

Enviro-News

February, 2015

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 to Help the Environment; Lesley Haynes' column
- Volunteer opportunities, recycling, CSAs and farms, organization links

Articles:

"Energy Democracy- What Can We Learn From Germany?"

The Sierra Club-Niagara Climate & Clean Energy Writers Group meeting will feature a presentation from Aaron Bartley, executive director of PUSH Buffalo on **Monday, February 2**. Aaron recently traveled to Germany and witnessed entire communities that produce, maintain, distribute, and sell their own renewable energy. Let's hear what he learned, and how PUSH Buffalo sees it applying to WNY! This free, public meeting is from 6:00 to 7:30pm at the Unitarian Universalist Church of Buffalo, Alliance Room (2nd Floor) at 695 Elmwood Avenue.

Great Lakes Action Agenda Public Meeting

New York Sea Grant and NYSDEC's Great Lakes Watershed Program is hosting a public to provide information on the [Great Lakes Action Agenda](#), to discuss the proposed strategy for implementing the agenda, and to seek input on priorities for achieving watershed health across the region. The free meeting will be held from 3 to 5 p.m. on **Wednesday, Feb. 4** at Cornell Cooperative Extension of Erie County, 21 Grove St. East Aurora. An optional discussion and networking session will be held from 5-6 p.m. **Pre-registration is required** with NY Sea Grant at sgoswego@cornell.edu or 315-312-3042.

Dual fuel technology workshop and Clean Cities Stakeholder meeting

National Fuel and Clean Communities of WNY invite you to a workshop on Dual Fuel Technology from 9am-noon on **Thursday, February 5** at the Adam's Mark Hotel, 120 Church St., Buffalo. Registration is required for this free workshop [here](#).

Maple Syrup Production for Beginners

Buffalo Audubon Society and Sunny Hill Farm are teaming up to host a Backyard Maple Syrup Production Workshop on **Sunday, February 8th** starting at 2:00 pm at Beaver Meadow Audubon Center. Maple syrup is among the oldest natural food products produced in North America. Join Norm Ameis from Sunny Hill Farm in Arcade for the do's and don'ts of maple syrup production. Pre-registration is required and the cost is \$10. To register please call Beaver Meadow at 585-457-3228 or email info@buffaloaudubon.org

Bowl-A-Rama for MAP

Massachusetts Avenue Project's (MAP) annual Bowl-A-Rama fundraiser is **February 8th** at Voelkers (686 Amherst St., Buffalo) and everyone is invited to bowl with us! MAP's programs boost our local economy and help rejuvenate Buffalo's West Side. Money raised will provide 10 young people with jobs at MAP, providing them with meaningful work and the tools to change the food environment in Buffalo! Recruit a team of up to 5 people, or come bowl by yourself and make new friends once you get there! <http://map-bowl-a-rama.brownpapertickets.com/>

Environmental Educator Activity Exchange

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 on **Wednesday, February 11**. Socialize with other educators (experienced, as well as new to the field!) and swap strategies, stories, and your spirit for the outdoors and education! The event will be from 10am to 3:30pm at Reinstein Woods Nature Preserve and is sponsored by the *New York State Outdoor Education Association* (NYSOEA). Please pre-register by **Friday, February 6th** by contacting Kristen at 716-683-5959 x202 or kristen.rosenborg@dec.ny.gov and provide your name, title, organization, and phone number. To share an activity lesson plan or resources, submit to Kristen by February 8. Be sure to specify if any particular materials are needed, what length of time is needed to show the activity (approximately 20-30 minutes), and whether the activity will be shared inside or outside. Please bring your own lunch. Light refreshments will be offered and a suggested donation of \$5 per person is greatly appreciated which will go towards NYSOEA’s DEC Camper Scholarship Fund. One new NYSOEA annual membership will be raffled off for FREE during the workshop.

One Region Forward Community Congress

After three years of hard work and planning, One Region Forward will be celebrating our accomplishments while also looking to the future and next steps. Join us on **Thursday, February 12** from 5:30-7:00pm at Buffalo & Erie County Central Library, 1 Lafayette Square, Buffalo, 14203. One Region Forward’s Regional Plan for Sustainable Development entitled “A New Way to Plan for Buffalo Niagara” will be debuted and will also be available on the website in February. This free event will include hors d’oeuvres and a cash bar. Please register [here](#).

Certified Nursery and Landscape Professionals Trade Show & Education Day

The 2015 Certified Nursery and Landscape Professionals Trade Show & Education Day is planned for **February 5 and 6** at Salvatore’s Italian Garden. The two-day event includes seminars, vendors and a key note featuring Michael Dirr. Early bird registration is available until 2/2. Info at www.plantwny.com

Great Backyard Bird Count

The Great Backyard Bird Count (GBBC) is an annual four-day event that engages bird watchers of all ages in counting birds to create a real-time snapshot of bird populations. Participants are asked to count birds for as little as 15 minutes on one or more days of the event and report their sightings online at www.birdcount.org. Anyone can take part in the Great Backyard Bird Count, from beginning bird watchers to experts, and you can now participate from anywhere in the world! Last year, participants turned in more than 144,000 online checklists. The 18th annual GBBC will be held **Friday, February 13 through Monday, February 16, 2015**.

Garden Walk 2015 Beautification Grants

Applications for Marvin Lunenfeld Beautification Grants are now available from Garden Walk Buffalo, the largest garden walk in the nation. The grants, named for Marvin Lunenfeld, Garden Walk Buffalo’s founder, have helped fund dozens of garden beautification projects across the West Side of Buffalo for a total of more than \$50,000 in the last several years. The 2015 [grant application can be found here](#). Completed applications are due **Feb. 17, 2015** with funding awards announced in early spring 2015.

Polar Bites 2015

Put some FUN in your February at Polar Bites 2015! This wildly popular fundraiser for the Buffalo Zoo will take place at the Buffalo Niagara Convention Center on **Thursday, February 19th** from 6:00 p.m. – 9:00 p.m. Join us for some culinary delights, along with wines, brews and specialty services from some of the area’s finest establishments. Enjoy a basket auction, silent auction and a visit with some of our animal ambassadors. Tickets are \$35 pre-sale and \$45 at the door. A limited number of \$75 VIP tickets, which will grant you early admission, a special edition wine glass and an exclusive VIP door prize entry, are available. [CLICK HERE](#) to get your tickets today! For more information call 716-995-6131. Limited tickets available. You must be 21 years or older to attend.

Sponsorships Available for 2015 Canal-Related Events

To give canal-related events a boost, Erie Canalway has teamed up with the NYS Canal Corporation to offer a limited number of sponsorships of up to \$500 for events or festivals taking place in the National Heritage Corridor from May through November 2015. Qualifying events must promote or celebrate the distinctive historic, cultural, scenic, or recreational resources of the canal corridor. Eligible applicants include municipalities or nonprofit 501(c)(3) organizations. **Applications are due by February 13, 2015.** For details, visit www.eriecanalway.org

Grassroots Gardens Workshops and Garden Applications Announces

Grassroots Gardens Spring Workshops are now posted. Please RSVP online for these free workshops at www.grassrootsgardens.org/workshop-calendar.html or call 716-783-9653. They will be held at Urban Roots Garden Center (428 Rhode Island Street, Buffalo NY).

For City of Buffalo residents, if you are interested in starting a community garden, the application is due on **February 27th**. It can be found online here <http://www.grassrootsgardens.org/become-a-community-gardener.html>.

Online Solar Heating Inspecting Course for New York State

A three-week online course “Inspecting Solar Heating Systems in New York State” is geared towards code officials in New York and is approved by the Department of State, Division of Building Standards and Codes for six (6) CEU's. SHOL202 is also open to professionals in New York who will benefit from the knowledge of solar heating systems code. The \$50 course is being offered from **Feb. 17-March 9**. Info [here](#)

Registration Open for Horticulture Series at Botanical Gardens

The Buffalo & Erie County Botanical Gardens have opened registration for their new series of horticulture classes. Classes meet on Saturdays from 11am-1pm. Please see the class syllabus online for cost and registration. The first course begins **February 21**. [Info](#)

Citizen Planning School – Spring 2015

The UB School of Architecture and Planning is hosting the second semester of the One Region Forward Citizen Planning School. Learn about the basics of planning and sustainability in order to take a more effective and active role in shaping your community. Are you a resident of Erie and Niagara counties that wants to create positive change in your community? Already participated in our Citizen Planning School? This semester features new, more in-depth content. [Sign up](#) for the 2015 Citizen Planning School and apply for the Champions for Change Program. Applications for the [Champions for Change Program](#) close **February 28, 2015**.

Help us Re-Tree Buffalo

Re-Tree WNY needs volunteers to help plant trees in our community. Neighborhood residents can also request free trees for planting-applications are due by **February 28**. There is a two-hour class in mid-April to instruct residents on how to plant and care for their trees, with tree pick-up on April 17. For info, visit <http://www.re-treewny.org/>.

Go Bike Buffalo Classes

February kicks off a new schedule of classes at Go Bike Buffalo's Community Workshop (98 Colvin Ave.)! All classes are limited to 10 people with a suggested donation of \$10; they will all be held from 6-8pm. Topics include fixing a flat, bearing overhauls, drivetrain class and DIY fenders. **You MUST RSVP to save your spot. Please email Stacy, stacy@gobikebuffalo.org or call (716) 320-0193.** Check the schedule [here](#).

