **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://www.buffalobarnraisers.com/>

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

#### **Additional local blogs and websites-**

Buffalo Barn Raisers- <http://www.buffalobarnraisers.com/>

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/>

Daily Public- <http://www.dailypublic.com/>

Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>

DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>

Edible Buffalo- <http://ediblebuffalo.wordpress.com/>

Erie Cattaraugus Rail Trail- <http://www.ecattrail.org/>

Fix Buffalo- <http://fixbuffalo.blogspot.com/>

Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>

GBNRTC-<http://www.gbnrtc.org/blog/>

Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>

Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>

Learning Sustainability Campaign- <http://www.learningsustainability.com/>

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>

Good Neighborhood- <http://thegoodneighborhood.com/>

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)

All about Nature- <http://www.meetup.com/All-About-Nature-in-WNY/>  
Black Dog Rescue- [www.blackdogsecondchance.org](http://www.blackdogsecondchance.org)  
Peace Weavers- <http://peaceweavers.org/>  
Eco-Island Nature Center- [www.k12.ginet.org/resources.cfm?subpage=6518](http://www.k12.ginet.org/resources.cfm?subpage=6518)  
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/>  
SOLE of Buffalo- <https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420>  
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>  
South Buffalo CREW- <http://www.southbuffalocrew.com/>  
U Save Buffalo/Recycling- <http://www.facebook.com/USaveBuffalo>  
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>  
WGRZ Outdoors- <http://www.wgrz.com/local/2-the-outdoors/>  
Citizen Science Opportunities- [listing](#)

### **New York State Resources**

Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

### **Green Jobs, Internships and Opportunities**

Environmental Internships-<http://environmentalinterns.ncseonline.org/>  
Green Jobs- <http://www.greatgreencareers.com> , <http://www.greenjobs.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.buffaloudubon.org](http://www.buffaloudubon.org)  
[www.buffalogardens.com](http://www.buffalogardens.com)  
[www.buffscience.org](http://www.buffscience.org)  
[www.tiff.org](http://www.tiff.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.wnygrantmakers.org/](http://www.wnygrantmakers.org/)  
[www.grantstation.com](http://www.grantstation.com)  
[www.grantwatch.com](http://www.grantwatch.com)

[www.grantwrangler.com](http://www.grantwrangler.com)  
[www.grantsalert.com](http://www.grantsalert.com)  
<http://www.glrppr.org/funding/>  
<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/>  
Busti Cider Mill- [www.busticidermill.com](http://www.busticidermill.com)  
Canticle Farms-<http://www.canticlefarm.org>  
Chicken Worth Eating-<http://www.chickenwortheating.com/>  
Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>  
Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>  
Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>  
Erie County Farmers' Markets- [http://www.agriculture.ny.gov/AP/CommunityFarmersMarkets.asp#Erie County](http://www.agriculture.ny.gov/AP/CommunityFarmersMarkets.asp#Erie%20County)  
Falkimmer Farms- <http://falkimmerfarms.com/>  
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.first-light-farm.com>  
Five Loaves Farm- [Kauffman.m@gmail.com](mailto:Kauffman.m@gmail.com)  
Flavor Farm- [www.flavor-farm.com](http://www.flavor-farm.com)  
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)  
Groundwork Market Garden- <http://www.groundworkmg.com>  
Harvest Patch- <http://www.harvestpatch.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- <http://www.platodalefarm.org/>  
Porter Farms- <http://porterfarms.org/>  
The Promised Land- <http://www.promisedlandcsa.com/produce.htm>  
Queen City Farm- [www.queencityfarm.org/](http://www.queencityfarm.org/)  
Reigle's on the Ridge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>  
Richardson Farms/Grace's Garden- <http://www.localharvest.org/richardson-farms-graces-garden-M51641>  
Roots & Wings Family Farm- <http://www.rootsandwingsfamilyfarm.com>  
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)  
Thorpe's Organic Farm- [www.thorpesorganicfamilyfarm.com](http://www.thorpesorganicfamilyfarm.com)  
T-Meadow Farms- <http://tmeadowfarm.com/>  
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>  
NY Sustainable Agriculture Working Group- <http://www.farmtraveleronline.com/>  
NYSAWG Links to Farmers' Markets, CSA, Other farms- <http://www.nysawg.org/directory-of-farms.html>  
Local Harvest (resource site)-<http://www.localharvest.org/>  
NY Agri-women - <http://www.newyorkagriwomen.com/>  
Local Meats- <http://meatsuite.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

