

# Enviro-News

January, 2017

Sponsored by Daemen College's Center for Sustainable Communities and Civic Engagement and Global & Local Sustainability Program

## Newsletter Contents:

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

## Articles:

### After the Holidays Recycling in Buffalo

The City of Buffalo is hosting a recycling event on **Saturday, January 7** from 9am to 2pm at the City of Buffalo Engineering Garage, 1120 Seneca St, 14210. Electronics, holiday trees, holiday lights, styrofoam (not packing peanuts or food containers) and clothing/textiles will be accepted. For more info, check [www.buffalorecycles.org](http://www.buffalorecycles.org).

### Explore Buffalo Docent Training Program

The Winter 2017 Docent Training Program will train new docents in the downtown *Masters of American Architecture* walking tour. Class times are Saturday mornings, 9 AM to 12 PM, from **February 11 to April 1, 2017**. Weekly attendance is essential; applicants who will miss more than one week due to travel commitments, etc. should consider other volunteer opportunities with Explore Buffalo. Classroom sessions will be held at First Presbyterian Church on Symphony Circle and field sessions for the specific tour training will take place at various downtown locations. An Info Session for the Winter Docent Training Program will be held **Tuesday January 10** at 7pm will be approximately one hour in length at First Presbyterian Church of Buffalo at One Symphony Circle, Buffalo, NY 14201. Please RSVP to attend either Information Session to [brad@explorebuffalo.org](mailto:brad@explorebuffalo.org). Applications are available at <http://explorebuffalo.org/docent-training/>. **Applications are due by January 23, 2017.**

### Buffalo Heritage Carousel Receives Funding from KeyBank

The Buffalo Heritage Carousel project received a \$1.2 million New York state grant in October which required matching funds. KeyBank has matched the grant, and along with other donations brings the project's funding closer to its \$4.8 million dollar goal. The project entails a Canalside installation of a 1924 carousel crafted by Spillman Engineering in North Tonawanda. The carousel will undergo restoration and will use solar power for its operations. A Buffalo-based architectural firm, eco\_logic STUDIO, is designing the building to house the carousel and additional meeting and educational space. For more info, visit <http://www.buffaloheritagecarousel.org/>

### Grain Alley Gala

Explore Buffalo's annual fundraiser is in the First Ward for 2017! Come see what the excitement is all about on **Saturday, January 21st** from 7-10 PM at the newly renovated historic Barrel Factory, and support the continued growth of our educational programs. Your ticket includes appetizers and two drink tickets and a great evening of live music in one of Buffalo's newest entertainment destinations. Tours of Lakeward Distillery inside the Barrel Factory will be given throughout the evening. The Grain Alley Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items. Many of these experiences are unavailable to the general public, including original artwork by some of Buffalo's best known artists, and opportunities to have lunch with some of Buffalo's movers and shakers! [PURCHASE TICKETS NOW](#)

## **Award-Winning Nature Photographs on Display at Beaver Meadow Audubon Center**

Visit the Beaver Meadow Audubon Center, located at 1610 Welch Rd, between **December 29, 2016 and January 19, 2017** to walk among the winning bird photographs from this year's National Audubon Photography Awards and learn more about your local birdlife. Selected from over 7,000 entries—submitted from all 50 states, DC, and Canada—the winning photos were published in the May-June 2016 issue of Audubon magazine. A panel of five judges had the daunting task of sifting through the stunning images and grading them based on technical quality, originality, and artistic merit. The exhibit is open during regular business hours, 9am-5pm Tuesday-Saturday, 1-5 Sundays. For more information, contact Beaver Meadow at 585-457-3228 or email [info@buffaloudubon.org](mailto:info@buffaloudubon.org)

## **Turn your old electronics into funds to support Camp Good Days & Special Times!**

Sunnking, in partnership with Camp Good Days and Special Times, has created a program entitled E-Scrap for Camp to turn old electronics into funds to help improve the quality of life for children, adults and families whose lives have been touched by cancer. Business and organizations in the Buffalo and Rochester area are encouraged to sign up to collect electronics from their employees, friends and family members for a one week period during the month of March 2017. Sunnking will provide boxes to collect electronics and will pick them up for free! For every pound of electronics that Sunnking recycles from your organization, a portion of the proceeds will be donated to Camp Good Days to fund future programs. Please note: This event is for employees, friends, and family members only. Please do not hold open collections for the public. **Deadline to sign up is January 27.** [Register.](#)

## **Get a Clue at the Science Museum**

The Buffalo Science Museum's murder-mystery event offering life-size board game fun for adults is back! Was it Lilian Fairchild in Rethink Extinct with the mastodon femur? Or was it Chauncey Hamlin in Explore YOU with the microscope? On **Friday, January 27** from 6-9pm, we will once again turn our science studios into a life-sized board game. Tickets include the murder-mystery game (you will be part of a team), a cash bar (beer and wine), food for sale, and access to all of the Museum's permanent exhibits and galleries including GUITAR: The Instrument That Rocked The World presented by M&T Bank, opening January 21 for a limited time only! Adults 21 and over only. Tickets to Get a Clue are \$25 for non-members and \$15 for BMS members. Limit 2 member discounts per order. Only 250 tickets available! [Register](#)

## **SPCA 150<sup>th</sup> Anniversary Gala**

The SPCA Serving Erie County is proud and excited to celebrate 150 years of compassion for all creatures. On **Saturday, January 28, 2017**, we will be hosting a gala to commemorate this milestone at Hotel @ The Lafayette. Guests will enjoy a special presentation from our Executive Director, Gary Willoughby, delicious hors d'oeuvres, premium open bar, a three-course seated dinner, Mike Randall as our emcee, and entertainment by Mr. Ken Kaufman. To help us continue serving the community with our myriad of programs and services, the evening will also include various auctions throughout the evening. Reservations are \$150 per person. For more information or to make your reservation, please contact Phil Weiss at 716.629.3506 or [phillipw@spcaec.com](mailto:phillipw@spcaec.com).

## **Buffalo Green Code Approved**

The Buffalo Green Code, arguably the largest planning initiative ever undertaken by the City of Buffalo, was originally announced by Mayor Brown on Earth Day of 2010. The initiative includes several interrelated planning efforts including the Unified Development Ordinance (UDO). Buffalo's Common Council adopted the Buffalo Green Code UDO, four Brownfield Opportunity Areas, and the Land Use Plan. Since initially receiving these documents in October 2015, the Council has held dozens of meetings, involving well over 1,000 participants, and yielding hundreds of comments from citizens. Mayor Brown will sign the UDO legislation into law on January 3, 2017. The UDO represents the city's first comprehensive zoning rewrite in 63 years and is designed to reinforce the City's walkable, mixed use neighborhoods and strengthen its economic centers. To learn more about the Buffalo Green Code, please visit [www.buffalogreencode.com](http://www.buffalogreencode.com).

## NOFA NY Winter Conference

The annual Northeast Organic Farming Association (NOFA) New York conference will be **January 20-22, 2017** in Saratoga Springs, New York. The conference features 17 tracks, a seed conference, a seed swap, and more. This event will also play host to the Northeast Organic Seed Conference: Owing Our Seed. Registration and schedule are available at [info](#).

## Certified Nursery and Landscape Professionals Workshop

The annual Certified Nursery and Landscape Professionals Workshop and tradeshow will be held **February 2 and 3** at Salvatore's Italian Gardens. The event sponsored by PLANT WNY Foundation, The Professional Landscape & Nursery Trades will feature keynote speaker - Andrew Keys. Andrew is an artist, writer, trained organic land care professional and lifelong gardener. He is author of "Why Grow That When You Can Grow This?: 255 Extraordinary Alternatives to Everyday Problem Plants and Growing the Northeast Garden". He has also produced podcasts for Fine Gardening and Horticulture magazines. For registration info, visit [www.plantwny.com](http://www.plantwny.com)

## EPA Seeks Nominations for Environmental Champions

Each year, the U.S. Environmental Protection Agency recognizes and honors environmental trailblazers – individuals, businesses and organizations that have contributed significantly to improving the environment and protecting public health. EPA is seeking nominations of environmental stewards within its region covering New York, who have gone above and beyond for environmental change in local communities. The Agency is accepting nominations for its Environmental Champion Awards until **February 3, 2017**. To nominate an individual or organization, please visit <http://www.epa.gov/aboutepa/environmental-champion-awards>.

## Environmental Educator Activity Exchange 2017

Environmental and outdoor educators of the Western Region are invited to "show and share" one of their favorite program activities with colleagues during this fun and FREE casual professional development event. Join others on **Wednesday, February 8** from 10am to 3:30pm to socialize with other educators (experienced, retired, and new to the field!) and swop strategies, stories, and your spirit for the outdoors and education! The event will be held at Tiff Nature Preserve, 1200 Fuhrmann Blvd. and sponsored by the New York State Outdoor Education Association [www.NYSOEA.org](http://www.NYSOEA.org). Please **pre-register by Wednesday, January 25** by contacting Kimberly at 716-825-6397 x200 or [kadriaansen@sciencebuff.org](mailto:kadriaansen@sciencebuff.org) and provide your name, title, organization, and phone number. Although it is preferred if participants share an activity and attend the whole workshop, neither are required. Please bring your own bag lunch if attending the whole event. Light refreshments will be offered.

## Marvin Lunenfeld Beautification Grant Applications

Garden Walk Buffalo has granted around \$100,000 since 2005 in Marvin Lunenfeld Beautification Grants for nearly 100 beautification projects to block clubs and community groups in the neighborhoods of Garden Walk Buffalo. Award amounts are based on the overall project cost, eligible projects are required to include matching funds from government, private contributions or volunteer sweat equity. Garden Walk invites you to complete an application for review for the 2017 grant cycle. Past projects have included streetside planters, hanging baskets, storm damage repair, historic garden restoration, annuals for planters, community gardens and much more. Applications can be [found here](#). Deadline is **February 21**.

## Polar Bites 2017

Buffalo's wintertime fundraiser for the Buffalo takes place on **February 23, 2017** from 6 p.m. until 9 p.m. at the Buffalo Niagara Convention Center. Featuring food samplings from some of Western New York's finest restaurants as well as a basket auction, silent auction, glacier gift wall and visits with some of the Zoo's ambassador animals. Tickets are \$30 presale and \$40 at the door and include admission, unlimited samplings, 2 drink tickets, free parking and more. A limited number of VIP tickets are also available for \$55 and include early admission and other fun Zoo goodies. [CLICK HERE for tickets](#).

## **Environmental Excellence Awards Program**

The Erie County Environmental Management Council Environmental Excellence Awards Program recognizes exceptional projects carried out by municipal and nonprofit organizations in Erie County that stand to have a significant and lasting positive impact on the natural environment. The program is sponsored by the Erie County Environmental Management Council (EMC) and is designed to showcase and promote projects that can be replicated in communities across Erie County and beyond. If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, we invite you to nominate your project for consideration in this year's Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Environmental Excellence Award nominations are due by **March 1, 2017**. Nominations are evaluated by a panel of reviewers from the ECEMC, with winners announced during Earth Week (April 2017). Please address any questions to Josh Wilson at [peter.wilson@erie.gov](mailto:peter.wilson@erie.gov). An application form will be posted soon to [award site](#).

## **DEC Accepting Applications for Urban Forestry Projects**

The New York State Department of Environmental Conservation (DEC) is accepting applications to fund urban forestry projects that will enhance landscapes and provide green spaces in urban areas across the state. Grants are available to municipalities, public benefit corporations, public authorities, school districts, soil and water conservation districts, community colleges, not-for-profit organizations, and Indian nations or tribes. Awards range from \$11,000 to \$75,000, depending on municipal population. Tree inventories and community forestry management plans have no match. Tree planting and maintenance projects have a 25 percent match. The Department of Environmental Conservation's Urban Forestry Program will host a webinar on **Jan. 5** at 2 p.m. to educate potential applicants on the grants process and answer questions. To register for this webinar go to the [2016 Urban and Community Forestry Grant Program Grants Gateway Application Training Webinar](#) web page. Applicants may apply for the grant in the Grants Gateway. Instructions and application are available on [Grants Gateway](#) website. The deadline for applications on the Grants Gateway is **March 1, 2017** at 3 p.m.

## **Beerology**

It's science on tap! Join the Buffalo Museum of Science on **Saturday, March 4, 2017** from 7 to 10pm to learn about the science of beer and have your science on tap! Beerology guests can sample beers and other brews from some of the best micro breweries in the area, snack on beer-friendly foods, and enjoy presentations on home brewing and a variety of beer-related topics by the Niagara Association of Homebrewers, Sultans of Swig, Buffalo Beer Goddesses, and more. Adults 21+ only. General Admission \$45 [BUY NOW!](#)

## **Western New York Land Conservancy to Restore the Niagara Gorge**

The Western New York Land Conservancy has just secured almost \$1 Million for the new "Restore the Gorge" project from the Niagara River Greenway Ecological Standing Committee to begin ecological restoration work in one of the most important natural places in the world – the Niagara Gorge. To fortify the gorge and restore its health, over the next three years the Land Conservancy plans to remove invasive plant species and improve wildlife habitat on 43 acres of land in the gorge and rim between the Railroad Bridge and the Discovery Center. Seeds of local grasses and wildflowers will be collected for planting at the grassland site. The Land Conservancy is also looking forward to working with the community to help guide the restoration and enhancement work. The public will have numerous opportunities to provide input on the project in the year ahead.

## **Outer Harbor Plans**

A [set of 13 videos and photo essays](#) documenting different sections of the Outer Harbor and exploring ideas for enhancing public access and natural preservation is now available. The videos and photo essays were produced by the Greening Buffalo class at the University at Buffalo School of Law.