**Research Experience for Undergraduates (REU):
Ecosystem Restoration through Interdisciplinary Exchange (ERIE)-REU at University at Buffalo**

Applications are now being accepted for the summer 2015 Ecosystem Restoration through Interdisciplinary Exchange (ERIE) REU at the State University of New York at Buffalo (UB). The ERIE-REU, sponsored by the National Science Foundation, provides the opportunity for undergraduate students to conduct interdisciplinary faculty-mentored research on a diverse array of projects related to ecosystem restoration and engineering for sustainability. REU participants will receive a total of a \$5,000 stipend and on-campus housing in a newly constructed LEED-certified student complex. Participation is limited to U.S. citizens or permanent residents, and students must be enrolled as undergraduate students in a college program through Fall of the following year (graduating seniors are ineligible). Students from underrepresented groups or attending institutions lacking research facilities or opportunities are especially encouraged to apply. Applications must be fully completed by **February 27, 2015**. More information can be found at: http://www.erie.buffalo.edu/REU_apply.php

Buffalo Niagara Riverkeeper's River Academy Registration Open

Buffalo Niagara Riverkeeper's River Academy is a field based training series that provides an introduction to our Niagara River watershed through Saturday morning classes in stream science. River Academy will feature Riverkeeper staff and local experts sharing their knowledge of Niagara River hydrology, ecology, contamination and cleanup, land use impacts, restoration project design, green infrastructure solutions, watershed planning, green production and many current issues affecting our watershed. Sessions will include environmental service learning, exploration field trips and hands-on workshops. All participants will receive a certificate upon graduation. Classes run from **January 24 to May 16, 2015**. Classes will be held from 12pm to 4:30pm on Saturdays at the Riverkeeper office (721 Main Street, Buffalo, NY 14203) and field locations. <http://bnriverkeeper.org/riveracademy/>

Tree and Shrub Seedling Ordering Open

The 2015 Tree and Shrub Seedling Program is under way! Erie County orders ([Erie orders](#)) are due by **March 13** with pick up day on April 18. For Niagara County, orders ([Niagara orders](#)) are due by **March 13** with pickup April 24 and 25. Note that some varieties are limited so order early for complete selection.

Pond Stocking for Niagara County Residents

New for spring of 2015- Niagara County Soil & Water Conservation District is offering grass carp and eight different species of larger fish for ponds in the spring of 2015. You can find the order form and additional information including fish descriptions at www.niagaraswcd.com.

New York Composting Summit

The New York State Association for Reduce, Reuse, Recycle (NYSAR3) has developed the First Annual NYS Summit on Organics Management. Community-Based Composting Summit: Lessons Learned Across New York State is scheduled to be held **March 5, 2015** in Poughkeepsie, NY. Organizers are working to offer a teleconference or webinar option for those people who are interested but cannot travel that distance. For info, visit <http://www.nysar3.org/page/nys-summit-on-organics-management-100.html>

Symposium on Energy in the 21st Century

The annual Symposium on Energy will be held on **April 17, 2015** at “[The Links](#)” in East Syracuse, New York. The symposium includes talks and field trips. Advance registration is available until April 1. [register](#)

Community Supported Agriculture (CSA) Enrollments Open-Don't delay

Want fresh vegetables throughout the summer without the hassles of growing your own? Consider joining a CSA (community supported agriculture) and receive a weekly share of the farm's bounty. Many CSAs are filled for the 2015 season, so don't delay. There is a listing of many local CSAs further down in the newsletter.

Ithaca Native Landscape Symposium

The seventh annual Ithaca Native Landscape Symposium will be held on **March 6 and 7** at the Cinemapolis, Ithaca's Art Theatre on the Commons. The Symposium is based on a simple idea: the use of native plants should remain an integral part of sustainable landscapes. The Symposium offers alternative ideas, knowledge and perspective presented by experts and professionals from our region and beyond. It is for landscape architects, designers, educators, Master Gardeners, government employees, homeowners, gardeners, naturalists and anyone else eager to learn more about this growing movement. For more info, click [HERE](#)

PUSH Green comes to WNY

[PUSH Green](#) was created to help WNY get energy efficient! Through PUSH Green you may receive a free comprehensive energy audit of your home. If you choose to proceed with recommended improvements, we can help you access subsidies and low-cost financing you may qualify for, including a new NYSERDA program that will allow you to finance improvements right on to your utility bill, eliminating the need to pay up-front. PUSH Green acts as your knowledgeable advocate during the entire process, and helps connect customers to contractors who agree to do right by their workers and community. Visit www.pushGREENwny.org or call 716-886-1780.

Urban Farmer Information Wanted for Database

Ehle Shachter, Brooklyn office of NYS Department of Agriculture and Markets, is creating a community gardening and urban agriculture webpage. Their webpage features newer images of community garden and urban agriculture activities across the state, with references to the establishments specifically. Check out the [webpage](#). If you have events or information to share, please contribute to the calendar at this site. Submit your event (Name of event, organization, link to event, description of event, time, and date to commgardenandurbanagcalendar@gmail.com.

WNY Coalition for Donated Goods-Textiles Accepted

The WNY Coalition for Donated Goods (WNYCDG) is a consortium of local non-profit organizations including Salvation Army, Amvets, Goodwill, Hearts for the Homeless and the City Mission. The mission of WNYCDG is to educate the community on the environmental and economic benefits of recycling and donating goods and to provide easy access to donation opportunities. WNYCDG is supported and sponsored by the City of Buffalo and the County of Erie and partially funded by the State of New York. By donating to a WNYCDG member, donors are assured that they are providing valuable life changing services to people right here in Western New York. For a list of dropoff sites by zip code, visit [here](#) (scroll to bottom).

University at Buffalo's 2015 Stream Restoration Summer Workshops

The University at Buffalo (UB) will be offering two summer workshops on topics related to stream restoration. Workshops are scheduled for the first week of **June 2015** at the UB's North Campus in Buffalo, NY. The first workshop is Fundamentals of Stream Channel Design (June 1-2) and the second workshop is Watershed Management Planning, Assessment, & Monitoring (June 3-5). Participants may take either or both workshops. The workshops are geared toward graduate students and environmental professionals. More information will be posted on our webpage: <http://www.erie.buffalo.edu/trainingSummerCoursemainpage.php> and registration will open in early 2015.

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. Sharing food in a public place draws 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. There is enough food to go around: all the fresh produce, grains, and beans that Food Not Bombs uses would have otherwise gone to waste. Worldwide, roughly one third of food produced for human consumption is lost or wasted. There are hundreds of Food Not Bombs groups throughout the world. Each group is autonomous but they share the same core beliefs: cooking without animal products, a consensus decision-making process, and nonviolence. For more info, <https://www.facebook.com/BuffaloFNB>

Groundhog Day: Real Story

The tradition of trusting our spring weather prediction to a groundhog has its roots in legends from the past. February 2 is Groundhog Day in the US with several famous woodchucks (Dunkirk Dave and his better known cousin Punxsutawney Phil) watched to determine whether they see their shadow forecasting a longer winter. Past traditions suggested that if the sun made an appearance on Candlemas Day (a day when candles were lit to represent the lengthening days), hedgehogs would cast a shadow leading to six more weeks of bad weather. For more on the tradition, visit <http://inhabitat.com/the-true-story-behind-groundhog-day/>

National Water-Use at Lowest Levels Since 1970

Water use across the country reached its lowest recorded level in nearly 45 years. According to a new USGS report (found at <http://pubs.usgs.gov/circ/1405/>), about 355 billion gallons of water per day were withdrawn for use in the entire U.S. in 2010. This represents a 13% reduction of water use from 2005. Withdrawal for irrigation remains one of the major uses of water nationwide.

Permaculture Videos-See it in Action

An online video series allows you to see permaculture sites and gain a better understanding of what is involved. Check it out at <http://www.openpermaculture.com/experience-permaculture-site-visits>.

DEC Seeks Landowners for Turkey Data Collection

Beginning in January, the New York Department of Environmental Conservation (DEC) will embark on a statewide effort to capture wild turkey hens and fit them with leg bands to obtain accurate data on survival and harvest. A small number of these birds will also be tagged with satellite radio-transmitters. All of the work will be done by DEC personnel on both public and private lands from January through March. The DEC is looking for landowners in our region who will allow birds to be trapped on their land (after banding, birds will be released at same location). Observations of turkey flocks during January through March can be reported to the project coordinator for that region or can be reported using the [Winter Wild Turkey Flock Survey](#) form found on DEC's website. For more information on this project, contact the regional project coordinator below or DEC by e-mail at wildlife@dec.ny.gov. "Turkey Study" should be listed as the subject line in any e-mails. More info and regional contact information: www.dec.ny.gov/press/94783.html

Chemical Cock Up- Polar Bear Erectile Dysfunction?

A Danish study has found that exposure to organohalogens like polychlorinated biphenyls (PCBs) has led to lowered density in the penile bones in polar bears. Unlike humans, these mammals have a bone within their penis. The study examined 279 penile bones from bears from different subpopulations and found a significant correlation between chemical exposure and penis size and density. For more info, visit <http://inhabitat.com/chemical-pollutants-are-breaking-polar-bears-penisess/>.