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)

Carpet- WNY Professional Flooring, 864-3875

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

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 dropoffs

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

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)

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](http://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](#)

**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://allegannaturepilgrimage.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

<http://www.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/>

Bless the Beasts Foundation	<a href="http://blessthebeastsinc.webs.com/">http://blessthebeastsinc.webs.com/</a>
Bond Lake Environmental & Beautification Committee	<a href="http://www.freewebs.com/bondlake/">http://www.freewebs.com/bondlake/</a>
Braddock Bay Bird Observatory	<a href="http://braddockbaybirdobservatory.wordpress.com/">http://braddockbaybirdobservatory.wordpress.com/</a>
Buffalo Architecture Foundation	<a href="http://www.buffaloarchitecture.org/">http://www.buffaloarchitecture.org/</a>
Buffalo Astronomical Association	<a href="http://buffaloastronomy.com/">http://buffaloastronomy.com/</a>
Buffalo Audubon Society/Beaver Meadow Nature Center	<a href="http://www.buffaloudubon.org">www.buffaloudubon.org</a>
Buffalo Bike Share	<a href="http://www.buffalobikeshare.org/">www.buffalobikeshare.org/</a>
Buffalo Niagara Community Reinvestment Coalition	<a href="https://www.facebook.com/BNCRC/">https://www.facebook.com/BNCRC/</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://buffalofarmtoschool.org/">http://buffalofarmtoschool.org/</a>
Buffalo First	<a href="http://www.buffalofirst.org/">www.buffalofirst.org/</a>
Buffalo Geological Society	<a href="http://www.bgsny.org">www.bgsny.org</a>
Buffalo Green Code	<a href="http://www.buffalogreencode.com/">http://www.buffalogreencode.com/</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 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-orienteeing.org/">http://www.buffalo-orienteeing.org/</a>
Buffalo Ornithological Society	<a href="http://www.buffaloornithologicalsociety.org/">http://www.buffaloornithologicalsociety.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>
Citizen Science Community Resources	<a href="http://www.airhugger.org/">http://www.airhugger.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="http://www.cacwny.org/">http://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://chautauqua.cce.cornell.edu/">http://chautauqua.cce.cornell.edu/</a>
Cornell Cooperative Extension for Erie County	<a href="http://counties.cce.cornell.edu/erie/">http://counties.cce.cornell.edu/erie/</a>
Cornell Cooperative Extension for Niagara County	<a href="http://counties.cce.cornell.edu/niagara/">http://counties.cce.cornell.edu/niagara/</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>
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="http://www.eriecanalharbor.com/">http://www.eriecanalharbor.com/</a>
Erie County Community College Going Green	<a href="http://eccgoinggreen.ecc.edu/index.html">http://eccgoinggreen.ecc.edu/index.html</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>
Fillmore Forward	<a href="http://www.fillmoreforward.org/">www.fillmoreforward.org/</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>
For A Clean Tonawanda Site	<a href="http://www.factsofwny.com/">www.factsofwny.com/</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 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>
Good Going WNY	<a href="http://www.goodgoingwny.com">www.goodgoingwny.com</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 Development Zone	<a href="http://greendevlopmentzone.org/">http://greendevlopmentzone.org/</a>
Green Sun Seed Library	<a href="https://www.facebook.com/groups/GreenSunSeedLibrary/">www.facebook.com/groups/GreenSunSeedLibrary/</a>
Greenup Jamestown	<a href="https://www.greenupjamestown.com/">https://www.greenupjamestown.com/</a>
Greenworks WNY	<a href="https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/">facebook.com/Greenworks-Buffalo-Niagara-418537631544691/</a>
Groundwork Buffalo	<a href="http://www.gwbuffalo.org">www.gwbuffalo.org</a>
Habitat for Humanity Buffalo	<a href="http://www.habitatbuffalo.org/">http://www.habitatbuffalo.org/</a>
HEART Animal Rescue and Adoption	<a href="https://www.heartforanimals.org/events.php3">https://www.heartforanimals.org/events.php3</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="http://bkhopeducation.wixsite.com/hopeducation-network">http://bkhopeducation.wixsite.com/hopeducation-network</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>
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://www.jamestownaudubon.org">www.jamestownaudubon.org</a>
Jamestown Community College	<a href="http://www.sunyjcc.edu/sustainability">http://www.sunyjcc.edu/sustainability</a>
Jane's Walk-Buffalo	<a href="http://janewalk.org/united-states/buffalo-ny/">http://janewalk.org/united-states/buffalo-ny/</a>
Junior Solar Sprint Buffalo	<a href="http://www.jssbuffalo.com">www.jssbuffalo.com</a>
Lake Erie Seaway Trail Center	<a href="http://lakeerieseawaytrail.org/">http://lakeerieseawaytrail.org/</a>
League of Women Voters of Buffalo Niagara	<a href="http://www.lwvbn.org/">http://www.lwvbn.org/</a>
Learning Sustainability Campaign	<a href="http://www.learningsustainability.com/">http://www.learningsustainability.com/</a>
Local Initiatives Support Corporation	<a href="http://www.lisc.org/buffalo/">http://www.lisc.org/buffalo/</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/centralwestern">http://Nature.org/centralwestern</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.nylecv.org/">http://www.nylecv.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="http://www.nysparks.com">www.nysparks.com</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 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="http://sites.google.com/a/niagarafrontierbotanicalsociety.org/niagara-society">sites.google.com/a/niagarafrontierbotanicalsociety.org/niagara-society</a>
Niagara River Anglers Association	<a href="http://www.niagarariveranglers.com">http://www.niagarariveranglers.com</a>
Niagara River Greenway Commission	<a href="http://www.niagaragreenway.org">www.niagaragreenway.org</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>
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>