## **Electronic Waste Assistance Grants for Municipalities**

Applications will be accepted during January 2017 for assistance with electronics waste disposal from any municipality that did not already apply during the October 2016 application period. The 2016/17 State budget included \$3 million from the Environmental Protection Fund to assist municipalities with recent unexpected costs of recycling electronic waste. These grants can reimburse up to 50% of actual expenses incurred during April 1, 2016 to March 31, 2017 for recycling of covered e-waste such as computers, computer peripherals, televisions, small scale servers, and small electronic equipment. For more information, or to download an E-Waste Assistance Grant application, visit the DEC website at <http://www.dec.ny.gov/chemical/107384.html>.

## **DEC Seeks Assistance to Locate Black Bear Dens**

State Department of Environmental Conservation (DEC) wildlife biologists are seeking the public's help to learn about new black bear dens throughout New York. As part of DEC's ongoing monitoring of black bears in New York, wildlife biologists periodically check on black bears during the winter den season. The bears may be fitted with a radio collar to help biologists track the bears' activities throughout the rest of the year and to relocate dens in subsequent years for monitoring cub production, condition, and survival. Bears may den in a rock crevice, tree cavity, or under heavy brush or fallen trees. Since female bears generally give birth in January or early February, a high-pitched squeal from the cubs may be audible if near a den. New York hikers and hunters typically cover countless miles of wooded terrain each year. DEC urges anyone who finds a bear den to not approach or disturb the den, but simply to note the location and move away from the den site. DEC requests that anyone locating a bear den contact their local DEC Wildlife office with specifics about the den location, including GPS coordinates if possible. A list of regional wildlife offices is available on DEC's website. <http://www.dec.ny.gov/>

## **Local Author Encourages Outdoor Exploration in his Book for Children**

Dave Bauer, former Alden High School teacher and active member in local environmental activities, published his first book for children this past year. "What's Under that Rock, Papa?" encourages outdoor discovery and fun that can be had in one's own backyard. The book features beautiful illustrations and was inspired by Bauer's relationship with his own grandchildren who serve as guides through the book. You can listen to Dave's Earth Day interview on WKBW to learn more about the book at <http://whatsunderthatrockpapa.com/>.

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

NYSERDA recently developed and launched the [NY-Sun Solar Guidebook for Local Governments](#). NY-Sun designed the Solar Guidebook to help local governments prepare for and develop their local solar economies. The Guidebook includes updates to the NYS Unified Solar Permit and guidance on the New York State fire code, along with other practical information 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 can help with all types of questions relating to New York State's solar electric market. The PVTN has expertise on topics including solar photovoltaic engineering, code and inspection, solar policy and regulatory development, and stakeholder engagement. The PVTN offers in-person [trainings](#) for municipal officials statewide and a set of [online resources](#) about solar energy.

## **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 at <https://www.google.com/get/sunroof#p=0>.

## **Reuse Action Needs your Reusable Materials**

Have used furniture, cabinetry or building supplies? Don't send them to the landfill, donate them to Reuse Action. Check out our website at [www.reuseaction.com](http://www.reuseaction.com), call our store at 716-894-3366, or stop by 980 Northampton Street for a visit any Tuesday, Friday or Saturday from 9am-4pm. Profits from sales put people to work!

## Riverkeeper Announces “Water Academy”

Buffalo Niagara Riverkeeper’s Water Academy provides an experiential field course that will educate adults about local environmental issues through unique partnerships and service learning. Registration is open for this college-level course designed to introduce the community to environmental issues and proactive solutions currently being implemented in the Niagara River watershed. Class sessions will include an interactive snowshoe hike along the Scajaquada Creek, a focus on bioremediation and brownfield clean-up efforts, and demonstration projects highlighting living infrastructure solutions such as rain barrels and rain gardens. Enrolled students should contact ECC to register. ECC credits are transferable within the SUNY system. The course is also open to adults not currently enrolled in college. Water Academy will take place on Wednesday afternoons from **January 18th to May 10th, 2017**. Sessions will be held at the Buffalo Niagara Riverkeeper office (721 Main Street, Buffalo, NY 14203), the East Hill Foundation (17 Island Street, North Tonawanda, NY 14120), and various field locations. Tuition for noncollege credit students is \$150.00 for the full course. Online registration is available at [www.bnriverkeeper.org/wateracademy](http://www.bnriverkeeper.org/wateracademy). For more information about the course, please contact Robbyn Drake at (716) 852-7483 extension 12 and [rdrake@bnriverkeeper.org](mailto:rdrake@bnriverkeeper.org).

## Community Youth Fellowships

The Open Society Foundations’ Youth Exchange, in partnership with the Human Rights Initiative and the Open Places Initiative, seeks applicants for its Community Youth Fellowships. The fellowships come with an award of \$60,000 for full-time, 18-month projects (prorated for shorter projects). The fellowships will support dynamic activists aged 18–25 who want to implement a project of their own design that advances human rights in underserved communities. Human rights projects could include those relating to criminal justice, workers’ rights, employment, education, health, housing, or immigration, among other subject areas. Through these fellowships, the Open Society Foundations aim to provide young people at the early stage of their work with the support they need to develop great ideas that contribute to dismantling challenges in their communities and advancing the values of an open society. Applicants may employ, either alone or in combination, any number of strategies to achieve the goals and objectives set forth in their projects. These strategies include but are not limited to: grassroots organizing, public education, strategic communications, policy advocacy, and coalition building. Deadline: **January 10**. To apply, complete the form at [fellowship](http://fellowship).

## Wilderness and Remote First Aid Course

Paths, Peaks and Paddles is offering a “Wilderness and Remote First Aid” course. This course will prepare those who are “outdoors people” as well as Western New Yorkers coping with our weather emergencies. This is an American Red Cross Course and has a two year certification. This course is taught over four consecutive evenings from 6:00 PM to 10:00 PM. Your final training session is conducted in the outdoors with a 3 hour hands on practical and a 1 hour written test. Cost is \$135.00. Course is scheduled for Thursday evening's 2/2, 2/9, 2/16, 2/23/17. The final hands on practical scheduled at Saturday 4/8/17. The in-class sessions will be held at Paths, Peaks & Paddles 1000 Ellicott Creek Road Tonawanda, NY 14150. If you have any questions regarding the course feel free to contact us directly at 716-213-0350 or at [pppinfo@pathspeaks paddles.com](mailto:pppinfo@pathspeaks paddles.com).

## Kayak & Canoe Safety Rescue Clinic

Don't wait for the paddling season to begin and you think - "What do I do now?" Come join us for a 3 week class, and learn to save yourself or someone else. All equipment is provided all you need to bring is a swimsuit, towel, a lock for your locker and a positive mental attitude All instructors are New York State Licensed Guides. These sessions will be conducted Friday evenings from 7:00 PM to 9:00 PM. Classes will run: Friday 2/3, 2/10 & 2/17/17. Cost \$205.00. The class will be held at Mill Middle School, 505 Mill Street, Williamsville, NY 14221. Paths, Peaks & Paddles is teaming up with the Williamsville Community Education Programs to present this session. You do not have to be a member of the Williamsville to sign up. For your convenience there are several different options that you can choose so you can sign up. Sign up On Line at: <http://Williamsville.augusoft.net> or by phone at 716-626-8080. Feel free to contact us at 716-213-0350 if you have any questions regarding the sessions.

## **Wind and Solar Simulations for Global Availability**

Renewables.ninja allows you to run simulations of the hourly power output from wind and solar power plants located anywhere in the world. This tool will help make scientific-quality weather and energy data available to a wider community. Check it out at <https://www.renewables.ninja>

## **Final Guidance on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change**

Under NEPA, Federal agencies are required to consider and disclose the potential effects of their actions and decisions on the environment. In many cases, Federal actions have the potential to contribute to climate change by producing greenhouse gas emissions or alternatively, be affected by many of the impacts of a changing climate, such as rising sea levels, extreme weather, drought and wildfires. A final guidance provides a level of predictability and certainty by outlining how Federal agencies can describe these impacts by quantifying greenhouse gas emissions when conducting NEPA reviews. This increased predictability and certainty will allow decision makers and the public to more fully understand the potential climate impacts of all proposed Federal actions, and in turn, assist agencies in comparing alternatives and considering measures to mitigate the impacts of climate change. <https://www.whitehouse.gov/the-press-office/2016/08/02/fact-sheet>

## **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/>

## **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.com)

## **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](http://www.nysdec.gov). View video at <https://www.youtube.com/watch?v=AupnMjYaI0Q>

## **Public Comment Period for Draft MS4 Permit Extended**

DEC is extending the comment period for the draft renewal of the [SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems \(MS4\) \(GP-0-17-002\) and supporting documents](#) to close of business on **February 3, 2017**. Submit written comments to: Ethan Sullivan, NYSDEC, Division of Water, 625 Broadway - 4th Floor, Albany, NY 12233-3505 or by e-mail to [Stormwater\\_info@dec.ny.gov](mailto:Stormwater_info@dec.ny.gov). If submitting comments by e-mail, please include "Comments on the Draft Renewal of the 2017 MS4 GP" in the subject line.

## **Artificial Leaf Uses Sunlight to Make Drugs**

Researchers at the Eindhoven University of Technology in The Netherlands have found a way to combine a technology that concentrates sunlight, called a luminescent solar concentrator (LSC), with very thin micro channels through which liquid can be pumped. The result is a tiny leaf-shaped generator that focuses sunlight on chemicals flowing through tiny channels at high enough intensity to generate the necessary chemical reactions. This breakthrough could make tiny, on-demand chemical factories possible anywhere in the world. Instead of building large factories to create chemicals in volume and shipping the product, drugs could be made in the location they're needed most. Anyone could feed the right elements into the "leaf", expose it to sunlight and generate the chemical reaction that transforms those substances into the desired drug. To read the article by Christina Tynan-Wood in full, visit [leaffactory](#).

## **Change Food Video Library**

Change Food is pleased to announce the official launch of [The Change Food Video Library](#). The Library consists of a growing database of the best short-length videos on various topics in food and farming, including talks from Change Food, The Real Food Media Project, TED, TEDxManhattan and other TEDx events. The Library has also developed an online event guide to help anyone around the world organize and host their own video event, whether it be a lunch time video club or an all day extravaganza.

## **USDA Toolkit to Assess Economic Impact of Local Foods**

This new USDA toolkit will help communities and businesses evaluate the economic benefits of investing in local food systems. It was developed by the Agricultural Marketing Service (AMS) to help communities reliably evaluate the economic impact of investing in local and regional food systems. The Local Food System Toolkit provides detailed guidance in seven modules to measure and assess the expected economic impacts of local food investments. The toolkit can be downloaded as a PDF [here](#).

## **Clean Power for All**

Green for All along with a diverse coalition of organizations has assembled a series of toolkits that provide leaders with solutions to ensure equity in the Clean Power Plan implementation. The result from this collaboration is the [Clean Power For All Policy Innovation Center](#). This plan includes best practices and concrete policy options to use in convincing your state to achieve critical goals, such as: harnessing allowance values to help rebuild frontline communities and accelerate clean energy opportunities for families; creating policies to increase access to high quality jobs in clean energy by job seekers from frontline communities; providing investments for workers and the economic redevelopment of communities affected by the transition away from fossil fuels. To view the first edition of the toolkits, visit [thecleanpowerplan.com](http://thecleanpowerplan.com).

## **Clean Energy Communities in New York State**

Clean Energy Communities is a \$16-million initiative to help local governments across the state reduce energy consumption and drive clean energy use in their communities. Local governments that complete four out of ten identified High Impact Actions will earn the Clean Energy Community designation and access to grant funding to implement additional clean energy projects. To learn more, visit <http://nyscrda.ny.gov/cec>.

## **Join the Recycling Pledge**

Make the commitment to raise Buffalo's recycling rate from its current 26% to 34% (national average) or more. Interested in pledging? Please visit [www.buffalorecycles.org](http://www.buffalorecycles.org) for resources to help you recycle your materials. You may win the 34andMore T-Shirt too!

## **The U.S. Food Loss and Waste Challenge**

Businesses, organizations and schools are invited to join the U.S. Food Waste Challenge. To enter, complete the appropriate form below with information about the activities/objectives your organization will undertake in the next year to reduce, recover, and recycle food waste in the United States. [Form for K-12 schools](#) Or [Form for all others](#) , or, join via participation in the [EPA Food Recovery Challenge](#) and benefit from EPA's technical assistance to set specific quantitative food-waste goals and attain them!

### **Join Youth Service America (YSA)**

Does your organization work with and/or share a commitment to mentoring, engaging, or empowering young people? If so, we want YOU as a Community Partner! YSA's Community Partner Program is a coalition of organizations that share a vision of youth as leaders today and tomorrow. While some Community Partners may be an affiliate or chapter of a larger organization, like a local Girl Scout troop, most are medium to small organizations working directly with youth. We're looking for like-minded organizations that share a vision of youth as leaders to join YSA's Community Partner Program. Receive resources, tools, best practices, and networking opportunities to strengthen your organization's work and create quality programming opportunities for young people in your community. To learn more about the Community Partner Program and apply, visit [www.YSA.org/CommunityPartner](http://www.YSA.org/CommunityPartner) .

### **EPA Proposes Ban of TCE Under Chemical Reform Law**

The U.S. Environmental Protection Agency (EPA) is proposing to ban certain uses of the toxic chemical trichloroethylene (TCE) due to health risks when used as a degreaser and a spot removal agent in dry cleaning. EPA identified serious risks to workers and consumers associated with TCE uses in a 2014 assessment that concluded that the chemical can cause a range of adverse health effects, including cancer, development and neurotoxicological effects, and toxicity to the liver. Comments on the proposed rule must be received 60 days after date of publication in the Federal Register. The proposed rule and supporting documents will be available in the Federal Register docket at: <https://www.regulations.gov/> by searching for HQ-OPPT-2016-0163. Learn more: <https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/trichloroethylene-tce>.