DEC Releases Plan to Prevent Spread of the Hemlock Woolly Adelgid

The Hemlock Woolly Adelgid (HWA) is an invasive insect species which kills hemlock trees, including Eastern hemlock (*Tsuga canadensis*). It multiplies very rapidly, feeding on the infested tree, and usually causes death within five to 10 years. Through a partnership with the Nature Conservancy and Cornell Cooperative Extension, the Department of Environmental Conservation is taking action to prevent the spread of HWA into the Zoar Valley area. In September, Cornell scientist Mark Whitmore discovered a single tree infested by HWA (*Adelges tsugae*), in Deer Lick Conservation Area, property that is adjacent to Zoar Valley Multiple Use Area. This was the first HWA detection in western New York. DEC will use two systemic pesticides to treat the infested trees and approximately 600 trees around them, in an attempt to kill the pests and prevent HWA from spreading further into the Zoar Valley. The registered chemicals (dinotefuran and imidacloprid) will be applied by DEC certified pesticide applicators directly to the bark of the trees, where it will absorb into the vascular tissue. Dinotefuran moves rapidly through the tree, killing any adelgids that are feeding on it, while imidacloprid moves more slowly, protecting the tree from further attacks for five years or more. HWA has been known in parts of New York for over 20 years, but this is the first detection of the pest in the Zoar Valley.

Assisted Home Performance with ENERGY STAR®

Want to improve your home's energy efficiency and comfort while saving money? Have a home energy assessment conducted by trained and experienced home performance contractors. The assessment provides you with a top-to-bottom look at where your home is wasting energy. You will learn the root cause of any drafts, inconsistent temperatures, heating and cooling system failures, or other problems you may be experiencing. The Assisted Home Performance with ENERGY STAR program makes it easy and affordable to make the smart investment in a more energy-efficient home, helping income-eligible homeowners across the State lower their energy bills and live more comfortably all year long. It provides those who qualify with a discount covering 50% of the cost of eligible energy efficiency improvements up to \$5,000 per project for single-family homes. Two- to four-unit residential homes with income-eligible residents may qualify for a discount of up to \$10,000. Get a home energy assessment to pinpoint where energy and dollars are being wasted. [Apply Now](#).

Spotted Wing Drosophila-Be Prepared for this Invasive

The spotted wing *Drosophila* (SWD) is an invasive fruit fly pest that harms berry and other fruit crops. While fruit flies are not new in the US, this species is different in its ability to infest healthy fruit rather than just over-ripe or damaged fruit. Females of this species have serrated ovipositors that can cut into healthy fruit to insert eggs. The insect can have as many as ten generations per year, so has the potential to cause considerable crop loss. A March 4 daylong workshop in Batavia (register by Feb. 25) will provide info on identifying and managing this pest. For workshop info, visit www.hort.cornell.edu/grower/nybga/swdworkshops/index.html

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. New courses in 2014 will focus on mitigation. To learn more, visit: [courses](#).

2015 Erie Canal Cycle Tour Registration Open

Registration is now open for Parks & Trails New York's 17th annual [Cycle the Erie Canal](#) tour, an unparalleled opportunity to bike across New York State and take in the rich history of a legendary canal that helped transform America. [Click here to register today!](#) The 2015 tour kicks off in Buffalo on **July 12** and arrives in Albany on July 19.

Cool Harvest Resource for Climate Change & Diet

Cool Harvest is a food faith and climate program. Food is central to religious life – from rituals to sacraments to soup kitchens – and looking more carefully at our food choices can be a revealing exercise. CoolHarvest.org has tips and resources to walk you through this, so you can make healthier and more sustainable food choices for your congregation and community. You will also find climate table blessings, tips for hosting a "Cool Potluck" in your community, a guide for building your own raised beds, and much more. Visit <http://www.coolharvest.org/> for tips.

Small Farmer Courses

The Northeast Beginner Farmers Project offers interactive 5-7-week courses to connect you to the information and people you need to start a successful farm business or diversify your farm. A new series of courses will be offered in early 2015 with limited spaces. Courses are \$200 each. All courses consist of weekly real-time webinars followed by homework, readings, and discussions on your own time in an online setting. Check out the offerings at <http://nebeginningfarmers.org/online-courses/>.

Summer Teaching Case Studies in Science Workshop

The National Center for Case Study Teaching in Science at University of Buffalo will offer its annual summer workshop from **June 1-5, 2015**. The workshop is limited to 35 people and the cost is \$900.00. The five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. In addition, workshop participants are expected to produce a case study within six months of the workshop for our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy, computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines. Registration and info [here](#).

Rain Barrel Contest

The Erie County Department of Environment and Planning is proud to announce the 2015 Rain Barrel Painting Contest for schools and student-based community groups in Erie and Niagara counties in honor of Earth Day 2015! All are encouraged to enter as a team, either through a class or an after-school program. The team will design and paint a rain barrel provided by the Coca-Cola Bottling Company of Buffalo, Inc. for the theme, ***One Earth...One Chance – Recycle the Rain***. Winners will be awarded generous cash prizes at our annual Earth Day celebration in April, 2015. All participating schools will receive their final painted rain barrels to use, donate or raffle as desired. Call (716) 858-8390 for info.

Teacher's Resources

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. This comprehensive educational resource is aligned with national educational standards, including NGSS, CCSS and Climate Literacy.

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. Hundreds of SMILE activities are free, and thousands are low-cost and use readily available materials.

"Wild about Birds" -The first of three new topics for the 2014-15 school year, "Wild about Birds" is focused on the science of birds, including their characteristics and adaptations, habitat needs, migration, and life cycles.

[Brazil Habitats and Mask Making \(5-7 years\):](#) Children can learn about the different habitats of Brazil and some of the animals that live there before making their own masks. There are six different species to choose from including the jaguar, capybara and dyeing poison frog.

[Brazil and the Amazon - Wildlife Film Script Activity \(7-11 years\):](#) Children will be introduced to the topics of Brazil and the Amazon before using fact sheets to research and write a script for their own wildlife film about an endangered species from the Amazon.

[Technology in Environmental Education Course](#)-This eight-week (self-paced) online course is designed to get you up and running with technologies you can use immediately in your organization and environmental programs. Choose the technologies you want to learn. You can focus on mobile and non-mobile tools to enhance your education programs, or focus on social media apps for marketing your programs. Or you can focus on both! The course is free, funded by EPA.

[New Enviro App: Habitat the Game](#)-The Wildlife Conservation Society and Rainforest Alliance have created this new app for kids to save virtual endangered species and reduce their carbon footprint while on real-life missions. Designed for seven to 12 year-old players, Habitat encourages care of virtual endangered animals while they earn points by completing real-life missions, like recycling or visiting a park or zoo.

[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](#).

[Teaching Climate Change Using the National Climate Assessment Report](#)- Corn producers in Iowa, oyster growers in Washington state, and maple syrup producers in Vermont are all observing climate-related changes that are outside of recent experience. Decisions we need to be making to do something about this in our own communities and states are highlighted [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 develop the benefits gained through 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.

["Appetite for Adventure: Exploring Global Food Sustainability"](#)-Green Living Project is proud to announce our new school assembly program. 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.

[Advancing Climate Change Environmental Education Resources](#)- The Climate Change Environmental Education POLCA (Project-based Online Learning Community Alliance) has released materials produced by nine working groups. Formal and informal educators will find research findings, standards, and teaching suggestions appropriate for social studies, language arts, science, and interdisciplinary teaching/learning.

[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.

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

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

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

Contests and Awards

[World of 7 Billion Student Video Contest](#)- Create a short video (up to 60 seconds) about human population growth that highlights one of the global challenges listed on the website. All videos must include a) how population growth impacts the issue, b) why the issue is important, and c) at least one idea for a sustainable solution. Teachers encouraging students to enter the contest will receive a free resource kit. **Deadline: February 19, 2015**

Grant and Scholarship Opportunities

[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**.

[Five Star and Urban Waters Restoration Grant Program](#) anticipates that approximately \$2,000,000 in combined total funding will be available for projects such as: wetlands creation and restoration; green infrastructure and stormwater management; citizen's science and volunteer water monitoring; projects that reduce or eliminate trash from entering waterways; coastal habitat, riparian, urban forest restoration and other water quality protection and restoration projects in local communities. Deadline: **February 3, 2015**.

[2014 Environmental Education \(EE\) Grants Program](#) -This year, EPA intends to issue two Requests for Proposals. EPA seeks grant proposals to support EE projects that promote environmental awareness and stewardship. The EE Model Grants proposals are due by **February 2, 2015** and there will be three awards for approximately \$192,200 each under this RFP. The EE Local Grant proposals are due **March 6, 2015**.

[NYSERDA Proposals for Plug-in Electric Vehicles](#)- PON 3016 seeks proposals for projects that research and demonstrate innovative technologies, policies, and systems that can help overcome market barriers to plug-in electric vehicle (PEV) adoption in New York State by making PEVs more desirable for consumers and more economically viable, reducing their impacts on the electric grid, and/or improving their (already significant) environmental benefits. Deadline: **February 10, 2015 at 5pm**.

[Martin Richard Bridge Builder Grants](#)-Calling all Peace Makers! Apply for a \$500 grant to support kids and teens ages 5-18 in changing their communities through kindness! Honoring the memory of Martin Richard, the eight-year-old 2013 Boston Marathon bombing victim, generation On and Hasbro - in partnership with the Martin Richard Foundation - are offering thirty \$500 mini-grants to encourage young people around the U.S. to take action that advances peace and kindness in their communities. **Deadline: February 13**.

[GRO1000 Grants](#) from The Scotts Miracle-Gro Company are awarded to local communities to help bring edible gardens, flower gardens and public green spaces to neighborhoods across the United States. Any non-profit organization that is helping to foster community spirit and public service is eligible to apply for up to \$1,500 for community gardens and green spaces. **Deadline: February 13**.