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>
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>
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="http://www.niagara.edu/renu/">http://www.niagara.edu/renu/</a>
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	<a href="http://rarerehab.org/">http://rarerehab.org/</a>
Restore our Community Coalition	<a href="http://rocbuffalo.org/">http://rocbuffalo.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">rochesterenvironment.com/EXTRA/enviromentalists.htm</a>
Roger Tory Peterson Institute	<a href="http://www.rtpi.org">www.rtpi.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://facebook.com/South-Bufferalo-Alive-174141769403626/">facebook.com/South-Bufferalo-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>

Sustainable Earth Solutions	<a href="http://www.sustainableearthsolutions.com">www.sustainableearthsolutions.com</a>
Tesla Fest	<a href="https://www.teslafest.org/">https://www.teslafest.org/</a>
Tifft Nature Preserve	<a href="http://www.tifft.org/tifft/">http://www.tifft.org/tifft/</a>
Tonawanda Creek Watershed Committee	<a href="https://tonawandacreek.shutterfly.com/">https://tonawandacreek.shutterfly.com/</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.eng.buffalo.edu/esw">http://www.eng.buffalo.edu/esw</a>
UB Environmental Network	<a href="http://www.facebook.com/groups/2239558471/">www.facebook.com/groups/2239558471/</a>
UB Office of Sustainability	<a href="http://www.buffalo.edu/sustainability.html">www.buffalo.edu/sustainability.html</a>
UB Regional Institute	<a href="http://regional-institute.buffalo.edu/">http://regional-institute.buffalo.edu/</a>
University Heights Collaborative	<a href="http://ourheights.org/">http://ourheights.org/</a>
UnwasteNY	<a href="http://www.unwastenyc.org">http://www.unwastenyc.org</a>
Urban Land Institute	<a href="http://newyork.uli.org/regional/">http://newyork.uli.org/regional/</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="http://www.voice-buffalo.org">http://www.voice-buffalo.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 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="http://www.wnylc.org/">http://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/">facebook.com/WNY-Permaculture-1098493876841295/</a>
Western New York Science Congress	<a href="http://wnyssc.org/">http://wnyssc.org/</a>
Western New York Service Learning Coalition	<a href="http://levesqueinstitute.niagara.edu/programs/wnyslcl/">http://levesqueinstitute.niagara.edu/programs/wnyslcl/</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">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.westsideminstries.org/">http://www.westsideminstries.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>