### **\$3 Million Available to Municipalities for Zero-Emission Vehicles and Infrastructure**

The Municipal ZEV rebate program will be administered by DEC through the [New York State Grants Gateway](#). Municipalities will be eligible for reimbursement of up \$5,000 per vehicle for purchase or leasing of eligible clean vehicles, and up to \$250,000 per facility for installation of eligible Electric Vehicle Supply Equipment or hydrogen fuel cell infrastructure. DEC will accept applications for rebates on a first-come, first-served basis through March 31, 2017, or until the funds are exhausted. Applications will be evaluated according to the criteria outlined in the Request for Applications found in the Grants Gateway [Grant Opportunity Portal](#).

### **Oak Wilt Detected in Canandaigua**

The New York State Department of Environmental Conservation (DEC) announced today that oak wilt, a tree fungus that causes disease in oak trees, has been detected in Canandaigua, Ontario County. This is the third location in New York State where oak wilt has been confirmed and the second location discovered in 2016. Oak wilt is a serious tree disease in the eastern United States, killing thousands of oaks each year in forests, woodlots, and home landscapes. Oak wilt is caused by the fungus, *Ceratocystis fagacearum*, which grows in the water-conducting vessels of host trees, preventing water transport. As water movement within the tree is slowed, the leaves wilt and drop off, and eventually the tree dies. DEC asks the public to report any occurrences where an oak tree died over a short period of time, especially if it occurred between July and August, to the Forest Health Information Line toll-free at 1-866-640-0652. For more information about [oak wilt](#), please visit DEC's website.

## **New Farm Worker Protection Standard**

The federal Environmental Protection Agency (EPA) issued a new Worker Protection Standard (WPS) rule, which affects farms on which pesticides are used in the production of agricultural crops. A majority of the rule revisions will go into effect on January 2, 2017. Detailed information about these changes can be found on the EPA website at <https://www.epa.gov/pesticide-worker-safety/revisions-worker-protection-standard>.

## **Guide Helps Incorporate Biodiversity Practices on the Farm**

The Wild Farm Alliance has released [Biodiversity Conservation: An Organic Farmer's and Certifier's Guide](#). The Guide clarifies the National Organic Program's (NOP) new Natural Resources and Biodiversity Conservation Guidance (released January 2016). The Guide also will increase organic farmers' and certifiers' understanding of the myriad of benefits provided by biodiversity conservation.

## **New Pesticide Product Registration Database**

The NYSDEC Bureau of Pest Management is pleased to announce that the new pesticide product registration database is now "live". The web address is <http://www.dec.ny.gov/nyspad/>. When visiting the webpage, please select the Products icon on the right side of the page to perform product searches. This pesticide search database is replacing the Product, Ingredient, and Manufacturer System (PIMS) product database that has been hosted by Cornell University since its inception. The new search database includes many added features, including site and pest searches. Additionally, updates to the product data and labeling will be reflected instantaneously. Previously, product registration data was updated approximately every two weeks.

## **New Shoe from Artificial Spider Silk**

Adidas has used biomimicry to design a new shoe from artificial spider silk. The Futurecraft Biofabric, features an upper made from "Biosteel", a 100 percent biodegradable filament derived from the same proteins that spiders use to make their webs. The fibers are about 15 percent lighter than conventional synthetic materials while being stronger and more breathable. For more: <https://www.wired.com/2016/11/compost-adidas-spider-silk-shoe/>.

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

The 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. Most courses are six weeks long. 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. Courses include: Berry Production, Soil Health, Woodland Mushroom Cultivation and more. Check the listings at <http://www.nebeginningfarmers.org/online-courses/> for more information on a particular course and the instructors.

## **Pacific Institute for Climate Solutions Offers Online Climate Courses**

Climate Insights 101 is a short course series designed to provide users with an in-depth understanding of climate science and related issues. Climate Insights 101 is produced as a series of modules, each with several animated lessons. To learn more, visit: [courses](#).

## **New Federal Toolkit Provides Guidance for Citizen Science Programs**

The recent Open Science and Innovation Forum at the White House launched the release of the Federal Crowdsourcing and Citizen Science Toolkit. The Toolkit provides guidance for federal agencies to design, carry out, and manage citizen science projects. [Learn more about the new toolkit](#).

## **Environmental Working Groups Guide to Healthy Cleaning**

Environmental Working Group's Guide to Healthy Cleaning now 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 download their app.

### **Bird App Available**

Audubon has released an updated version of the [Audubon Bird Guide app](#) and it's now free to bird lovers nationwide. With 821 species profiles and 3200-plus world-renowned bird photos, Audubon's award-winning app instantly turns any mobile device into the most trusted field guide in North America. To download the Audubon Bird Guide, go to: [www.audubon.org/apps](http://www.audubon.org/apps). The free app also provides a great new way to engage more people in becoming active participants in conservation action. [Find a toolkit](#) of resources on Audubon Works to help you share the free app with your members and supporters. The toolkit includes tips and tricks for using the app, email and social copy and images, ecards, a poster, and a captivating video.

### **Connect Kids to Parks Transportation Grant Program**

Grants are available to K-12 classrooms in Title 1 schools across the state to connect New York public school children with nature and New York State history by providing reimbursement grants to public schools for visits to a New York State park, nature center or historic site, Department of Environmental Conservation (DEC) Environmental Education Center or Fish Hatchery or the SUNY ESF Adirondack Ecological Center in Newcomb. Classes may participate in special guided programs at some sites, or self-guided tours. Grants will reimburse bus costs, tolls, the fee for bus entry into the facility and any programs fees, up to \$750. [info here](#)

## **Teacher's Resources**

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

[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.

[NEEF Podcasts](#)-National Environmental Education Foundation has launched its inaugural podcast which looks to connect people to environmental knowledge and talking with educators in the field to learn what benefits they have seen in their EE activities.

[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 with solutions ranging from vertical farming to greywater recycling.

[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.

[Changing Circumstances: Looking at the Future of the Planet from Literacy through Photography](#) is a free curriculum for grades 5-8 that focuses on issues of global sustainability and humanity's changing relationship to the world around us, as well as the economic, social, and personal impacts of those changes. Image Galleries include Climate Change, Globalization of Natural Resources, and New Technology.

[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.

[Living Schoolyard Month DIY Lake Science App](#)-Investigate freshwater ecosystems where you live with this new DIY Lake Science App from UC Berkeley's Lawrence Hall of Science, funded by the National Science Foundation.

[Project Localize](#) is a customizable curriculum for students and teachers 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.

[Energy Research and Education Mapping Tool](#) is a free online mapping tool that allows users to map existing and potential energy resources in the 39 states in the eastern United States. Users can run site-suitability analyses for biomass, solar, water, wind, natural gas, geothermal, and nuclear power development, map existing energy resources and environmental characteristics that impact energy development, create a custom map of their region using an extensive database of mapping layers, and search over 2,000 related policies and incentives.

[Raptors in the City](#) is a real-time, inquiry-based science and technology program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the List of Endangered Species in 1999. The online portion of Raptors in the City 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 instructional use for all K-12 schools in the United States as part of the White House's ConnectED initiative. Resources to help schools get started with ArcGIS Online are available [here](#).

[PlanetExplore](#)-Find outdoor activities and events in your area through this portal to the outdoors designed to inspire and enable people of all ages to become regularly active outside, and to gain a connection to nature.

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.

[Birds Without Borders](#) involves kids in investigations using eBird and other datasets and culminates in their devising conservation initiatives based on themes in Partners in Flight's *Saving Our Shared Birds* report. Includes two free downloadable lessons, one on the ecological role of birds and the other on conservation planning.

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

[Condor Country](#) simulates what zookeepers and field biologists do to help save North America's largest bird. Players will have eggs to hatch, chicks to release into the wild, and a flock of condors to monitor for real-life health threats, including lead poisoning.

## Contests and Awards

[2017 Beauty in Our Backyard Gardening Art Competition](#)- offers artists several incentives for submitting their best garden-themed art. The competition," produced by the University Heights Arts Association (UHAA) will offer three cash prizes plus an exhibition of the top 25 finalists' work. First place winner's art will be used to create official poster of the Samuel P. Capen Garden Walk. Participants will also be eligible to include their work in the "Soil, Seeds & Secrets" inaugural garden art publication as well as other garden art publications produced by the UHAA. Deadline: **January 31, 2017**.

[Bioenergize Infographic Challenge](#) engages 9th–12th-grade high school teams to research one of five cross-curricular bioenergy topics and design infographics to share what they have learned through various social media channels. The purpose of the Challenge is to enhance energy literacy and foundational knowledge about bioenergy, as well as help students understand how they can play an important role in shaping America's energy future. Deadline **to register February 3, entries due by March 3**.

[World of 7 Billion Video Contest](#)- Create a short video – up to 60 seconds – about human population growth that highlights one of the following global challenges: Climate Change, Ocean Health, or Rapid Urbanization. Deadline: **February 23, 2017**.

[Presidential Innovation Award for Environmental Educators](#) recognizes outstanding K-12 teachers who use innovative approaches to environmental education and use the environment as a context for learning. Award winners receive up to \$2,500 to continue their professional development in environmental education. Additionally, the teacher's local education agency will receive up to \$2,500 to fund environmental educational activities and programs. Deadline: **March 1, 2017**.

[President's Environmental Youth Award](#) (PEYA) recognizes K-12 students and their efforts to protect the environment. The award promotes awareness of our nation's natural resources and encourages positive community involvement. Deadline: **March 1, 2017**.

[Sustainability Challenge Scholarship](#)- Applicant(s) are required to submit a proposal that presents an innovative sustainability initiative for the management of solid waste. The proposal should contain a description of the initiative, a feasibility analysis, an implementation plan for integrating the initiative into their community (college, dorm, town, county, etc.), and applicable references to support the information presented in the proposal. Deadline: **April 1, 2017**.

[Earth Day Poster Contest](#) for K-5 grades. Design a poster about your favorite way to keep the Earth a sparkling place to live, and you could be a winner! Deadline: **April 1, 2017**.

[2017 Ocean Awareness Student Contest](#) is for middle and high school students. The theme of the 2017 Contest is Ocean Pollution: Challenges & Solutions. Students can earn awards of up to \$1,500 for themselves and their schools. Deadline: **June 19, 2017**.

[2017 Marine Debris Creative Advocacy Competition](#)-Students are challenged to implement a real-world project in their school or community that uses the creative arts to educate others and inspire action that reduces or prevents marine debris. Students can participate as groups or individuals, and they can earn awards of up to \$5,000! Deadline: **June 19, 2017**.

## Grant and Scholarship Opportunities

[EPA Non-Construction Approaches to Reducing Greenhouse Gas Emissions through Energy Efficient Products and Practices Program](#) - State, local, and tribal governments eligible. Proposals must demonstrate the potential to create a sustainable change in the market for energy efficient products and behaviors. Applicants should address the following areas in their proposal: conducting technical research that identifies nationally significant efficiency opportunities in products, working closely with key market actors to exploit product efficiency opportunities, developing test methods for products such as electronics, and furthering consumer adoption of efficient products and practices through consumer education. Deadline: **January 5, 2017**.

[Annie's Sustainable Agriculture Scholarships](#)-Annie's scholarship program assists undergraduate and graduate students pursuing studies in sustainable and organic agriculture. This year, 15 winners will each be eligible to receive \$10,000. The program is open to full-time undergraduate and graduate students studying at an accredited two- or four-year college or graduate school in the United States for the 2017/2018 school year. Students must be focusing studies on sustainable agriculture. Deadline: **January 6, 2017**.

[Conservation Innovation Grants](#)-USDA is seeking new proposals for cutting-edge projects that will provide new conservation opportunities through its competitive Conservation Innovation Grants (CIG) program. Through USDA's Natural Resources Conservation Service (NRCS), the department will invest up to \$25 million for projects that spark the development and adoption of innovative conservation technologies and approaches in areas like conservation finance, data analytics, and precision conservation to benefit producers on private agricultural and forest lands. In 2017, program focus areas will include innovative approaches that benefit historically underserved and veteran farmers and ranchers, beginning farmers and ranchers, and those with limited resources. There is also a focus on demonstration, evaluation, and quantification of the effects of water management and soil health practices to minimize off-site impacts of natural resource challenges, such as excess sediment and nutrient runoff, and an emphasis on pay-for-success models that stimulate conservation adoption and achievement of measurable outcomes. Deadline: **January 9, 2017**.

[Community Youth Fellowships](#)-The Open Society Foundations' Youth Exchange, in partnership with the Human Rights Initiative and the Open Places Initiative, seeks applicants for its Community Youth Fellowships. The fellowships come with an award of \$60,000 for full-time, 18-month projects (prorated for part-time or 12-month projects). The Community Youth Fellowships will support dynamic activists aged 18–25 who want to implement a project of their own design that advances human rights in underserved communities. Human rights projects could include those relating to criminal justice, workers' rights, employment, education, health, housing, or immigration, among other subject areas. Deadline: **January 10**.

[NOAA/OAR/Ocean Acidification Program \(OAP\)](#) is soliciting proposals for collaborative projects of up to 2 years in duration that synthesize ocean acidification information at a regional scale (e.g. Large Marine Ecosystem, large estuary or collection of small estuaries, and state or collection of states in US waters) to determine where societal vulnerabilities to ocean acidification exist or are emerging, in order to provide actionable information for marine resource decision makers. Deadline: **January 13, 2017**.