[The Bezos Scholars Program](#)- 30 top high school juniors and exceptional educators from across the U.S. and Africa are selected to participate in this year-long leadership development program. The program kicks off with an all-expenses-paid scholarship to attend the acclaimed Aspen Ideas Festival (AIF), a remarkable gathering of thinkers and change agents from around the world. Throughout the academic year, Scholars participate in virtual Bezos Scholars Program trainings and are invited to apply for a \$1,000 seed grant. **Deadline: February 17**.

[Sustain Our Great Lakes Grant](#) provides funding to restore and enhance habitat in the Great Lakes basin. **Deadline: February 18, 2015**.

[Disney Friends for Change Grants - U.S.](#), offer young change-makers \$500 to gather their friends and turn their creative ideas to help their communities into projects taking place on or around Global Youth Service Day - April 17-19, 2015. Whether protecting the planet, providing food to hungry people, helping other kids learn, or promoting healthy behaviors, Friends for Change help make their communities greener, safer, smarter, healthier, cleaner, and fairer. Youth ages 5-18 located in all 50 states and DC are eligible. **Deadline: February 18.**

[UL Innovative Education Award](#) - In recognition of our world's changing needs, Underwriters Laboratories (UL), the global safety science leader, and NAAEE launched the UL Innovative Education Award, a first-of-its-kind initiative designed to invest \$250,000 in environmental and STEM education, sustainable communities, and youth empowerment. The program offers recognition grants to increase the impact of existing innovative nonprofit programs in the US and Canada. Deadline: **February 27, 2015.**

[NYSAR3 Recycling and Reduction Grants](#)-A limited number of grants of up to \$1,000 will be awarded to support innovative projects aimed at "initiating, improving, or expanding source reduction, reuse, or recycling programs on campus." Deadline: **Feb. 27, 2015.**

[Opal Apple Youth Make a Difference Grants](#) will funding to youth-based initiatives serving their communities in the U.S. where youth, ages 6 - 25, take leadership roles in the initiative. Grants will be awarded in the range of \$5,000 - \$20,000. The initiatives chosen will address one or more issues of food security, nutrition, agriculture, and food politics and education. **Deadline: February 28.**

[Scholarships for Amazon Rainforest Professional Development Workshop](#)- The 2015 Educator Academy in the Amazon Rainforest (July 1–11, 2015) allows environmental educators to use and learn innovative instructional tools while exploring one of the world's most important resources—the Amazon! Deadline: **March 1, 2015.**

[Keen Effect Community Grant](#)- \$10,000 Grants awarded to U.S. non-profit organizations or equivalents outside of the U.S. Projects must increase responsible outdoor participation as a way to work towards building a strong community. Deadline: **March 1, 2015.**

[New York State Wetlands Forum Research Grant](#)- Applicants must be currently enrolled, and enrolled for the spring 2015 semester, as either a matriculated graduate student or junior or senior at a recognized four-year accredited college or university with a research proposal which pertains to wetland issues relevant to New York State. Deadline: **March 1, 2015.**

[Jamestown Audubon Environmental Scholarship](#) -Jamestown Audubon offers the Ryan Exline Memorial Scholarship, a \$500 scholarship to an area college-bound high school senior or Jamestown Community College student who intends to pursue a bachelor's degree in an environmental or related field. Deadline: **March 15.**

[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.**

[Basically Bats Wildlife Conservation Society Student Research Scholarships](#) for the 2015-2016 academic year. The scholarships, comprising up to \$5,000 each, will be awarded to qualified students during the Fall of 2015. The scholarships will be awarded for research directly related to white-nose syndrome (WNS) in North American bats. **Deadline: June 15th, 2015.**

[VolunTEEN Nation International Service Project Grants](#)- Students (ages 13-22) from the United States 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.**

[Karma for Cara Foundation Micro-grants](#) is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. Whether it is turning a vacant lot into a community garden, rebuilding a school playground or helping senior citizens get their homes ready for winter, they want to hear what project you're passionate about. **Deadline: Rolling.**

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

[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.

[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. At this time, educational projects are typically conducted with EREF being a primary stakeholder/partner and with the goal to develop a revenue model that, at least, covers expenses for the project. Grants are typically not provided to support the development of educational projects.

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)-Thanks to generous support from Dr Pepper Snapple Group, KaBOOM! will be awarding 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. Through the generosity of the Charles and Lynn Schusterman Family Foundation, 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. Micro-grants will be accepted on a rolling basis, and grants will continue to be awarded as long as funding remains available.

[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. Online applications may be submitted throughout the year.

[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.

[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 goals, strategies, and priority projects identified in the Niagara Falls National Heritage Area Management Plan. Download the plan online at <http://www.nps.gov/nifa> .

[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

[AmeriCorps Positions](#)-For questions about the program, please call (716) 418-8500.

[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.

[Stewardship Director, Genesee Land Trust](#)- full-time Stewardship Director responsible for the management and stewardship of Genesee Land Trust's protected lands including 12 preserves and 20 conservation easements (4,000 acres) and provide technical support for land acquisition projects. Responsibilities include: coordinate and supervise volunteers and contractors; monitor conservation easements; maintain relationships with landowners; manage stewardship database and records; develop and implement land management plans. **Deadline: open until filled.**

[Community Engagement Director for WNY Land Conservancy](#)- The purpose of this new position is to significantly increase the public's engagement with the Land Conservancy's work. The Community Engagement Director will work with the Development Director and other Land Conservancy staff and board members to lead our citizen engagement and communications activities, and support our development work. The Community Engagement Director is a full-time exempt position.

[Summer Internship with Environmental Health Services](#)-The Centers for Disease Control and Prevention (CDC) Summer Program in Environmental Health (SUPEH) is a paid 10-week internship program for undergraduate students majoring in environmental health in a program accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC). **Deadline: February 11.**

[WNY PRISM Education and Outreach Assistant](#)- The Western New York Partnership for Regional Invasive Species Management combats the spread of both aquatic and terrestrial invasive species and mitigates associated threats by providing region-wide coordination for invasive species monitoring and management. Assistant will work closely with WNY PRISM Coordinator to implement and expand our education, outreach and volunteer programming essential to the success of the partnership. Position is May to September. **Deadline: March 13.**

[WNY PRISM Invasive Species Management Assistants](#) - June 1-Aug 28. The WNY PRISM Invasive Species Management Assistants (3) will work with WNY PRISM Program Coordinator to increase our capacity for invasive species detection, education, prevention and eradication/control. This position will involve invasive species mapping, surveys, and assessments (utilizing iMapInvasives online mapping tool), assisting Partners with priority invasive species removal projects, communicating with Partners and the public through education and outreach efforts, assisting with volunteer trainings and other educational events, and development of WNY PRISM resource and educational materials. **Deadline: March 31.**

[Conservation Corps Seasonal Trail Steward Positions](#)-Seasonal positions are available at various sites in New York and New Jersey for invasive species removal and trail management. Applications should be received by **February 16** for full consideration.

Citizen Science

[Wild Turkey Surveys](#)-Help the DEC gather information on our local turkey flocks. Record any sightings from January to March on the form at the link.

[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.

[Woodpecker Damage Surveys](#)-Calling all birders: Report woodpecker damage due to Emerald Ash Questions? Contact: imapinvasives@nynhp.org who will provide training to post to the NYS Invasive Species Database. Take photos of the damage, bark, and crown of any ash trees with woodpecker damage.

Get Involved in Environmental Change in WNY

The WNY Environmental Alliance (WNYEA) has working groups that welcome individuals who want to work on improving environmental issues in our area. Check out the 2014 agenda and see a list of working groups [here](#).

Upcoming Community Activities:

Monday, February 2

“Energy Democracy- What Can We Learn From Germany?”- Sierra Club-Niagara Climate & Clean Energy Writers Group meeting will feature a presentation from Aaron Bartley, executive director of PUSH Buffalo. He recently traveled to Germany and witnessed entire communities that produce, maintain, distribute, and sell their own renewable energy. Let's hear what he learned, and how PUSH Buffalo sees it applying to WNY! This free, public meeting is from 6:00 to 7:30pm at the Unitarian Universalist Church of Buffalo, Alliance Room (2nd Floor) at 695 Elmwood Avenue.

Participatory Budgeting - Believe in Blackrock-7pm – 8pm at 85 Amherst St, Buffalo, NY 14207, USA ([map](#)). Live in Black Rock? Want to learn more about Participatory Budgeting? Clean Air Coalition members will be holding a mini teach-in.

Tuesday, February 3

Full Moon Snowshoe Walk- 6:30 p.m. Enjoy the winter woods by the light of the full moon. For adults only. Snowshoe fee \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series-At Downtown Buffalo & Erie County Public Library. Free to all. 12:30 - 1:00 P.M. "IMAGINE Lifelong Learning and Buffalo Niagara as a Bi-National Cultural & Nature Center: The Arts + STEM = STEAM" by Leslie Zemsky - Larkinville Author Lecture Series. For 12-12:30 topic, visit <http://buffaloah.com/h:center/lib/15lec.html>

PUSH Community Building Meeting-This is the place where you can help with planning PUSH events and community building activities. These meetings are usually the first Tuesday at 5pm and meet at 460 Massachusetts Ave in Buffalo NY.

Wednesday, February 4

Full Moon Cross-Country Ski Tour- 6:30 p.m. Enjoy a guided cross-country ski tour under a full moon. For experienced skiers, ages 10 and up. Ski rental \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Greater Buffalo Niagara Regional Transportation Council Meeting- 9:30 AM . Public Welcome. 716-856-2026. Buffalo City Hall.

Great Lakes Action Agenda-New York Sea Grant and NYSDEC's Great Lakes watershed program are hosting a public workshop to discuss the proposed strategy for implementing the agenda, and to seek input on priorities for achieving watershed health across the region. Meeting will be held from 3 to 5 p.m. at Cornell Cooperative Extension of Erie County, 21 Grove St. East Aurora. An optional discussion and networking session will be held from 5-6 p.m. There is no cost to attend, but pre-registration is required with NY Sea Grant at sgoswego@cornell.edu or 315-312-3042.

High Tunnel School-9:30am to 2:30pm at Erie County CCE Auditorium, 21 South Grove Street, East Aurora, NY 14052. Info and registration at <http://erie.cce.cornell.edu/events/2015/02/04/vegetable-growers-meeting-and-high-tunnel-school>

“Geophysics, geochemistry, and hydrologic measurements to analyze groundwater storage in a high elevation meadow.”-Please join the Great Lakes Center for our GLC 600 Great Lakes Seminar series to be held from **4:30 to 5:45 p.m.** in the **Classroom Building, Room B220** at Buffalo State College. Dr. Chris Lowry, Geology Department at UB will speak.

Thursday, February 5

Wellness Walk at Tifft-10 am to noon. Drop by Tifft Nature Preserve and enjoy the fresh air and the sights and sounds of the season with a healthy outdoor walk! Offered Thursdays all year. \$2.00 per person donation appreciated. Please call 825-6397 to confirm walk will be taking place.

After-School Escape-4:30 PM at Reinstein Woods Nature Preserve, Depew. Enjoy a one-hour program for kids featuring a different, fun, outdoor activity each week. For kids in grades K through 5. No registration required.

Certified Nursery and Landscape Professional Trade Show & Education Day- [info](#) at Salvatore's Restaurant.

"WNY Drilling Defense Community Meeting"-6:00 to 7:00 p.m. at Crane Branch Library, 633 Elmwood Avenue Buffalo, New York 14222. <https://www.facebook.com/events/771361166253060/?ref=5>

Energy and Climate Change Working Group for WNYEA-contact terryyonker@cs.com for details.

Dual fuel technology workshop and Clean Cities Stakeholder meeting- 9:00 AM to 12:00 PM (EST) Adams Mark Hotel, 120 Church Street, Buffalo, NY 14202. Free-register [here](#)

Vegetable Growers Meeting -9:00am to 3:00pm at Erie County CCE Auditorium, 21 South Grove Street, East Aurora, NY 14052. Info and registration at <http://erie.cce.cornell.edu/events/2015/02/04/vegetable-growers-meeting-and-high-tunnel-school>

Friday, February 6

Certified Nursery and Landscape Professional Trade Show & Education Day- [info](#) at Salvatore's Restaurant. Michael Dirr, keynote speaker.

Awareness and Creative Solutions to Transportation Challenges and Barriers in WNY Roundtable- 8:30 am - 10:30 am at [Hospice Buffalo](#). For additional information and to RSVP (by 2/2/15), please contact Junior League of Buffalo Headquarters, 716.884.8865. <http://www.jlbuffalo.org>

Saturday, February 7

Winter Wonderland in the Woods-1:00 to 4:00 p.m. Discover the woods in winter! Try out snowshoes or cross-country skis for free, go on a winter scavenger hunt, and make snow art. Enjoy ice fishing demonstrations, winter crafts for kids, and more! Refreshments for sale. For more information, visit www.reinsteinwoods.org or call 716-683-5959. No registration required for this event.

Cross Country skiing, snowshoeing, and/or nature walk at Penn Dixie-10am. Public Welcome. Pre-registration required. \$4/person, Penn Dixie members FREE. www.penndixie.org

Snowy Owl: The "Ghost of the Arctic!"- 10:00 a.m. – 12:00 p.m. at Buffalo Harbor State Park. Another winter invasion of Snowy Owls is expected along the waterfront of Buffalo Harbor State Park! Snowy Owls are active during the day and this will be a good chance to see them and discover why they made the long journey from their arctic tundra breeding grounds! **For information and registration call (716) 549-1050.**

Ice Bridge of Niagara- 1:00 p.m. – 4:00 p.m. at Niagara Falls State Park. Come see Niagara Falls in the winter! A park naturalist will be in the visitor center with a display and to answer questions. **For information call (716) 282-5154.**

Snowshoe Night Hike- 7:00 to 10:00pm at Taylor Road Park, Hamburg. A very unique and exciting nighttime hike through mature forests with a focus upon snowshoeing skills and games and lessons in “after dark” winter ecology. Participants will also be treated to a warming campfire and tasty cold weather snacks. Snowshoes will be provided. Fee: \$15.00 members / \$20.00 non-members

www.earthspiritedu.org

Walk at Knox Farm State Park: “Groundhog Ways.” - 9am. Learn about the sleepers in Western New York as we hike along the trails in search of the telltale signs of their awakenings throughout the winter. Donations. www.buffaloaudubon.org

Winter Waterfowl at Buckhorn Island State Park – 9am to noon. Join Buffalo Audubon for a winter hike along the Niagara River to observe one of the largest congregations of migratory waterfowl in the world. Meet at Canoe Launch Parking Lot on East-West Park Road. Donations. www.buffaloaudubon.org

Gardeners’ Give & Take-10 to 11:30am, an open ‘round table’ discussion group, which meets every other Saturday morning at Urban Roots Garden Center, 428 Rhode Island, Buffalo in the winter. After several years, the group has established a core of regulars, but it also continues to seek and draw new faces to the table, with ideas, projects, questions, problems, plans and advice to share on any number of gardening topics. This group welcomes all gardeners, experienced or novice, to join in the conversation. We’ll supply the coffee, we hope you will join in the conversation.

Nature Maker Series: Pressed Flowers Valentine Cards- 2 to 3:30pm. Create and take home a beautiful, one-of-a-kind Valentine’s Day Card and small Photo Album using real pressed flowers and easy techniques in this edition of our guided Nature Maker workshop series. Materials provided. Tifft Nature Preserve. \$7 non-members, BMS members save 10%. Ages 8+. Please call 825-6397.

Cross Country skiing, snowshoeing, and/or nature walk at Penn Dixie-10am. Public Welcome. Pre-registration required. \$4/person, Penn Dixie members FREE. Register at 627-4560. www.penndixie.org

Hemlock Woolly Adelgid Volunteer Training-10am to 1pm at Letchworth State Park Main office. Brief indoor lecture, where we will review the results of last year’s surveys. Next we will head outdoors to demonstrate field survey techniques, and end back inside where volunteers can sign up for survey areas. Please RSVP to me by **Monday Feb 2nd** if you plan on attending or have any questions.

alyssa.reid@parks.ny.gov Dress appropriately for going outside and bring any food or supplies you’ll need to stay comfortable during the training.

Zooper Saturday (Family Valentine’s Day)=Spend some quality time together at Family Valentine’s Day event! You will enjoy animal demonstrations and enrichment activities, and you may decide to make a Valentine’s Day card for a family member, friend or even your favorite animal at the Zoo! The event runs from 11:00 a.m. until 3:00 p.m., and activities are free with Zoo admission. Please call (716) 995-6133 for more information.

Sunday, February 8

Maple Syrup Production for Beginners – 2 to 4pm. Maple syrup is among the oldest natural food products produced in North America. Join Norm Ameis from Sunny Hill Farm in Arcade for the do’s and don’ts of maple syrup production. This workshop is perfect for those who are interested in learning more about how to do it yourself! \$10 Adults. (BM). www.buffaloaudubon.org

Hemlock Woolly Adelgid Volunteer Training- Allegany State Park, Camp Allegany, from 1-3:30. Brief indoor lecture, where we will review the results of last year’s surveys. Next we will head outdoors to demonstrate field survey techniques, and end back inside where volunteers can sign up for survey areas. Please RSVP by **Monday Feb 2nd** if you plan on attending. alyssa.reid@parks.ny.gov Dress appropriately for going outside and bring any food or supplies you’ll need to stay comfortable during the training.

Go Bike Classes: Bearing Overhauls-Bearings help keep bikes rolling. If they are out of adjustment you bike could be in for some serious issues. Learn how to assess, adjust, and overhaul the various bearing systems in a bike. Classes at our Community Workshop (98 Colvin Ave.)! All classes are limited to 10 people and are a suggested donation of \$10; they will all be held from 6-8pm. **You MUST RSVP to save your spot.** Please email Stacy, stacy@gobikebuffalo.org or call (716) 320-0193.

Monday, February 9

Erie Canal Harbor Development Corp. Public Meeting-10:30am, Board Room of ESD’s Buffalo Regional Office, 95 Perry St., Buffalo, NY 14203 <http://www.eriecanalharbor.com>

Little Tykes Mini Nature Camp -9:30 to 11:30am. Enjoy a morning of fun and exploration at Tifft Nature Preserve! Nature games, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Ages 3-5. Non-Members: \$8 per child w/adult, \$4 per additional child with same adult. BMS Members save 10%. Pre-registration required at 825-6397.

DEC Public Hearing on Air Pollution Law- 4pm – 6pm at Sheridan Parkside Community Center ([map](#)). New York State is Reviewing our Air Pollution Laws .169 Sheridan Parkside Dr. Tonawanda NY.

Sierra Club Energy Committee Meeting- 6pm at UU Church, 695 Elmwood., 2nd floor. Use side garden entrance. All are welcome to join us to work for renewable energy solutions.