[Community Forest and Open Space Conservation Program](#)- The U.S. Department of Agriculture, Forest Service, State and Private Forestry, Cooperative Forestry staff, requests applications for a competitive grant program whereby local governments, qualified nonprofit organizations, and Indian tribes are eligible to apply for grants to establish community forests through fee simple acquisition of private forest land from a willing seller. The purpose of the program is to establish community forests by protecting forest land from conversion to non-forest uses and provide community benefits such as sustainable forest management, environmental benefits including clean air, water, and wildlife habitat; benefits from forest-based educational programs; benefits from serving as models of effective forest stewardship; and recreational benefits secured with public access. Eligible lands for grants funded under this program are private forest that is at least five acres in size, suitable to sustain natural vegetation, and at least 75% forested. Applications are due by **January 13, 2017**.

[Great Lakes Restoration Initiative Grants](#) will provide funding for projects in the following categories: Great Lakes Taxonomy and Barcodes to Support Early Detection Monitoring, Invasive Species Control, Foundations for Invasive Species Collaborations, Phosphorus Risk Reduction Pilots in Western Lake Erie Agricultural Watersheds, Agricultural Watershed Management Implementation, Urban Watershed Management Implementation and Agricultural Incentive Program Effectiveness. Deadline: **January 13, 2017**.

[Ralph C. Wilson, Jr. Foundation Funds Grant Opportunity](#)-The Community Foundation for Greater Buffalo will begin accepting Letters of Intent (LOI) for projects in the following areas: caregiving, community assets, design and access, and youth sports. Deadline: **January 20, 2017**.

[Sea Grant Fellowship in Population and Ecosystem Dynamics](#) -This program awards at least two new PhD fellowships each year to students who are interested in careers related to the population dynamics of living marine resources and the development and implementation of quantitative methods for assessing their status. Fellows will work on thesis problems of public interest and relevance to National Marine Fisheries Service (NMFS). Apply by: **January 27, 2017**.

[Sea Grant Fellowships in Marine Resource Economics](#)-This program awards at least two new PhD fellowships each year to students who are interested in careers related to the population dynamics of living marine resources and the development and implementation of quantitative methods for assessing their status. Fellows will work on thesis problems of public interest and relevance to National Marine Fisheries Service (NMFS). Apply by: **January 27, 2017**.

[Funders' Network Partners for Places Program](#) - \$500,000 for State, local, and tribal governments to build partnerships between local government sustainability leaders and place-based foundations. The funding has six priority areas: making climate change preparation a factor for every government decision, pursuing deep greenhouse gas emissions reductions, integrating climate change preparation and greenhouse gas emissions reductions, incorporating sustainability and/or climate action into economic development initiatives, mobilizing resident and business action to advance sustainability and/or climate action, and undertaking comprehensive neighborhood sustainable development. The program also hopes to encourage a strong emphasis on projects that benefit and engage people of color, people with low incomes, and residents of immigrant and refugee communities in sustainability work in neighborhoods and city-wide. Deadline: **January 30, 2017**.

[Herb Society of America Research Grants](#) of \$5,000 for research of the horticultural, scientific, and/or social use of herbs throughout history. Research must define herb as historically useful for flavoring, medicine, ornament, economic, industrial, or cosmetic purposes. Eligible applicants may be students, professionals, or individuals. Deadline: **January 31, 2017**.

[EPA Environmental Justice Small Grants Program](#) provides financial assistance to community-based organizations, and local and tribal governments working on projects to address environmental and public health concerns. EPA awards grants that support activities designed to empower and educate affected communities and to identify ways to address environmental and public health concerns at the local level. Approximately 40 one-year projects will be awarded at up to \$30,000 each nationwide. All applicants are required to register and prequalify in the Grants Gateway before applying for a Community Impact Grant. **Deadline: January 31.**

[DEC Environmental Justice Community Impact Grants](#) – More than \$3 million will be distributed to communities around the state to work on projects that address environmental and public health concerns in environmental justice communities. Not-for-profit, community-based organizations are eligible to apply for Community Impact Grants. Applications Due: **January 31, 2017.**

[Marvin Aures/Bob Krantz Herpetological Grant](#) -awarded by The Western New York Herpetological Society annually to support non-profit herpetological – especially chelonian related – education, conservation and research efforts. A grant of up to \$750 will be awarded. Deadline: **January 31, 2017.**

[Five Star and Urban Waters Restoration Grant Program](#) seeks to develop nation-wide-community stewardship of local natural resources, preserving these resources for future generations and enhancing habitat for local wildlife. Projects seek to address water quality issues in priority watersheds, such as erosion due to unstable streambanks, pollution from stormwater runoff, and degraded shorelines caused by development. The program requires the establishment and/or enhancement of diverse partnerships and an education/outreach component that will help shape and sustain behavior to achieve conservation goals. Deadline: **January 31.**

[NEA Student Achievement Grants](#) and Learning and Leadership Grants. Applications reviewed **February 1, June 1, October 15.** Public school K-12 or College/University teachers or support staff. \$2,000 for individuals or \$5,000 for groups to improve the academic achievement of students in U.S. public schools and public higher education institutions in any subject area or for professional development for educators.

[American Honda Foundation](#) supports nonprofit organizations and educational institutions nationwide that address the areas of youth and scientific education. The Foundation's primary funding priority is youth education, specifically in the areas of science, technology, engineering, mathematics, the environment, job training, and literacy. Annual application deadlines: **February 1, May 1, August 1 and November 1.**

[EPA's People, Prosperity and the Planet Program](#) - unique college competition for designing solutions for a sustainable future. P3 offers students quality hands-on experience that brings their classroom learning to life. For the first phase of the competition, interdisciplinary student teams submit proposals to compete for a \$15,000 grant for project ideas addressing environmental solutions for a sustainable future. Winners showcase their research in April at the National Sustainable Design Expo as part of the competition for an additional grant of up to \$75,000 to apply their design to a real world application. Deadline: **February 3**

[HHS Impacts of Climate Change on Oceans and Great Lakes Program](#) - The U.S. Department of Health and Human Services (HHS) announced funding for multi-component projects that will investigate the impact of climate change on emerging public health threats associated with marine and Great Lakes Basin environments. The focus of the funding opportunity is to support research on the exposures, toxicities, and human health impacts that arise in these environments and how climate change is influencing these factors now and in the future. Eligible Entities: State, local, and tribal governments. Letter of Intent Due: **February 7, 2017**

[EPA Anticipating the Environmental Impacts and Behavioral Drivers of Deep Decarbonization Program](#) - for research that improves understanding of the public health and environmental impacts and behavioral drivers of significant changes in energy production and consumption, especially changes associated with reducing greenhouse gas emissions consistent with achieving international climate change goals. Applicants should address research areas such as life-cycle impacts of the decarbonization of electricity generation, the electrification of end uses, the adoption of low-carbon emitting, renewable fuels, and the adoption of energy efficiency measures. Deadline: **February 10, 2017.**

[DOE Scaling Up the Next Generation of Building Efficiency Packages Program](#) - to drive innovation in real building technology demonstrations while also fostering the collaboration of dynamic demonstration teams that include technology providers, energy organizations (states, local governments, or regional energy efficiency organizations), efficient building hubs (such as innovation or incubator hubs), utilities, and building energy professionals. Eligible Entities: State, local, and tribal governments. Applications Due: **February 10, 2017**.

[2018 Knauss Marine Policy Fellowship](#)-Applications are being accepted for the 2017 Knauss Marine Policy Fellowship Program from eligible students who have an interest in ocean, coastal and Great Lakes resources and in the national policy decisions affecting those resources. Location: Washington, D.C. Apply by: **February 10, 2017**

[2017 New York State Wetlands Forum Research Grant](#) -Applicants must be currently enrolled, and enrolled for the spring 2017 semester, as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university. The candidate must have at least cumulative 3.0 grade point average. Provide an original article describing your wetland related research. This article must be between 500 and 1,000 words, and should explain the nature, methodology and purpose of the research, as well as how the research pertains to wetland issues relevant to New York State. \$500 award. Deadline: **February 15**.

[2017-2018 Great Lakes Commission Sea Grant Fellowship](#)- The selected Fellow will work with members of the Great Lakes' science, policy, communication and education communities to advance the environmental quality and sustainable development goals of the Great Lakes states. The Fellow will contribute to and benefit from research coordination and policy analysis activities. The Fellow will be located at the Great Lakes Commission offices in Ann Arbor, Michigan. Apply by: **February 17, 2017**.

[FTA Zero Emission Research Opportunity \(ZERO\) Program](#) - Eligible applicants and recipients are limited to nonprofit organizations leading a consortium of entities, including state and local governments and at least one provider of public transportation. The Federal Transit Authority (FTA) is making available funding to facilitate the advancement, production, and deployment of zero-emission public transportation vehicle technology and related infrastructure. Examples include improving charging standards for battery-electric transit vehicles, improved passenger compartment heating systems, and expanding hydrogen infrastructure. Hybrid technology is considered zero emission technology for the purposes of this program if it can be shown to advance the pathway to improved vehicle electrification. Applications Due: **February 21, 2017**.

[N. G. Kaul Memorial Scholarship](#) will be offering up to \$5000 in scholarships 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 is **February 28, 2017**.

[\\$10,000 \(Major\) Environmental Career Scholarship Application](#)-for high school senior, NYS resident who is enrolled full-time in a B.S. or B.E. degree program with environmental emphasis. Deadline: **February 28, 2017**.

[\\$5,000 \(Major\) Nicholas J. Bartilucci Environmental Scholarship](#)- for qualifying high school senior, NYS resident who is enrolled full-time in a B.S. or B.E. degree program with emphasis on public service. Deadline is **February 28, 2017**.

[DEC Urban Forestry Grants](#) will enhance landscapes and provide green spaces in urban areas across New York. Grants are available to municipalities, public benefit corporations, public authorities, school districts, soil and water conservation districts, community colleges, not-for-profit organizations, and Indian nations or tribes. Awards range from \$11,000 to \$75,000, depending on municipal population. Tree inventories and community forestry management plans have no match. Tree planting and maintenance projects have a 25% match. Deadline: **March 1, 2017**.

[DOS Brownfield Opportunity Area Planning Grants](#) – municipalities, community based organizations and community boards can apply for \$2 million in planning grants through the NYS Department of State's (DOS) Brownfield Opportunity Area (BOA) program. These planning grants will assist communities that are currently in the BOA program in completing their revitalization strategies for economically distressed areas. Deadline: **March 1**.

[2017 CCE Erie County Master Gardener Scholarship](#)-for a Class of 2017 graduating senior residing in and attending an Erie County high school. Student must be accepted by an accredited NYS college to study horticulture, botany or a related field. A person may receive the scholarship only once. **Deadline: March 1, 2017.**

[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.**

[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.**

[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 from VolunTEEN Nation. 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.**

[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 through a range of social action activities, including community service projects, service-learning projects, and social ventures. 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.

## Employment and Internship Opportunities

[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.

[Buffalo First Paid Intern](#)-Buffalo First is looking for a 10 hour a week, paid intern to help market the organization by getting locally-owned businesses to sign up as members and take advantage of a newly created sustainable business guide and other associated benefits.

[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.

[Buffalo Niagara Riverkeeper Spring Internships](#)-Do you believe in our mission and want to apply your skills while gaining valuable experience? Applications for Spring 2017 Internship positions due by **January 2, 2017 or until filled**.

[Service Collaborative of Western New York Vista Positions](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility.

[Communications and Marketing Manager](#)-will coordinate all Buffalo Niagara Riverkeeper external communications, including website, media interactions, and public relations activities to consistently articulate the organizational mission, accomplishments, and priorities. The Communications and Marketing Manager will work to ensure that Riverkeeper maintains the organization's brand standards and follows branding guidelines. Deadline: **January 6, 2017**.

[Summer Nature Education Internship](#)-Jamestown Audubon Center. The Nature Center's internship program is funded in part by the Ruth Lundin Environmental Internship Endowment created by the Lenna and Johnson foundations and managed by the Chautauqua Region Community Foundation. Mid-may through August. Deadline: **March 1**.

## 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 Tift Nature Preserve (716) 896-5200 ext. 202 [dspiering@sciencebuff.org](mailto:dspiering@sciencebuff.org).

## Upcoming Community Activities:

### Saturday, December 31

**Christmas Bird Count: Hamburg-East Aurora**-Contact Compiler: Tom O'Donnell ([tmodonnell@roadrunner.com](mailto:tmodonnell@roadrunner.com) or [716-284-5569](tel:716-284-5569))

### Sunday, January 1

**First Day Hike**-10:00 AM - 02:00 PM at Allegany State Park, Red House Area. Reserve at (716) 354-9101 ext 236. This self-guided hike will take place in the Summit Area in the Red House side of the park. The off-trail hike, approximately 2 miles in length and easy to moderate in intensity, begins at the Summit Warming Hut, follows scenic ridge line to Stone Tower, then loops back to the Warming Hut. Interpretive points of interest can be found along the way. Come listen to birds, feel the warmth of the sun or the coldness of the snow. This 1st Day Hike will run from 10:00 a.m. to 2:00 p.m. Participants should begin the hike by stopping in the Summit Warming Hut to sign in and pick up a trail map. Be sure to dress in appropriate winter hiking apparel. Weather permitting, snowshoes and trekking poles are encouraged. After the hike, be sure to swing back in the warming hut for a New Year's Social with chili and warm beverages provided by the Friends of Allegany State Park.