Tuesday, February 10

“Ghosts of Cultivation Past”-Niagara Frontier Botanical Society meeting at 7:30 p.m. at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder. All General Meetings are open to the public and free of charge. Robert Warren, assistant professor of Biology at Buffalo State College, will speak on “Ghosts of Cultivation Past—Cherokee Legacy Shapes Tree Patterning.” Dr. Warren’s research has focused mainly on species interactions in a changing climate, but also on the dispersal of species by native Americans.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series-At Downtown Buffalo & Erie County Public Library. Free to all. 12:30 - 1:00 P.M. "IMAGINE Lifelong Learning and Buffalo Niagara as a Bi-National Cultural & Nature Center: The Arts + STEM = STEAM" by Beth Tauke - Professor, UB School of Architecture & Planning. For 12-12:30 topic, visit <http://buffaloah.com/h/center/lib/15lec.html>

Growing Plants from Seeds- Linda Blyth, member of the Kenmore Garden Club and co-owner of Song n' Bird Gardens, will present a PowerPoint presentation on growing your own plants from seed at 10 a.m. at Kenmore United Methodist Church, 32 Landers Rd., Kenmore. She will discuss why you would want to grow your own plants from seed and how to do it. The talk and presentation, presented by the Kenmore Garden Club, is free and open to the public. For more information, visit the [Kenmore Garden Club website](#).

“Bringing the Outside In” -The Ken-Sheriton Garden Club will meet at 7:30 p.m. in St. Mark's Lutheran Church, 576 Delaware Rd., Kenmore. Babbidean Huber, National Garden Clubs landscape design consultant, will give a presentation on “Bringing the Outside Inside.” She will discuss the best and easiest trees, shrubs, perennials, bulbs and annuals to plant, cut and bring indoors to enjoy. A business meeting will follow. New members and guests are welcome. For club information call 836-0567.

ADK General Meeting-7:30 - 9:00 at 77 Washington Highway, Snyder Amherst Community Church
NOTE: Please park in rear and enter through back door. Program-John Gilewicz, President of the Adirondack Mountain Club.

PA Forest Stewardship Webinar: White-tailed-Deer- noon and 7 p.m. ET. This presentation will introduce you to white-tailed deer biology, habitat requirements for food, cover, water and space, and lastly management practices to improve food and cover availability and balance deer populations with available habitat. It is important to maintain "healthy" deer populations so they can be enjoyed by future generations. Presented by Dave Jackson, Natural Resources Extension Educator, Penn State Extension – Centre County. <https://meeting.psu.edu/paforestweb/>

Northeast Woody/Warm-Season Biomass Consortium Webinar: EcoWillow 2.0: Updated Economic Analysis of Shrub Willow Crops- 10, 1 p.m. ET. EcoWillow is a financial analysis tool for willow biomass crops originally developed by SUNY-ESF. This webinar will explain and demonstrate some of the new features, provide a brief tutorial, model several example crop production scenarios showing the impact of key variables on production costs and profitability, and answer questions about the model and its use. The EcoWillow 2.0 model is a free download at <http://www.esf.edu/willow/download.htm>. If possible, please download the model and supporting documentation and familiarize yourself with this information and the tutorial on the last tab of the model prior to the webinar. <https://meeting.psu.edu/bioenergy>

Penn State Extension Green Infrastructure Webinar Series: Green Infrastructure at Multiple Scales-noon ET. Presented by Ms. Karen Firehock, Executive Director, Green Infrastructure Center.
<https://meeting.psu.edu/pacomunityforestry>.

Wednesday, February 11

Buffalo Ornithological Society Meeting- 7:00 PM in the Cummings Room of the Buffalo Museum of Science. Dr. Robert DeLeon will report on the results of the May Count, Holly Sweeney will report on the results of the April Count.

“Coalition For Economic Justice (CEJ) Annual Meeting”-5:30 p.m. at United Way Of Buffalo & Erie County, 742 Delaware Avenue, Buffalo, NY. Come and learn about our bold agenda to win living wages for local workers, and promote worker equity and community benefits. We need your voice to help us win new victories and take on new challenges that will grow our collective movement. For more information or to RSVP, contact andy@cejbuffalo.org Event Page/RSVP: <http://tinyurl.com/kk5ek6h>

Environmental Educator Activity Exchange-10:00am-3:30pm at Reinstein Woods Nature Preserve, 93 Honoline Drive Depew, NY. 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. Socialize with other educators (experienced, as well as new to the field!) and swap strategies, stories, and your spirit for the outdoors and education! Please pre-register by **Friday, February 6th** by contacting 716-683-5959 x202 or kristen.rosenborg@dec.ny.gov and provide your name, title, organization, and phone number. Also submit your activity lesson plan and resources to be shared, by Sunday, February 8th. Be sure to specify if any particular materials are needed, what length of time is needed to show the activity (approximately 20-30 minutes), if you have a time preference, and whether the activity will be shared inside or outside. After the workshop, lesson plan PDF’s will be posted on NYSOEA.org under “Member Resources”. Although it is preferred if participants share an activity and attend the whole workshop, neither are required. Please bring your own lunch. Light refreshments will be offered and a suggested donation of \$5 per person is greatly appreciated which will go towards NYSOEA’s DEC Camper Scholarship Fund.

Part 212: Strategy Meeting- 5:30pm – 7:00pm at Clean Air Office - 52 Linwood Ave. Buffalo, NY 14209 ([map](#)). Join us to determine how Clean Air should comment on the Part 212 air pollution law changes.

Western New York Stormwater Coalition- 2:00 PM at the Julia Boyer Reinstein Library located at [1030 Losson Road, Cheektowaga, NY 14227](https://www.google.com/maps/place/1030+Losson+Road,+Cheektowaga,+NY+14227/@42.87111,-78.6171,15z). Every meeting is open to the public.

“Ecology, impact, and management of invasive species in Western NY”-Please join the Great Lakes Center for our GLC 600 Great Lakes Seminar series to be held from **4:30 to 5:45 p.m.** in the **Classroom Building, Room B220** at Buffalo State College. Andrea Locke, Coordinator of Western NY PRISM, will speak.

Thursday, February 12

“Extreme Energy Struggles Around The Great Lakes & Beyond”--7:00 to 9:00 p.m. at Burning Books, 420 Connecticut Street, Buffalo, NY 14213. Toban Black, co-editor of the new book “A Line In The Tar Sands: Struggles For Environmental Justice,” “A Line In The Tar Sands” will be speaking in Buffalo about extreme energy such as the Canadian tar sands and fracking in New York State and risks posed to the Great Lakes. Rita Yelda, local organizer for New Yorkers Against Fracking and Food & Water Watch will also be discussing the risks posed to the Great Lakes through fracking and next steps in the campaign to protect our state from extreme energy. <https://www.facebook.com/events/1510892729178091/?ref=22>

One Region Forward Community Congress- After three years of hard work and planning we’ll be celebrating our accomplishments while also looking to the future and next steps. One Region Forward’s Regional Plan for Sustainable Development entitled “A New Way to Plan for Buffalo Niagara” will be debuted at the event and will also be available on the website in February. 5:30-7:00PM – Buffalo & Erie County Central Library, 1 Lafayette Square, Buffalo, NY 14203. Info [here](#). The event is **FREE** and **OPEN TO THE PUBLIC** and will include hors d’oeuvres and a cash bar.

Wellness Walk at Tifft-10 am to noon. Drop by Tifft Nature Preserve and enjoy the fresh air and the sights and sounds of the season with a healthy outdoor walk! Offered Thursdays all year. \$2.00 per person donation appreciated. Please call 825-6397 to confirm walk will be taking place.

After-School Escape-4:30 PM at Reinstein Woods Nature Preserve, Depew. Enjoy a one-hour program for kids featuring a different, fun, outdoor activity each week. For kids in grades K through 5. No registration required.

Saturday, February 14

Sweetheart Cross-Country Ski Tour- 10:30 a.m. Enjoy an adults-only guided cross-country ski tour through the preserve. Ski rental \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

2nd Saturdays at the Foundry-12pm to 5pm at 298 Northampton St., Buffalo 14208. Come buy presents or shop for yourself, enjoy good food and live music, support LOCAL artists and artisans! Once every month (Second Saturday) at The Foundry. Food & Refreshments Art & Craft made by local artists and artisans Live Music. For info, email info@thefoundrybuffalo.org.

Lake Erie Ice Volcanoes!- 10am to noon.. Evangola State Park. Sculpted by wind, waves and snow the frozen surface of Lake Erie is a bizarre and twisted icescape that is constantly changing. Ice Volcanoes erupt and then freeze over leaving an ice surface of “inactive” cones, vents, mounds, ice caves and craters to discover! Take a guided walk to see these very unique Lake Erie ice formations! *For information and registration call (716) 549-1050.*

Valentine's Day Candle Lantern Walk-DeVeaux Woods State Park from 7 to 9pm. Bring your friends, your significant other or just yourself out for a fun-filled night. Sip some hot chocolate while making your own lantern then go and discover the night through folklore and star gazing. *For information and registration call (716) 282-5154.*

Boy Scout Wilderness Survival Merit Badge Workshop – 10am to 3pm at Beaver Meadow Audubon Center. Survival when you're lost requires preparation, understanding your priorities, fire and shelter building skills, signaling techniques, knowledge of basic first-aid and making clean water. We will teach you these skills to help you survive if ever you are lost. \$12 per scout. www.buffaloaudubon.org

Winter Tree ID - 10am to noon. Join John Sly, forestry expert and longtime BAS leader, as he demonstrates how to identify trees and bushes by examining bark, shape, branching and location, without relying on leaf shape. The hike will start at the Audubon Center with a display of tree twigs, followed by an outdoor hike and end back at the center for hot chocolate. \$5 www.buffaloaudubon.org

Starry Night Valentine Stroll- 6 to 7:30pm at Tifft. Grab your favorite someone and enjoy the crisp air while we watch the moon rise and stroll. We'll end by having hot chocolate in Tifft's cabin. (Snowshoe rentals additional \$2, weather permitting). For adults, \$6 per person. Call 825-6397.