**First Day Hike**- 11:00 AM - 12:30 PM at DeVeaux Woods State Park in Niagara Falls. Hike through an old growth woods to the Niagara Gorge Rim Trail to see the Whirlpool and rapids. To register call (716) 282-5154. *Registration:* Required.

**First Day Hike**-10:00 AM - 12:00 PM at Evangola State Park. From beach to forest, through campground and nature center you will see everything this park offers at an annual event that connects people to their parks. In the event of snow we will outfit everyone with snowshoes for trail walking! To register call (716) 549-1050. *Registration:* Required.

**First Day Hike**-2:00 PM - 03:00 PM at Fort Niagara State Park. Enjoy a walk along the Niagara River, see the War of 1812 cemetery, and view the lighthouse, fort (closed 1-1-16), and the site where POWs were held in WWII. Visit the Officers Club museum displays. To register call (716) 282-5154. *Registration:* Required

**First Day Hike**-11:00 AM - 01:00 PM at Knox Farm State Park. (716) 549-1050. Start your new year off right with an invigorating 2 mile hike through Knox Farm to visit the parks largest trees! Meet at visitors parking lot. Bring snowshoes, snow permitting. *Registration:* Required

**First Day Hike**-01:00 PM - 03:00 PM at Niagara Falls State Park. Join us for an afternoon stroll as we welcome the 1st day of the New Year at the falls! Stories will be told along the way in America's oldest state park! To register call (716) 282-5154. *Registration: Required.*

**Second Annual New Year's Day Hike for your Health** - 10 am Program Length: 1 hr. "In every walk with nature, one receives far more than he seeks."- John Muir. If you are looking to start the New Year off with a brain power boost, we have just the thing for you- hiking at Pfeiffer Nature Center! Hiking is a wonderful activity that is very easy to start as very little is needed in the way of equipment. Just bring along a pair of comfortable hiking shoes and we will provide the beautiful setting and companionship. The trek is not an interpretive hike so stops will not be made along the trails. Any sharing of information will occur as casual, friendly banter amongst the participants. 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. This hike will take place at the Lillibridge Preserve 1974 Lillibridge Rd., Portville. Pre-registration is not required. For more information contact Pfeiffer Nature Center Administration Office 716-933-0187.

### **Monday, January 2**

**Franklin Gulf County Park - Hike or Snowshoe**-10am. Foothills Trail Hiking Club. MEET: at the parking lot on Larkin Road at the border of Eden and North Collins. Directions: Take the Thruway to Exit 57. Turn left onto Camp Road. Turn right onto Route 62. In about 6 miles turn left onto Sandrock Road. In about 1.7 miles turn left onto Larkin Road. The parking lot will be on the right. Call 646-5034.

### **Tuesday, January 3**

**Buffalo Stands with Standing Rock**-6:30pm at Burning Books 420 Connecticut St., Buffalo. Meeting to discuss support for Standing Rock Tribe and its Allies fight to stop the oil pipeline Dakota Access.

### **Wednesday, January 4**

**GBNRTC-PCC Meeting**-9:30AM at NFTA Board Room, 181 Ellicott St., 14203. Public invited to discuss transportation issues. Monthly meeting locations rotate, so you can confirm at 856-2026.

**Buffalo Audubon Volunteer Day**- 9am – 2pm at Beaver Meadow Audubon Center ([map](#)). For all Audubon volunteers - even first timers! No need to register, but bring a lunch.

**Walk-in Wednesday: Fiber Arts** – 5:30pm at The Foundry. Free opportunity to learn from others and to work on your own fiber arts projects. Spinning, weaving, sewing...you name it! RSVP @ [http://www.thefoundrybuffalo.org/classes\\_events](http://www.thefoundrybuffalo.org/classes_events)

### **Thursday, January 5**

**After-School Escape**- 4:30 to 5:30 p.m. 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.

### **Friday, January 6**

**Buffalo Geological Society Meeting** - 7:30pm, features "Before the Flood" a contemporary film about climate change. This documentary reflects an incredible three-year journey that took Leonardo DiCaprio and director Fisher Stevens to every corner of the globe where they documented the devastating impacts of climate change and questioned humanity's ability to reverse what may be the most catastrophic problem mankind has ever faced. The running time for this movie is 96 minutes. Held at the Parkside Lutheran Church at Depew and Wallace Streets in Buffalo (use side entrance down ramp). Open to all.

### **Saturday, January 7**

**Horticulture II: Practical Principles of Pruning** – 11am to 1pm at Buffalo & Erie County Botanical Gardens. Join us for an entertaining garden education with David Clark, Horticulturist. David is becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate. Garden Members \$105 or \$22 per class, Non-Members \$135 or \$27 per class. Registration required at <http://www.buffalogardens.com/collections/adults/products/horticulture-ii-fall-2016-semester>

**Western NY Hosta Society Breakfast**- 10 a.m. on the first Saturday of the month through April at the Forestview Restaurant, 4781 Transit Rd., Depew. This a social get-together. You pay for your own breakfast. Attendees are asked to bring to the table something that they can pass around and talk about. It can be a plant, a seedling, a catalogue, a magazine, a book, a favorite garden tool, a new deer repellent or anything to get folks talking. You must RSVP before 5 p.m. on the previous Friday so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or [H8staman@aol.com](mailto:H8staman@aol.com).

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

**Winter Tree ID Hike**- 2pm to 4pm. 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. This free hike will be guided by Erin Redding, an environmental scientist with Gomez and Sullivan Engineers. [register](#)

**City of Buffalo Recycling Event**-9am to 2pm at Engineering Garage, 1120 Seneca St., Buffalo 14210. Visit [www.buffalorecycles.org](http://www.buffalorecycles.org) for full list. Accepting electronics, Christmas trees, lights, Styrofoam and textiles/clothing.

**Unity Island Birding**-9am – 11am at Unity Island, Buffalo, NY ([map](#)). The Niagara River is a Globally Important Bird Area and is the winter home for thousands of Ducks and Gulls. You never know what you will find at one of winter's best birding hot-spots! Meet at the parking lot at the north end of Unity Island. Pre-registration is required. Please call 585-457-3228 to register. Binoculars are available. Donations.

**Boy Scout Photography Merit Badge at Beaver Meadow**-10am – 3pm at Beaver Meadow Audubon Center ([map](#)). All things photography! Digital versus film, depth of field, f-stop, focus, shutter speed, stop action, composition, etc. Take better pictures as you understand how your camera works & enjoy photography more! Bring a digital camera, media card (SD Card, etc.), cord for picture transfer and your manual. Pre-requisite is 4a. Pre-registration is required. Please call 585-457-3228 to register. \$12 per scout.

**Little Tykes Mini Nature Camp**-9:30am to 11:30am at Tiffit Nature Preserve. Enjoy a morning of fun and exploration at Tiffit Nature Preserve! Nature story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Pre-registration required for ages 3-5. \$8 per child with adult, \$4 additional child with same adult. BMS Members save 10%. Register at <https://13520.blackbaudhosting.com/13520/Little-Tykes-Mini-Nature-Camp-07Jan2017>

**Beneficial Insects & Pollinators Workshop**-Free at Urban Roots, 2pm with David Clark. You will need to register for classes as space is limited. Please email us at [http://info@urbanroots.org](mailto:info@urbanroots.org) or call the store @ 716-362-8982 to register.

**New Year Ski and Snowshoe Tour**- 2pm – 4pm at Dobbins Woods on Bly Hill Road, Ashville, NY ([map](#)). Dobbins Woods is a Chautauqua Watershed Conservancy preserve located on Bly Hill Road in Ashville, NY. Skiers and snowshoers are welcome to bring their equipment of choice to explore the loop trail at Dobbins Woods. The tour will last approximately an hour. Afterward, all are invited to join CWC staff for food and drink at Southern Tier Brewery.

**Winter Trails Event**- Sponsored by Paths, Peaks and Paddles at Ellicott Creek Park from 10:00am to 3:00pm. We will be located next to the sledding hill in the park. 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. You can check out the Winter Feels Good Website at <http://www.wintertrails.org/wintertrails.aspx>. We will have available for sale hot drinks to include hot chocolate and the introduction to Russian Tea.

**Hemlock Woolly Adelgid Survey**- Dobbin's Woods Preserve at 9:30am. Join us Saturday morning for our first survey of the season. We will be surveying the Chautauqua Watershed Conservancy's Dobbin's Woods Preserve located on Bly Hill Road in the town of Ashville. We will meet at 9:30am in the preserve parking lot. Visit <http://chautauquawatershed.org/index.php/preserves/our-preserves> for directions.

### **Sunday, January 8**

**Fix a Bicycle Flat Class**- GObike Buffalo Community Workshop at 6 pm. RSVP to Stacy at [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org). \$10. Space limited.

**Snowshoe Walk at Knox Farm State Park**-1– 3pm at Knox Farm State Park, 437 Buffalo Rd, East Aurora, 14052. Join Buffalo Audubon for a healthy walk around Knox Farm State Park. Bring your own snowshoes or rent them from us! This is a snow dependent program. Pre-registration required by Saturday, January 7th. Space is limited. Please call 585-457-3228 to register. Please wear sturdy winter boots. Donations. \$3 for snowshoe rental. Meet at the Knox Farm Visitor Center parking lot on Buffalo Road.

### **Monday, January 9**

**Sierra Club Energy Committee Meeting**- 6:00– 7:30 pm at UU Church 695 Elmwood Ave. 2nd floor, Use side garden entrance. All welcome as we work for renewable energy solutions to climate change.

### **Tuesday, January 10**

**Kenmore Garden Club Meeting**-10a.m. at Kenmore United Methodist Church, 32 Landers Rd., Kenmore. Lyn Chimera, a Cornell University-affiliated Master Gardener and garden writer, will teach how to plant and care for containers, recommend plant choices, and provide a PowerPoint presentation of creative ideas for containers. The talk and meeting are free and open to the public.

**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>

**"Plants of the Bible"**-Niagara Frontier Botanical Society meeting and talk. 7:30pm – 9:30pm at Harlem Road Community Center, 4225 Harlem Road, Amherst, NY, United States ([map](#)). Barbara Blackburn will present a program on plants of the Bible, a topic derived from her love of herbs and cooking. Barbara is a member of the Herb Society of America. As a writer, she has been the "Kitchen Wizard" for Metro Community News and a restaurant reviewer for WNY Family Magazine. Free and open to the public.

**Participatory Budgeting Buffalo Niagara District General Assembly**- 5– 7pm at 280 Porter Ave, Buffalo, 14201, ([map](#)). This year residents of the Niagara District are deciding how to spend \$10,000 for community projects! Do you have a great idea for the District? Come to our first General Assembly for PB Cycle 2 and learn how to turn that idea into a reality. General Assemblies are a space for residents to brainstorm ideas for community projects and learn more about how participatory budgeting works.

**Erosion and Sediment Control Workshops**-4 hr training for Construction Site Contractors and Operators at the Erie County Emergency Services Training Facility in Cheektowaga. Registration is \$95.00/attendee and includes refreshments and all training materials. Attendees must pre-register by contacting Don Stribick at (716) 652-8480. Hosted by Erie County Soil and Water Conservation District and WNY Stormwater Coalition. **8am to 1pm, register by January 4.** For more trainings and additional info at [www.dec.ny.gov/chemical/8699.html](http://www.dec.ny.gov/chemical/8699.html).

**Full Moon/Snowshoe Hike**-Come out and join us for a "Full/Moon" snowshoe hike out at Bond Lake. If there is no snow we will still hike and explore the trails. Meet in the back parking lot out at Bond Lake at 6:00PM Sharp! Dress appropriately for the weather. Bring water with you. There is no cost if you have your own snowshoes & poles. If you do not have snowshoes contact us for rentals. Snowshoe rental with poles is \$15.00 pp. If there is no snow we will still hike and there won't be a charge. But be aware that the trails may be muddy. If you have never been on snow shoes this is the time to come out and try it. This is a great evening adventure with plenty of guidance from Guides and Instructors. Instructors and NYS Licensed Guides will accompany you. For info call 716-213-0350 or [pppinfo@pathspeakspaddles.com](mailto:pppinfo@pathspeakspaddles.com).

**ADK General Meeting and Talk**-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 - 7:15pm: Education Workshop - WINTER SKI FORUM-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 get some insights on back country skiing too! We will also review equipment needs, and how to get started. If you are experienced, please come with recommendations. If you are a newbie, please join us so you can learn how to have fun on snowy trails. We promise to end on time for the pre meeting social hour! 7:00 - 7:30pm Happy Half Hour, 7:30pm: General Meeting and Presentation - GERRY RISING, Nature Watch Buffalo News Columnist. Our members will be treated to readings from his new book "Birds and Birdwatchers" detailing how he began his birdwatchings as early as a teenager.

### Wednesday, January 11

**Buffalo Audubon Volunteer Day**- 9am – 2pm at Beaver Meadow Audubon Center ([map](#)). For all Audubon volunteers - even first timers! No need to register, but bring a lunch.

**Nature Exploration Hike with the Executive Director**- 1:00pm – 2:30pm at Beaver Meadow Audubon Center ([map](#)). Join Executive Director Loren Smith for an exploration of the habitats and wildlife of Beaver Meadow. Tune your senses to Nature and discover new ways to experience the outdoors of Western New York. We'll begin and end around a campfire near the Center. Please join us! Pre-registration is required. Please call 585-457-3228 to register. Donations.

**Nature of Nature Homeschool Series**-12:30pm - 02:30pm, Wednesdays: January 11, 18, 25 & February 1 at Tiff Nature Preserve. **Registration deadline January 9.** We may not always realize what an inspiration nature is, but from Velcro to sonar, we have "copied" nature. We may even find out own "inventions" as we explore what has been accomplished through hands-on activities, experiments, and guided trail hikes. Pre-registration and pre-payment required; grades 2-5. \$100 Non-Members, \$80 BMS Members [register](#)

**Buffalo Ornithological Society Meeting "Rarity Roundup!"**-Buffalo Museum of Science ([map](#)) at 7PM in the Cummings Room of the Buffalo Museum of Science. A slideshow of photos and stories will be presented by BOS members that will include some of the rarities seen in the BOS study area in 2016! If you have photos and stories of any rarities you saw in 2016, please email the photo(s) to Sue Barth at: [suebarth@verizon.net](mailto:suebarth@verizon.net) or Alec Humann at: [alechumann@msn.com](mailto:alechumann@msn.com).

**Winter Raptor Survey Training**-@ 6PM. Please join RTPI and the RTPI Ornithological Club on Wednesday January 11th at 6pm for a Winter Raptor Training session. During the session Dr. Scott Stoleson, Research Wildlife Biologist for the U.S. Forest Service at the Northern Research Station, will deliver a presentation explaining how to identify winter raptors, as well as describing their ecology and common behaviors. Elyse Henshaw, RTPI Conservation Technician, will discuss the monitoring program and provide instructions on how anyone interested in getting involved in these surveys can contribute by making observations and reporting data. Contact [ehenshaw@rtpi.org](mailto:ehenshaw@rtpi.org) for info.

**Buffalo Talks: "Changes in Downtown Buffalo Policing"**-Working for Downtown talk series with guest Speaker: Chief Joseph Gramaglia,, Chief of Downtown Buffalo B-District. Chief Gramaglia will give us an update on how policing in downtown Buffalo has changed over the past 20 years as downtown has changed. As our downtown focus has shifted, and in light of the pressures on law enforcement across our country, is our local law enforcement doing anything differently? Buffalo & Erie County Public Library, and is free to the public but reserve a place. Attendees are welcome to bring their own lunch. [Reserve](#)

### Thursday, January 12

**After-School Escape**- 4:30 to 5:30 p.m. 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.

**Family Full Moon Snowshoe Walk**-6pm. Join us for a moon walk on snowshoes along the trails. Snowshoe rental \$5; \$2 for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Wolf Full Moon Walk & Campfire**-5:30pm – 7:30pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center, NY 14082, USA ([map](#)). Let's marvel at the Full Moon and learn about this moon's namesake around an old fashioned campfire at Beaver Meadow. The mysterious and elusive Wolf. Pre-registration is required. \$5 non-members; \$3 members. [www.buffaloudubon.org](http://www.buffaloudubon.org)

**Adventures in Buffalo History Speakers Series**- This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics.. 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 <http://explorebuffalo.org/speaker-series-2/> Talks of the day: Learning, Caring, & Curing: Medical History in Buffalo, Snake Oil Salesmen of WNY.

### Friday, January 13

**Full Wolf Moon Mosey**-06:00pm - 07:30pm. Come howl at the full moon at Tiff Nature Preserve! Enjoy the sights and sounds of a winter's night on a guided hike by moonlight. Ages: 18+, Cost: \$5 non-members, *BMS Members save 10%*! Showshoe rentals additional \$2 per person, weather permitting. <https://13520.blackbaudhosting.com/13520/Full-Wolf-Moon-Mosey-13Jan2017>

**Hemlock Woolly Adelgid Survey at Cassadaga Creek Preserve**-12:30pm. We will be surveying the Chautauqua Watershed Conservancy's Cassadaga Creek Preserve located on Bloomer Road the town of Stockton. We will meet at 12:00pm in the RTPI parking lot for those interested in carpooling, and will meet on site at 12:30pm to give instruction and then hike to the hemlock stand. Please visit <http://chautauquawatershed.org/index.php/preserves/our-preserves> for directions to the preserve.

**League of Women Voters Lunch and Issues program**- Peter Galie, one of the state's leading experts on the history of the New York State Constitution, will be discussing the Constitutional Convention. Registration is at 11:30 at the Scotch and Sirlain Restaurant at 3999 Maple Road, Amherst, NY 14226. **Please make your reservations by January 10<sup>th</sup>** either online at [lwvbn.org](http://lwvbn.org) or by calling 716-986-4898. The luncheon is \$20 and can be paid at the door by cash or check. You can also choose to attend the program only for no charge which will begin at approximately 1 pm, but call to reserve your seat

### Saturday, January 14

**Horticulture II: Introduction to Landscape Design** – 11am to 1pm at Buffalo & Erie County Botanical Gardens. Join us for an entertaining garden education with David Clark, Horticulturist. David is becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate. Garden Members \$105 or \$22 per class, Non-Members \$135 or \$27 per class. Registration required at <http://www.buffalogardens.com/collections/adults/products/horticulture-ii-fall-2016-semester>

**Snowshoeing 101**-10:30am. Learn the basics of snowshoeing before going on a guided snowshoe walk. Snowshoe rental \$5; \$2 for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**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. \$7 members, \$10 non-members. Register at <http://earthspiritedu.org/>

**Where the Wild Things Grow Eco-Kids Series**-11am to 12:30pm at DeVeaux Woods State Park. "How do animals stay warm?". Kids are full of questions! On the second Saturday of each month, the Eco-Kids series will include hands-on learning, a chance to get active with a game or hike, and a craft. All will center on the question of the month! Kids of ALL ages welcome. **Call (716) 282-5154 to register for any of these programs.**

**Snow Art for All!**- 10:00am – 11:30am at Beaver Meadow Audubon ([map](#)). Naturalist Mark Carra will help you create super fun sculptures in the snow while adding color to your artwork at Beaver Meadow! Dress for the weather. This is a snow dependent program. Pre-registration is required. Please call 585-457-3228 to register. \$5 non-members; \$3 members.

**Audubon Climate Watch**-1pm – 3pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center, NY 14082, USA ([map](#)). Audubon's Birds and Climate Report predicts that over half of North American bird species will lose more than 50% of their current climatic range by 2080. To test these predictions Audubon is piloting the new citizen science project Climate Watch. Come to Beaver Meadow and learn how you can help birds that face an uncertain future by participating in this important Citizen Science Project. Pre-registration is required. Please call 585-457-3228 to register. Donations.

**Winter Trails**-1-3pm. Join us for a snowshoe adventure on the trails at Artpark in Lewiston, NY. We'll also visit Bower, a multi-media installation joining glass with a series of interrelated architectural structures meant to promote awareness and interest in local bird species. Architect Joyce Hwang will join us to discuss the installation. Pre-registration is required by **Friday, January 13**. Please call 585-457-3228 to register. Space is limited. Please wear sturdy winter boots. Meet at parking lot B, enter at Portage Rd. Donations. Architect Joyce Hwang will join us to discuss the installation. Pre-registration is required by Friday, January 13. Please call 585-457-3228 to register. Space is limited. Please wear sturdy winter boots. Meet at parking lot B, enter at Portage Rd.

**Behind-the-Scenes Collections Tour (Adults Only): The Byron Dig**-1 to 3pm at Buffalo Science Museum. Did you know the Museum houses over 700,000 specimens in our collection, or that a significant part of the collection pertains to the Greater Niagara Region? 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.* The Byron Dig: Mastodons in our Backyard Seymour isn't the only Mastodon at the Buffalo Museum of Science! Learn more about the Museum's Mastodons excavated from the local Genesee County dig site and take a look at the specimens that teach us about life on the Niagara Frontier over 10,000 years ago. Ages: adults 18+, Cost: \$25 non-members, \$15 BMS members, Registration deadline: one week in advance, [register](#)

**Exploring Winter at Pfeiffer Nature Center**-10am to noon. Snowshoe hares have oversized feet which enable them to move quickly on top of the snow's surface. Come try out your snowshoeing skills on the white powder of the Lillibridge Preserve! Bring your own snowshoes or borrow a pair of traditional snowshoes from us when you visit Pfeiffer Nature Center's winter wonderland. This walk is for both the novice and advanced alike. If there is no snow, join us for a winter stroll among the trees in the old growth forest. [See Details](#)

## Sunday, January 15

**Community Bike Class: Women and Trans Open Shop**- 6:00 PM - 7:00 PM. We invite all women, trans, and gender non binary identifying individuals to the shop for a night of bicycle maintenance and repair. Staff and volunteers will be on hand to answer any questions, share skills, and discuss the awesomeness of all things bike related. Let us know you are coming! Send an email to our awesome shop manager Stacy Sauvageau at [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least 2 days ahead of time!

**Free Snowshoe Demo**- 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 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 will assist you with putting on your snowshoes, the use of poles and walking on the snow. You can 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. This FREE event will run from 10:00 am to 2:00 pm. 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).

## Monday, January 16

**The Secret Life of Owls**-3:30pm - 05:00pm at Tiff Nature Preserve. Whooshes through the Western New York night sky on silent wings? Join us for an indoor workshop on all things owl and a guided twilight hike in search of animals waking for the night. *Rain, snow, or shine.* Ages: 5+, Cost: \$5 non-members, *BMS Members save 10%!* Register [here](#)

**Winter Blast at MLK Jr. Park**-11am to 1pm. presented by BlueCross BlueShield of Western New York Join us on this Healthy Zone Day for winter activities and a skate drive! More details to come at [www.bfloparks.org](http://www.bfloparks.org). MLK Jr. Park, Humboldt Basin.

## Tuesday, January 17

**Little Tykes Mini Nature Camp**-9:30 to 11:30am. Enjoy a morning of fun and exploration at Tiff Nature Preserve! Nature story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Pre-registration required for ages 3-5. \$8 per child with adult, \$4 additional child with same adult. BMS Members save 10%. Register [here](#)

**Niagara River Greenway Commission Meetings**- 2pm Executive Committee, 3pm General Meeting at Beaver Island State Park, 2136 West Oakfield Rd., Grand Island.

## Wednesday, January 18

**Senior Stroll**-10:30am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**“How to talk about Controversial Issues: Evolution, Climate Change and Fracking”**- 7pm. By Don Duggan-Haas, Director of Teacher Programming, The Paleontological Research Institution and its Museum of the Earth & Cayuga Nature Center. An illustrated presentation in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. \$5/person, Penn Dixie Members: FREE. No preregistrations required.

**Citizens’ Regional Transit Annual Meeting**-5:30 to 7pm at United Way, 742 Delaware Ave., Buffalo. Free and open to the public. Come learn about local transportation issues.

## Thursday, January 19

**After-School Escape**- 4:30 to 5:30 p.m. 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.

**Snowshoe Jaunt**-5:00pm – 5:30pm at Bentley Sanctuary, Bentley Ave, Jamestown, NY 14701, USA ([map](#)). This event is part of a series of fast paced, after work walks hosted by CWC this winter. This jaunt will cover at least one mile with minimal stops, lasting approximately 20—30 minutes. This series is designed to provide an introduction to the hiking opportunities at Chautauqua Watershed Conservancy preserves.

**Preservation Green Lab**-6pm. PBN is excited to welcome Preservation Green Lab, a division of the National Trust for Historic Preservation at the Lafayette Lofts in the Elmwood Village (875 Elmwood Ave). Preservation Green Lab will be speaking about their groundbreaking study Older, Smaller, Better and how it relates to the valuable role that these types of buildings play in the development of cities like Buffalo. This event is FREE and open to the public- we invite all those interested in preservation to attend!

## Friday, January 20

**Transportation Working Group/Complete Streets Coalition Meeting**-10am. City Hall. Contact Justin Booth for more info at [justin@gobikebuffalo.org](mailto:justin@gobikebuffalo.org).

**Greater Niagara Outdoor and Fishing Expo**- 3 day event at The Conference and Event Center Niagara Falls. Daily schedule at <http://niagarafishingexpo.com/>.

## Saturday, January 21

**Grain Alley Gala**-Explore Buffalo's annual fundraiser from 7-10 PM at the newly renovated historic Barrel Factory. Your ticket includes appetizers and two drink tickets and a great evening of live music in one of Buffalo's newest entertainment destinations. Tours of Lakeward Distillery inside the Barrel Factory will be given throughout the evening. The Grain Alley Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items. General Admission: \$60, VIP Admission: \$90, Explorer Pass Holders: \$5 Discount, [PURCHASE TICKETS NOW](#)

**Cordage Workshop**-10am to noon with Wild Spirit Education at Delevan Scout Building, 10 Main St Delevan, 14042. Learn how to make rope out of plants. Register at [www.wildspirit.org/programregistration](http://www.wildspirit.org/programregistration)

**Environmental Advocacy Workshop**-Noon to 1pm with Wild Spirit Education at Delevan Scout Building 10 Main St Delevan NY 14042. Learn how to best communicate with your elected officials to make a difference for the planet. Donation suggested. Sign up at <http://www.meetup.com/Nature-in-WNY>

**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.

**Woods Walk: Winter Food for Wildlife**- 11am. Join a guided nature walk through the woods to find out what the animals are eating at this time of year. No registration required. Reinstein Woods Nature Preserve.

**Birding 101: Class #1**-2:30pm. Join us for a bird identification adventure. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Horticulture Classes at The Buffalo and Erie County Botanical Gardens**- 11 a.m. – 1 p.m. five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Cost for Botanical Gardens members for a full series of five classes is \$100 (\$120 nonmembers) and the cost for individual classes is \$22 (\$27 nonmembers). [register](#) Topic of the day-Houseplant Care and Cultivation.