Valentine's Hike or Snowshoe at Pfeiffer Center- 10am-Noon. Fall in love with a forest full of trees as you enjoy a guided outdoor trail hike to the NYS Champion Tupelo Tree in the Outdoor Living Museum. Hike is designed for all age levels. Use of snowshoes will be dependent upon conditions. Dress for the weather. Children must be accompanied by an adult. This guided adventure will take place at the [Lillibridge Preserve](#) and is free and open to the public. Donations gratefully accepted. Register by Noon, Thursday, February 12, 2015. [Register Today](#)

Wild About You-(An intimate dinner for two on Valentine's Day at the Buffalo Zoo). You and your special someone are invited to celebrate Valentine's Day at the Buffalo Zoo. Enjoy a candlelit dinner catered by Frontier Catering and be serenaded by a string duet, while surrounded by our exotic animal collection. For \$150 per couple, you will enjoy a three-course dinner for two, wine, entertainment, a special gift, and personal visits from Zoo animals. Tickets can be purchased online by [CLICKING HERE](#) or by calling 1-800-838-3006. Seating is limited. **You must 21 or older to attend.**

Sunday, February 15

Snowshoe Adventures- Evangola State Park from 1-3pm. Get out of your house this winter 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 the tracks and scat that animals leave behind, and the dens they depend on during our cold winter months. Snowshoes will be provided. *For information and registration call (716) 549-1050.*

Cross-Country Skiing at Knox Farm State Park- 1:00pm – 2:30pm at Knox Farm State Park, 437 Buffalo Road, East Aurora, NY 14052. Join us for a serene guided cross-country ski tour of the park. Bring your own skis and join us! Weather permitting. Call Buffalo Audubon at (585) 457-3228 to confirm. Donations.

Winter Photography Class-Presented by Kenn Morgan, professional photographer, from 1 to 3 p.m. in the conference room of the New [Charles E. Burchfield Nature & Art Center](#), 2001 Union Rd., West Seneca. Take your own camera. A portion of the class will be outdoors. The cost is \$5 payable the day of the class. Call 677-4843 to reserve a space.

Go Bike Classes: Drivetrain- Join us for hands on learning and discussion of different crank types, chain sizes, cassettes, freewheels, derailleurs and shifting in a bike. Classes at our Community Workshop (98 Colvin Ave.)! All classes are limited to 10 people and are a suggested donation of \$10; they will all be held from 6-8pm. **You MUST RSVP to save your spot.** Please email Stacy, stacy@gobikebuffalo.org or call (716) 320-0193.

Tuesday, February 17

Winter Scene Investigation Walk- 10 to 11:30 for ages 5+. Venture into the outdoors and discover the wonders of winter while looking for real clues of who's been hanging around Tifft Nature Preserve. (Snowshoe rentals additional \$2 per person, weather permitting). \$5, call 825-6397.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series-At Downtown Buffalo & Erie County Public Library. Free to all. 12:30 - 1:00 P.M. "IMAGINE a Healthy, Wealthy, and Sustainable Community: The Art of Investing Locally" by Jack F. Quinn Jr., President. Erie Community College. For 12-12:30 topic, visit <http://buffaloah.com/h:center/lib/15lec.html>

Plant we Eat Picnic-Noon to 2 p.m. at the Buffalo and Erie County Botanical Gardens, 2655 South Park Avenue, Buffalo. Explore and taste the different plants that people eat during this light lunch and fun learning experience for children ages 5 – 12. Pre-registration is required; space is limited to 30 kids. The cost is \$10 for Botanical Gardens members and \$12 for non-members. Dress for summer but be sure to wear a warm coat for when the group goes outside between buildings. Go [here](#) to register or call (716) 827-1584, ext. 291.

Winter Fat Tuesday- 1pm – 3pm at Beaver Meadow Audubon Center, 1610 Welch Road, North Java. Celebrate Fat Tuesday with us by exploring the preserve and learning about winter hibernators, deep sleepers and active animals. Make and take Mardi Gras mask activity with a nature theme too! \$5/\$3 BAS Members. www.buffaloaudubon.org

Wednesday, February 18

Learn to Cross-Country Ski- 10:30 a.m. Learn the basics of cross-country skiing before going on a short guided ski tour. Ski rental \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

New Moon Owl Prowl-7pm – 9pm at Buffalo Audubon Society, 1610 Welch Road, North Java. Join us for a nocturnal search for owls on the darkest night of the month. Registrants will also participate in an owl pellet dissection and learn about what our feathered friends dine on at night. \$5. www.buffaloaudubon.org

WNY Herpetological Society Meeting- 7pm at St. Peter's Episcopal Church. 205 Longmeadow Drive Eggertsville, NY 14226. Free and open to guests. <https://www.facebook.com/pages/WNY-Herp-Society-Reptile-Club/162571088569>

Thursday, February 19

Trackathon- 10:30 a.m. Compete to see who can find and identify the most animal tracks on this guided walk. For kids age 6 and up. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Polar Bites 2015-Put some FUN in your February at Polar Bites 2015! Enjoy a fantastic evening event, which benefits the Buffalo Zoo. Join us for some culinary delights, along with wines, brews and specialty services from some of the area's finest establishments. This wildly popular fundraiser will take place at the Buffalo Niagara Convention Center on Thursday, February 19th from 6:00 p.m. – 9:00 p.m. Enjoy a basket auction, silent auction and a visit with some of our animal ambassadors. Tickets are \$35 pre-sale and \$45 at the door. A limited number of \$75 VIP tickets, which will grant you early admission,a special edition wine glass and an exclusive VIP door prize entry, are available. [CLICK HERE](#) to get your tickets today! For more information call 716-995-6131. Limited tickets available. You must be 21 years or older to attend.

Wellness Walk at Tifft-10 am to noon. Drop by Tifft Nature Preserve and enjoy the fresh air and the sights and sounds of the season with a healthy outdoor walk! Offered Thursdays all year. \$2.00 per person donation appreciated. Please call 825-6397 to confirm walk will be taking place.

After-School Escape-4:30 PM at Reinstein Woods Nature Preserve, Depew. Enjoy a one-hour program for kids featuring a different, fun, outdoor activity each week. For kids in grades K through 5. No registration required.

2015 Erosion and Sediment Control Workshops- NYSDEC-endorsed 4-hour GP-0-10-001 Training. 4-hour Erosion and Sediment Control Workshops for Construction Site Contractors and Operators at the Erie County Emergency Services Training Facility in Cheektowaga. Registration fee is \$95.00 per attendee and includes refreshments and all training materials. Attendees must pre-register. Please contact Don Stribick at (716) 652-8480 to register for either of the workshops. [info](#)

WNY Home & Garden Expo-Find out about landscaping, pools & spas, decks, gazebos, fencing, lawn & garden equipment, patios, driveways, flooring, carpeting, furniture & more. Fairgrounds Event Center, 5820 South Park Ave., Hamburg. 2-8pm.

Green Development Zone (GDZ) Tour-8:00 AM - 9:00 AM. Get an up close and personal look at PUSH Buffalo's community work by joining us on one of our hour long walking tours. Please contact Rahwa Ghirmatzion to RSVP at rahwa@pushbuffalo.org or 716-882-2672.

Friday, February 20

Track and Scat Snowshoe Walk-11:00 a.m. Come investigate our trails for animal tracks and scat, and learn about wildlife living in the woods. Snowshoe fee \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

WNY Home & Garden Expo-Find out about landscaping, pools & spas, decks, gazebos, fencing, lawn & garden equipment, patios, driveways, flooring, carpeting, furniture & more. Fairgrounds Event Center, 5820 South Park Ave., Hamburg. 10 a.m. to 8 p.m.

WNY Environmental Alliance Transportation Working Group/ Complete Streets Coalition - 10am in room 502 city hall.

Saturday, February 21

Frozen Forest Snowshoe Walk- 10:30 a.m. Explore the beauty of winter woods on this guided walk. Snowshoe fee \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Birding 101 - Class 2- 2:30 p.m. Join us for a bird identification adventure. This program will help you identify birds by sight and sound. For adults and kids ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Nature Tour on Skis!-Evangola State Park from 10am to noon. Cross-country skiing is a wonderful way to enjoy winter and can be done at nearby parks without a long drive. Learn how to cross-country ski or improve your technique as we ski Evangola's wooded and lakeside trails on this cooperative program led by the Buffalo Nordic Ski Club and the New York State Parks. *For information and registration call (716) 549-1050.*

Junior Audubon Club- 3pm – 6pm at Lockport Public Library, 23 East Avenue, Lockport, NY 14094. Join Buffalo Audubon Society Naturalist Tom Kerr and the Lockport Public Library for our Monthly Birding Adventure! Kids will learn about Owls and other Birds of Prey that spend their winter in Niagara County. Each kid will get their own owl pellet to dissect, and then we will head outside to search for Short-eared and Snowy Owls along local farms and fields. Kids ages 8 to 16. Call 585-457-3228 to register. Families are welcome! A short intro to binoculars will be conducted for newcomers. Binoculars are provided. Participants must provide their own transportation.

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

Wildlife Tracking and Snowshoeing- 10:00am – 12:30pm at the Chaffee Preserve. A moderately challenging hike through mature forests with a focus on the arts and science of wildlife tracking. Snowshoes will be provided. Free. www.earthspiritedu.org.