**Junior Audubon Club: Birding at the Zoo**-10:30am – 12:00pm at The Buffalo Zoo, 300 Parkside Ave, Buffalo, NY 14214, ([map](#)). Join Naturalist Tom Kerr for our monthly Birding Adventure for kids ages 8-14! This month, we'll beat the cold and visit the Rainforest at the Buffalo Zoo for some tropical birdwatching! We'll use our binoculars to find birds and get to hear from one of the Keepers about the care these birds receive. Meet at Main Entrance. Binoculars are available. Pre-registration is required. Please call 585-457-3228 to register. Donations.

**Squirrel Appreciation Day**- 1pm – 3pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center, NY 14082, ([map](#)). Let's go nuts at Beaver Meadow and appreciate our backyard furry friends! Join us for squirrely activities, a craft, and an outdoor hike to track these acrobats of the forest. Participants will receive 20% off any squirrel related item in the gift shop. Pre-registration is required. Please call 585-457-3228 to register. \$5. All Ages Welcome.

**Tough Plants for Tough Spaces Workshop** -Free at Urban Roots, 2pm with David Clark. You will need to register for classes as space is limited. Please email us at [http://info@urbanroots.org](mailto:info@urbanroots.org) or call the store @ 716-362-8982 to register.

**Greater Niagara Outdoor and Fishing Expo**- 3 day event at The Conference and Event Center Niagara Falls. Daily schedule at <http://niagarafishingexpo.com/>.

**Hemlock Woolly Adelgid Survey at Elm Flats Preserve**-9:30am. We will be surveying the Chautauqua Watershed Conservancy's Elm Flats First Preserve located on Lawson Road in the town of Chautauqua. We will meet in front of the preserve to give instruction and then hike to the hemlock stand. Please visit <http://chautauquawatershed.org/index.php/preserves/> our-preserves for directions.

## Sunday, January 22

**Community Bike Class: Basic Wheel Maintenance-** 6:00 PM - 7:00 PM. We will cover hub overhauling and adjustment, wheel truing, and how to fix a broken spoke. Practice wheels will be available to work on but participants may also bring their own wheels. Please RSVP to Stacy at [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least 2 days prior to class. A \$10 donation is suggested for each class.

**Snowshoe Walk at Knox Farm State Park-** 1pm – 3pm at Knox Farm State Park, 437 Buffalo Rd, East Aurora, 14052 ([map](#)). Join Buffalo Audubon for a healthy walk around Knox Farm State Park. Bring your own snowshoes or rent them from us! This is a snow dependent program. Pre-registration required by January 21st. Space is limited. Please call 585-457-3228 to register. Please wear sturdy winter boots. Donations. \$3 for snowshoe rental. Meet at the Knox Farm Visitor Center parking lot on Buffalo Road.

**Greater Niagara Outdoor and Fishing Expo-** 3 day event at The Conference and Event Center Niagara Falls. Daily schedule at <http://niagarafishingexpo.com/>.

## Monday, January 23

**Canalside Curling-** Cost: \$15 per person for one hour (minimum of 4 people, max of 10 people), Includes: Instructor and all the equipment you will need (stones, grippers & sliders, brushes)  
For reservations, <https://us.bookingbug.com/home/w2691041>

## Tuesday, January 24

**Sierra Club Meeting-** 7 to 9pm in Room 227, Duns Scotus Hall, Daemen College, 4380 Main St., Amherst, 14226. All welcome.

**Lumagination Launch Party-**The launch party for the exhibit will be held 6 – 9 p.m. at the Buffalo and Erie County Botanical Gardens, 2655 South Park Avenue, Buffalo. Enjoy signature cocktails and delicious appetizers while we flip the switch on Lumagination 2017. Be the first to see the Botanical Gardens lit up with amazing light displays, creative designs and interactive features. Purchase tickets [online](#) or call 827-1584 ext. 220. Admission for members is \$35, and \$40 for the general public (\$45 after January 19).

## Wednesday, January 25

**West Valley Citizen Task Force Meeting-** 6:30 – 9:00 p.m. at Ashford Office Complex, 9030 Route 219, West Valley, NY. Verify meeting and agenda at <http://westvalleyctf.org/meeting-information/>

**She Sells Sea Shells: The Story of Mary Anning's Fossils-**6 to 7:30pmm at One Museum Court - The Buffalo History Museum, Buffalo, NY. Dr. Phil Stokes, Director of Penn Dixie will speak on the life of Mary Anning. First 50 attendees will get a fossil! Members free, museum admission.

## Thursday, January 26

**After-School Escape-** 4:30 to 5:30 p.m. 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.

**Adventures in Buffalo History Speakers Series-** 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 <http://explorebuffalo.org/speaker-series-2/> Talks of the day: Learning, Caring, & Curing: Medical History in Buffalo, Snake Oil Salesmen of WNY.

**Adventures in Buffalo History Speakers Series-** This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. 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 <http://explorebuffalo.org/speaker-series-2/> Talks of the day: Trains Yesterday, Today and Tomorrow, History of Buffalo Aviation: People, Places & Planes.

## Friday, January 27

**Hemlock Woolly Adelgid Survey at South Valley State Forest**-12:30pm. As a part of the Hemlock Conservation of the High Allegheny Plateau Project, led by the U.S. Forest Service and The Nature Conservancy, RTPI and JCC adopted South Valley State Forest to survey and contribute information to these agencies as well as the Department of Environmental Conservation. Join us as we survey two sites on the state forest lands. We will meet promptly at 11:45am in the RTPI parking lot for those interested in carpooling, and will meet on site at 12:30pm. For those meeting on site, please meet near the bridge on Sawmill Run Road approx. 42°02.511'N 079°00.580'W. For more information and directions to South Valley State Forest please visit: <http://www.dec.ny.gov/lands/68293.html>

## Saturday, January 28

**White-Tail Winter Walk**-10:30am. Enjoy a walk and discussion on the trails as we search for our resident deer. For adults and children ages 12 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**150th SPCA Anniversary Gala**-To celebrate 150 years of compassion, the SPCA will be hosting a Gala at the Hotel @ The Lafayette from 6-10pm. The evening will feature a three-course meal, music, a silent auction, and more. Tickets on sale at <http://www.yourspca.org/gala>

**Winter Trails Event**-Paths, Peaks and Paddles is once again organizing the FREE Winter Feels Good/Winter Trails event at Ellicott Creek Park from 10:00am to 3:00pm. 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. Please check out Face Book Page and Photo Gallery for past snowshoeing photographs. We will have available for sale hot drinks to include hot chocolate and the introduction to Russian Tea. Dress for the weather! Info at [christine@pathspeakspaddles.com](mailto:christine@pathspeakspaddles.com)

**Snowshoe Adventure Hike 1**-10:00am-12:30pm at Amherst State Park. A moderately challenging hike through open fields and along Ellicott Creek with a focus on snowshoeing skills and general Winter ecology. Snowshoes will be provided. Fees: Members: \$7 | Non-Members: \$10.  
<http://earthspiritedu.org/events.html>

**Rise and Fall of the Honeymoon Bridge**-2 to 4pm at [Niagara Falls State Park](#). Learn about the former Upper Steel Arch Bridge, and some of the stories surrounding it, followed by a short walk to the site along the gorge rim. *To register, call (716) 282-5154.*

**Slow Roll Buffalo's Snow Rolls** - meet at noon, roll at 12:30pm sharp, with food trucks onsite after each ride. [Buffalo Distilling Co.](#), 860 Seneca St. - part of 3rd annual Larkinville Ice Fest

**Horticulture Classes at The Buffalo and Erie County Botanical Gardens**- 11 a.m. – 1 p.m. five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Cost for Botanical Gardens members for a full series of five classes is \$100 (\$120 nonmembers) and the cost for individual classes is \$22 (\$27 nonmembers). [register](#) Topic of the day-Rain Gardens.

**Night in the Wild Sleepover at Tift Nature Preserve**-5pm to 9am. Celebrate winter with an indoor family sleepover! Guests will enjoy indoor wilderness survival activities, live animals, a movie and popcorn, crafts, games, and a guided night hike in the wilderness. Pizza, snacks, and hot chocolate will be offered in the evening, plus a continental breakfast in the morning will be served. **Ages:** families with children ages 5+, **Cost:** \$27 per person, *BMS Members save 10%!.* **Registration:** Pre-registration and pre-payment required **by January 25.** [register](#)

**Niagara Rapids Birding**-10am – 12pm at Goat Island, Niagara Falls, NY 14303, USA ([map](#)). Join Naturalist Tom Kerr for a morning birding walk at one of the best hot-spots to see winter gulls and waterfowl in North America. Iceland and Glaucous Gulls, as well as Harlequin Ducks have been seen regularly the past few years in the rapids above the Falls. Meet at Parking Lot #3. Pre-registration is required. Please call 585-457-3228 to register. Donations.

**Winter Trails Snowshoe Hike at Beaver Meadow**-10am – 12pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center, NY 14082, USA ([map](#)). If you are new to winter sports, snowshoeing is fun for all ages and is a great way to get some exercise. Naturalist Mark Carra will take you for a snowshoe hike exploring the old woods. Program is snow dependent. Pre-registration is required. Please call 585-457-3228 to register. Please wear sturdy winter boots. Donations.

**Herbs Workshop** -Free at Urban Roots, 2pm with David Clark. You will need to register for classes as space is limited. Please email us at [http://info@urbanroots.org](mailto:info@urbanroots.org) or call the store @ 716-362-8982 to register.

### Sunday, January 29

**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 for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Maintaining your Bike Through the Fall and Winter Workshop**- 6:00 PM - 7:00 PM. Join us at our community workshop. Bikes ridden through rain, salt, snow, and sludge need a little extra attention. We will show you how to keep your ride running in tip top shape. We will also share tips for winter riding and choosing a winter bike. Please RSVP to Stacy Sauvageau at [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least 2 days prior to class. A \$10 donation is suggested for each class.

**Snowshoe Hike at the Erie County Forest**-Join Paths, Peaks and Paddles for a snowshoe hike at one of our favorite spots! We are going to venture out and we'd like you to join us at 11:00 am at the: Erie County Forest, Genesee Road in Sardinia, NY. \$25.00 Includes rental of Snowshoes, Poles, Snacks, Hot Drinks & Lots of FUN in the Woods. If you have snowshoes the cost is \$15.00 to include your Snacks, Hot Drinks & Lots of Fun in the Woods. Reservations are a must for anyone who wishes to attend. You can to reserve your spot at the store or online at: <http://pathspeakspaddles.com/store/index.php?cPath=50>

**Winterfest 2017**-10:00 am - 3:00 pm at Chestnut Ridge Park Casino, 6121 Chestnut Ridge Road Orchard Park, NY 14127. <http://chestnutridgeconservancy.org/event/winterfest-2017/>

### Monday, January 30

**Clean Air Coalition Member Monday**- 4 to 6pm. Clean Air Headquarters - 52 Linwood Ave. ([map](#)). Have a few hours the last Monday of the month? 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.

### Tuesday, January 31

**Canalside Curling**- Cost: \$15 per person for one hour (minimum of 4 people, max of 10 people), Includes: Instructor and all the equipment you will need (stones, grippers & sliders, brushes)  
For reservations, <https://us.bookingbug.com/home/w2691041>

### Wednesday, February 1

**GBNRTC-PCC Meeting**-9:30AM at Buffalo City Hall. Public invited to discuss transportation issues. Monthly meeting locations rotate, so you can confirm at 856-2026.

**Using Social Media on your Farm**-Cornell Cooperative Extension of Chautauqua County workshop from 6 to 8 p.m. at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown. **Pre-registration is required at least three days prior to the workshop** in order to give staff adequate time to prepare workshop materials. Registration is available [online](#). The cost to attend is \$5 per family.

## Thursday, February 2

**After-School Escape-** 4:30 to 5:30 p.m. 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.

**Certified Nursery and Landscape Professionals Workshop-**Two day conference, February 2 and 3 at Salvatore's Italian Gardens sponsored by PLANT WNY Foundation, The Professional Landscape & Nursery Trades We are pleased to announce our keynote speaker - Andrew Keys. Andrew is an artist, writer, trained organic land care professional and lifelong gardener. He is author of Why Grow That When You Can Grow This?: 255 Extraordinary Alternatives to Everyday Problem Plants and Growing the Northeast Garden. He has also produced podcasts for Fine Gardening and Horticulture magazines. For registration info, visit [www.plantwny.com](http://www.plantwny.com)

## Friday, February 3

**Certified Nursery and Landscape Professionals Workshop-**Two day conference, February 2 and 3 at Salvatore's Italian Gardens sponsored by PLANT WNY Foundation, The Professional Landscape & Nursery Trades We are pleased to announce our keynote speaker - Andrew Keys. Andrew is an artist, writer, trained organic land care professional and lifelong gardener. He is author of Why Grow That When You Can Grow This?: 255 Extraordinary Alternatives to Everyday Problem Plants and Growing the Northeast Garden. For registration info, visit [www.plantwny.com](http://www.plantwny.com)

## Saturday, February 4

**WNY Hosta Society Breakfast-** 10 a.m. on the first Saturday of the month through April at the Forestview Restaurant, 4781 Transit Rd., Depew. This is a social get-together. You pay for your own breakfast. Attendees are asked to bring to the table something that they can pass around and talk about. It can be a plant, a seedling, a catalogue, a magazine, a book, a favorite garden tool, a new deer repellent or anything to get folks talking. **You must RSVP before 5 p.m. on the previous Friday** so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or [H8staman@aol.com](mailto:H8staman@aol.com)

**Horticulture Classes at The Buffalo and Erie County Botanical Gardens-** 11 a.m. – 1 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Cost for Botanical Gardens members for a full series of five classes is \$100 (\$120 nonmembers) and the cost for individual classes is \$22 (\$27 nonmembers). [register](#) Topic of the day-All about Roses.

**Hemlock Woolly Adelgid Survey at North Harmony Forest-** 9:30am. Please join us as we survey North Harmony State Forest located outside of the village of Panama. We will meet on site at the Fred J. Cusimano Westside Overland Trail trailhead located on Route 474 at 9:30am to give instruction and hike to the hemlock stand along the overland and snowmobiling trails. In addition, an educational outreach event is in the works for this particular survey. Check site for updates. For more info and directions to North Harmony State Forest please visit <http://www.dec.ny.gov/lands/8268.html>

**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 for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

**Niagara's Ice Bridges-**10am to 11:30am at DeVeaux Woods State Park. This is the time of year when ice forms in the Niagara River. Join us for a presentation about this ice bridge that we see most winters, yet attracted people to experience it much differently in years gone by! **To register, call (716) 282-5154.**

**Snowshoeing Adventure-**10am to noon at Evangola State Park. Get out of your house and come explore nature's outdoor wonders! Learn about the history of the snowshoe, and then join us on a hike as we look for signs that animals have left behind, and the dens they depend on during our cold winter months. Snowshoes will be provided. **To register, call (716) 549-1050.**

**“So You Want to Start a Farm”**- Cornell Cooperative Extension of Chautauqua County workshop from 10 a.m. to 12 p.m. at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown. This workshop is for participants who have ever dreamed of having their own farming operation. Topics covered will be broad and include enterprise selection, insurance, marketing and resources for future exploration of owning your own farm business. The instructor for this workshop will be Katelyn Walley-Stoll, farm business management educator with Cornell Cooperative Extension of Chautauqua County. She is a graduate of Cornell University with a degree in animal science and ag business management and owns and operates a diversified livestock farm. The cost to attend is \$5 per family. **Pre-registration is required at least three days prior to the workshop.** Registration is available [online](#).

**Superb Owl Saturday!**- 3pm – 5pm at Beaver Meadow Audubon Center ([map](#)). Help pick the 2017 Superb Owl Champion during our celebration of Owls at Beaver Meadow! Discover more about Owls by collecting Super Owl Trading Cards, dissecting owl pellets, creating owl crafts, owl origami, and meeting live owls! We’ll end the day with a Superb Owl Prowl from 6-8 PM. Pizza will be available for sale for those who stay for both programs. Participants will receive 20% off any owl related item in the gift shop. Pre-registration is required. Please call 585-457-3228 to register. \$5 for activities. \$5 for Owl Prowl.

**Roses Workshop** -Free at Urban Roots, 2pm with David Clark. You will need to register for classes as space is limited. Please email us at <http://info@urbanroots.org> or call the store @ 716-362-8982 to register.

### **GROW WNY: Local Website for Everything Environmental**

GrowWNY (<http://growwny.org>) is a new hyper-local source of information about living green in Western New York. To showcase your local events or advertise a future event, be sure to submit to their online calendar.

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

- 1. Use your Amazon box as a Give Back box**-the online retailer has partnered with Give Back Box and will cover the cost of shipping donations to Goodwill. Other retailers are also participating, so check out the options to reuse your box and donate your goods at [Give Back Box website](#).
- 2. New Year’s invokes images of “new”, but consider reviving some of the old**- For tips on removing stains and refreshing cooking utensils, visit [revive](#).
- 3. Reuse and recycle your Tips for the Environment**-we are probably all using CFL bulbs, recycling regularly and engaging in lots of earth-friendly behaviors. If you have tips to share, please send them to me to include. I will be updating the archived list on our new website.

---

## **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 Riverkeeper**- <http://bnriverkeeper.org/get-involved/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.

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

#### **Additional calendars with local events-**

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com/Buffalo-Spree/Events/>

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

<http://www.metrowny.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](#)

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

Environmental Internships-<http://environmentalinterns.nceonline.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)

### **New York State Resources**

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

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

[www.aquariumofniagara.org](http://www.aquariumofniagara.org)  
[www.buffaloaudubon.org](http://www.buffaloaudubon.org)  
[www.buffalogardens.com](http://www.buffalogardens.com)  
[www.buffscience.org](http://www.buffscience.org)  
[www.tifft.org](http://www.tifft.org)  
[www.buffalozoo.org](http://www.buffalozoo.org)  
[www.penndixie.org](http://www.penndixie.org)

### **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**

<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>

## **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>  
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)  
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, 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, Radio Shack, 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- <http://www.dec.ny.gov/chemical/45083.html>

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

Pantyhose/tights- [NoNonsense.com/PantyhoseRecycling.aspx](http://NoNonsense.com/PantyhoseRecycling.aspx)

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. accepts clean, white Styrofoam at 2101 Kenmore Avenue, 14207. Please 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)  
Yoga mats- [RecycleYourMat.com](http://RecycleYourMat.com)

**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/>

**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	<a href="http://adk-nfc.org/">http://adk-nfc.org/</a>
Allegany Nature Pilgrimage	<a href="http://alleganynaturepilgrimage.com/">http://alleganynaturepilgrimage.com/</a>
Alliance for the Great Lakes	<a href="http://www.greatlakes.org">www.greatlakes.org</a>
American Planning Association-WNY Section/Upstate	<a href="http://www.wnyapa.com">www.wnyapa.com</a>
American Meteorological Society-WNY Chapter	<a href="http://www.facebook.com/amswnychapter">www.facebook.com/amswnychapter</a>
Amherst Greenways	<a href="http://Amherstgreenways.org">http://Amherstgreenways.org</a>
Amherst State Park Arboretum	<a href="http://www.amherststatepark.org/ASP/Welcome.html">http://www.amherststatepark.org/ASP/Welcome.html</a>
Animal Advocates of Western New York	<a href="http://www.animalswny.org/">http://www.animalswny.org/</a>
Aquarium of Niagara	<a href="http://www.aquariumofniagara.org">www.aquariumofniagara.org</a>
Artfarms	<a href="http://www.artfarms.org/">http://www.artfarms.org/</a>
Asha Sanctuary for Rescued Farm Animals	<a href="http://www.ashasanctuary.com/">http://www.ashasanctuary.com/</a>

AWARE-Assoc. for Wild Animal Rehabilitation & Education	<a href="http://www.awarewildlife.com/">http://www.awarewildlife.com/</a>
Bergen Swamp Preservation Society	<a href="http://www.bergenswamp.org/">http://www.bergenswamp.org/</a>
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 Audubon Society/Beaver Meadow Nature Center	<a href="http://www.buffaloaudubon.org">www.buffaloaudubon.org</a>
Buffalo Bike Share	<a href="http://www.buffalobikeshare.org/">www.buffalobikeshare.org/</a>
Buffalo Brownfields Opportunities Areas	<a href="http://buffalobrownfieldopportunities.com/">http://buffalobrownfieldopportunities.com/</a>
Buffalo Citybration	<a href="http://citybration.com/">http://citybration.com/</a>
Buffalo and Erie County Botanical Gardens	<a href="http://www.buffalogardens.com">www.buffalogardens.com</a>
Buffalo Farm to School Program	<a href="http://buffalofarmtoschool.org/">http://buffalofarmtoschool.org/</a>
Buffalo First	<a href="http://www.buffalofirst.org/">www.buffalofirst.org/</a>
Buffalo Geological Society Meetings 7:30pm, first Fri. Oct-April, Parkside Lutheran	<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 Solar Carousel	<a href="http://buffaloheritagecarousel.org/">http://buffaloheritagecarousel.org/</a>
Buffalo in Bloom	<a href="http://www.buffaloinbloom.com/">www.buffaloinbloom.com/</a>
Buffalo Maritime Center	<a href="http://www.buffalomaritimecenter.org/">http://www.buffalomaritimecenter.org/</a>
Buffalo Microparks	<a href="http://www.buffalomicroparks.com/">http://www.buffalomicroparks.com/</a>
Buffalo Museum of Science	<a href="http://www.sciencebuff.org/">www.sciencebuff.org/</a>
Buffalo Niagara Riverkeeper	<a href="http://www.bnriverkeeper.org/">www.bnriverkeeper.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' Environmental Coalition	<a href="http://www.cectoxic.org/index.html">www.cectoxic.org/index.html</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>
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>
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">www.daemen.edu</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="http://www.d21sbuffalo.com/">http://www.d21sbuffalo.com/</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>
Field and Fork Network	<a href="http://fieldandforknetwork.com/">http://fieldandforknetwork.com/</a>
Fillmore Corridor Neighborhood Coalition	<a href="http://www.fcnc-buffalo.org/">http://www.fcnc-buffalo.org/</a>
First Hand Learning	<a href="http://www.firsthandlearning.org">www.firsthandlearning.org</a>
Food is our Medicine Project	<a href="http://www.foodisourmedicine.org/">www.foodisourmedicine.org/</a>
Food Policy Council of Buffalo & Erie County	<a href="http://buffaloeriefoodpolicycouncil.org/">http://buffaloeriefoodpolicycouncil.org/</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>
Garden Clubs of WNY	<a href="http://www.gardenclubsofwny.com">www.gardenclubsofwny.com</a>
Garden Walk Buffalo	<a href="http://gardenwalkbuffalo.com/">http://gardenwalkbuffalo.com/</a>
Genesee County Nature Center	<a href="http://www.gcv.org">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://greendevelopmentzone.org/">http://greendevelopmentzone.org/</a>
Green WNY	<a href="http://greenwny.com/">http://greenwny.com/</a>
Greenworks WNY	<a href="https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/">https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/</a>
Groundwork Buffalo	<a href="http://www.gwbuffalo.org">www.gwbuffalo.org</a>
Habitat for Humanity Buffalo	<a href="http://www.habitatbuffalo.org/">http://www.habitatbuffalo.org/</a>
Heart of the City Neighborhoods, Inc.	<a href="http://www.hocn.org">www.hocn.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://janeswalk.org/united-states/buffalo-ny/">http://janeswalk.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.buffalolisc.org">http://www.buffalolisc.org</a>
Maddie's Pet Rescue Project	<a href="https://www.heartforanimals.org/maddie.php3">https://www.heartforanimals.org/maddie.php3</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.nylcv.org/">http://www.nylcv.org/</a>
New York Power Authority	<a href="http://www.nypa.gov">www.nypa.gov</a>
New York Public Interest Research Group	<a href="http://www.nypirg.org/">http://www.nypirg.org/</a>
New York State Association of Conservation Commissions	<a href="http://www.nysaccny.org/index.php">http://www.nysaccny.org/index.php</a>
New York State Ornithological Association	<a href="http://nybirds.org/index.html">http://nybirds.org/index.html</a>
New York State Outdoor Education Association	<a href="http://nysoea.org/">http://nysoea.org/</a>

New York State Parks	<a href="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>
New York State Sustainable Agriculture Working Group	<a href="http://www.ny-sawg.org/">http://www.ny-sawg.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 Frontier Botanical Society	<a href="http://niagarafontierbotanicalsociety.org">niagarafontierbotanicalsociety.org</a>
Niagara Frontier Wildlife Habitat Council	<a href="http://www.nfwhc.org/">http://www.nfwhc.org/</a>
Niagara Heritage Partnership	<a href="http://www.niagaraheritage.org/">http://www.niagaraheritage.org/</a>
Niagara Restoration Council	<a href="http://www.niagararestoration.org/">www.niagararestoration.org/</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>
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>
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://www.facebook.com/South-Bufferalo-Alive-174141769403626/">https://www.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>
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="https://www.facebook.com/groups/2239558471/">https://www.facebook.com/groups/2239558471/</a>
UB ERIE Program	<a href="http://www.erie.buffalo.edu/">http://www.erie.buffalo.edu/</a>
UB Office of Sustainability	<a href="http://www.buffalo.edu/sustainability.html">http://www.buffalo.edu/sustainability.html</a>
UB Regional Institute	<a href="http://regional-institute.buffalo.edu/">http://regional-institute.buffalo.edu/</a>
University Heights Collaborative	<a href="http://ourheights.org/">http://ourheights.org/</a>
UnwasteNY	<a href="http://www.unwasteney.org">http://www.unwasteney.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 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 Permaculture	<a href="https://www.facebook.com/WNY-Permaculture-1098493876841295/">https://www.facebook.com/WNY-Permaculture-1098493876841295/</a>
Western New York Science Congress	<a href="http://wnysc.org/">http://wnysc.org/</a>
Western New York Service Learning Coalition	<a href="http://levesqueinstitute.niagara.edu/programs/wnyslc/">http://levesqueinstitute.niagara.edu/programs/wnyslc/</a>
Western New York Soil Health Alliance	<a href="http://www.wnysoilhealth.com">www.wnysoilhealth.com</a>
WNY STEM	<a href="http://wnystem.org/">http://wnystem.org/</a>
Western New York Stormwater Coalition	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Western New York Sustainable Business Roundtable	<a href="http://www.wnysustainablebusiness.org/">http://www.wnysustainablebusiness.org/</a>
Western New York Sustainable Energy Association	<a href="https://www.facebook.com/WNYSEA">https://www.facebook.com/WNYSEA</a>
WNY Peace Center Renewable Energy Task Force	<a href="http://wnypeace.org/new/projects.html">http://wnypeace.org/new/projects.html</a>
West Side Ministries	<a href="http://www.westsideministries.org/">http://www.westsideministries.org/</a>
West Valley Citizen Task Force	<a href="http://www.westvalleyctf.org">www.westvalleyctf.org</a>
Wild Kritters	<a href="http://www.wildkritters.com/">http://www.wildkritters.com/</a>
Wild Ones, Native Plants and Natural Landscapes	<a href="http://www.wildonesniagara.org/">http://www.wildonesniagara.org/</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>