Horticulture III Class: Sustainable Landscaping - The Buffalo and Erie County Botanical Gardens, 11am-1pm with David Clark. Register and prepay [here](#). Series cost \$120, \$27 for each class/if space is available.

Genetically Modified Organisms Workshop-10:00 am - 11:30 am at Urban Roots Garden Center, 428 Rhode Island Street, Buffalo, 14213. RSVP online here: <http://www.grassrootsgardens.org/workshop-calendar.html>. This week Richard Price will lead the Gardeners Give and Take conversation on Genetically Modified Organisms (GMOs).

Fairy Gardening Workshop-3:00 pm - 4:30 pm at Urban Roots Garden Center, 428 Rhode Island Street, Buffalo, 14213. RSVP online here: <http://www.grassrootsgardens.org/workshop-calendar.html>. Learn about building a fairy gardening with David Clark. Presenter: David Clark With a degree in Floriculture from S.U.N.Y Cobleskill, David has been a multi-talented Floral Designer, Event Director, and successful wholesale florist, with over 30 years experience in the Ornamental Horticulture Industry. He is the Horticulture Instructor at The Buffalo and Erie County Botanical Gardens in Buffalo, New York and a visiting horticulture instructor at Phipps Conservatory and Botanical Gardens in Pittsburgh, Pennsylvania.

WNY Home & Garden Expo-Find out about landscaping, pools & spas, decks, gazebos, fencing, lawn & garden equipment, patios, driveways, flooring, carpeting, furniture & more. Fairgrounds Event Center, 5820 South Park Ave., Hamburg. 10 a.m. to 8 p.m.

PUSH Monthly Meeting-Come learn about the work that PUSH Buffalo is doing and how you can get involved. We're meeting at The Center On Grant, **271 Grant St** in Buffalo NY. The meeting starts at **3PM**.

Sunday, February 22

Erie Ice Sculptures!- 10am to noon. Evangola State Park. Last chance in 2015 to take a guided walk to see the amazing nature-designed icescape sculptures on Lake Erie! *For information and registration call (716)549-1050.*

Niagara's Nature-Reservoir State Park from 11:30am-3:30pm. If you are at the park sledding or ice skating stop in the warming pavilion to learn about some of the wildlife found in the Niagara Region. If winter activities are not available due to weather conditions then the display will not be available. *For information call (716)282-5154.*

Kids Tropical Terrarium Workshop- 2:00pm – 3:30pm at Beaver Meadow Audubon Center, 1610 Welch Road, North Java. Beat that post-holiday cabin fever by bringing the kids in for an all-inclusive open terrarium workshop! This class provides a short lesson followed by a fun and exciting terrarium building hands-on activity. Kids of all ages are welcome but the workshop is best suited for kids ages 8 and up. Cost: \$25 (\$10 class, \$15 materials). Pre-registration required. www.buffaloaudubon.org

WNY Home & Garden Expo-Find out about landscaping, pools & spas, decks, gazebos, fencing, lawn & garden equipment, patios, driveways, flooring, carpeting, furniture & more. Fairgrounds Event Center, 5820 South Park Ave., Hamburg. 11 a.m. to 5 p.m.

Go Bike Classes: Fix a Flat- Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss different types of punctures as well as flat prevention. Classes at our Community Workshop (98 Colvin Ave.)! All classes are limited to 10 people and are a suggested donation of \$10; they will all be held from 6-8pm. **You MUST RSVP to save your spot.** Please email Stacy, stacy@gobikebuffalo.org or call (716) 320-0193.

Field Trip: Dunkirk Harbor- Buffalo Ornithological Society trip to see waterfowl. Meet at Dunkirk Harbor Pier at 9:00 AM. Exit the I-90 at Dunkirk and turn right onto Route 60. After about 3 miles turn left on Route 5. After about 1/4 mile turn right to Dunkirk Pier. Leader: Gale VerHague: novembergale@gmail.com or 716-698-5333.

Monday, February 23

Clean Air Coalition Member Monday - 4pm – 6pm at 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, February 24

Sierra Club Meeting-Join others with the Niagara Sierra Club for their monthly meeting at 7pm at Room 252 Duns Scotus Hall, Daemen College. Visit www.daemen.edu/maps for directions.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series-At Downtown Buffalo & Erie County Public Library. Free to all. 12:30 - 1:00 P.M. "IMAGINE Lifelong Learning and Buffalo Niagara as a Bi-National Cultural & Nature Center: The Arts + STEM = STEAM" by Jajean Rose-Burney, WNY Land Conservancy. For 12-12:30 topic, visit <http://buffaloah.com/h:center/lib/15lec.html>

Wednesday, February 25

"Insects and the Diseases They Can Cause" – Roger Tory Peterson Institute in Jamestown hosts Jamie Haight from the New York State Health Department. He will present a program on “Insects and the Diseases They Can Cause” at 6:00PM here at RTPI. See more information [on our Speaker Series page](#). This event is free and open to the public.

Water Resources Webinar: Tools for Adjusting Irrigation Water pH and Alkalinity- 12 – 1 p.m. ET. Presented by Amy Galford and Steve Bogash, Penn State Extension. <https://meeting.psu.edu/water1>

Penn State Extension Green Infrastructure Webinar Series: Using iTree Hydro- noon ET. Presented by David J. Nowak, Ph.D., Project Leader, Urban Forests, Human Health & Environmental Health, USDA Forest Service. <https://meeting.psu.edu/pacommunityforestry>

Thursday, February 26

Wellness Walk at Tifft-10 am to noon. Drop by Tifft Nature Preserve and enjoy the fresh air and the sights and sounds of the season with a healthy outdoor walk! Offered Thursdays all year. \$2.00 per person donation appreciated. Please call 825-6397 to confirm walk will be taking place.

After-School Escape-4:30 PM at Reinstein Woods Nature Preserve, Depew. Enjoy a one-hour program featuring a different, fun, outdoor activity each week. For kids in grades K-5. No registration required.

“Meteorites: What are they? Where are they from?”- 7 PM in the auditorium of the Gateway Executive Office building. 3556 Lake Shore Road, Blasdell, New York 14219. Talk by Scott Mckenzie, Mercyhurst College. Meteorites have been found in the Western New York area and more are on the ground awaiting discovery. This talk will show you real meteorites to prepare you to recognize meteorites on the ground. The talk will be illustrated and presented for people of all ages. \$5/person, Penn Dixie Members free. Call 627-4560 for info. If you have any rocks which you may think are a meteorite, bring them to the presentation for Scott to identify.

Friday, February 27

Social Enterprise Business Workshops-1 to 2pm at Cleveland Hall 205, SUNY Buffalo State, 1300 Elmwood Ave, Buffalo, NY 14222. Does your business have a social mission? Measure What Matters Using the Quick Impact Assessment. The SBDC at SUNY Buffalo State is proud to introduce the BALLE Quick Impact Assessment, a free online tool to help you improve your social and environmental impact, and begin to “measure what matters.” Request a free parking permit when you register. Free and open to the public. To register, contact Andrew Delmonte, Social Enterprise Coordinator, at (716) 878-4030 or email delmonas@buffalostate.edu.

Saturday, February 28

Snowbirds Snowshoe Walk- 10:30 a.m. Search for our winter resident birds and early spring migrants on a guided walk. Snowshoe fee \$5/person, \$2 Friends of Reinstein members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Birding on the River-Beaver Island & Buckhorn Island State Parks from 10am to 1pm. Join us as we search for migratory waterfowl and other wintering birds found along the shores of the Niagara River. We will visit the lagoon overlook as well as a few of the many viewing areas you will find in our state parks on Grand Island. *For information and registration call (716) 282-5154.*

Terrariums and Aeriums Workshop- 3- 4:30 pm at Urban Roots Garden Center, 428 Rhode Island Street, Buffalo, 14213. RSVP online here: <http://www.grassrootsgardens.org/workshop-calendar.html>. Learn about building terrariums and aeriums with David Clark. Presenter: David Clark With a degree in Floriculture from S.U.N.Y Cobleskill, David has been a multi-talented Floral Designer, Event Director, and successful wholesale florist, with over 30 years experience in the Ornamental Horticulture Industry. He is the Horticulture Instructor at The Buffalo and Erie County Botanical Gardens in Buffalo, New York and a visiting horticulture instructor at Phipps Conservatory and Botanical Gardens in Pittsburgh, Pennsylvania.

Hummingbirds at Home- 1pm – 3pm at Beaver Meadow Audubon Center, 1610 Welch Road, North Java, NY. There is a growing mismatch between flowering times and the arrival of hummingbirds in their breeding areas and we don’t know how this is going to impact hummingbirds. Hummingbirds at Home collects data on how hummingbirds interact with nectar sources so that we can begin to understand – the first step towards ensuring the survival of these miraculous birds in the face of climate change. Join us inside the Beaver Meadow Audubon Center and learn more about hummingbirds of the world and ways that you can contribute to National Audubon’s Hummingbirds at Home Citizen Science program. FREE.

Horticulture IV Class: Gardening for Wildlife - The Buffalo and Erie County Botanical Gardens, 11am-1pm with David Clark. Register and prepay [here](#). Series cost \$120, \$27 for each class/if space is available.

Sunday, March 1

Go Bike Classes: DIY Fenders- Is the winter slush or spring rain leaving you feeling a bit damp? We will teach you how to make your own fenders out of recycled materials. Classes at our Community Workshop (98 Colvin Ave.)! All classes are limited to 10 people and are a suggested donation of \$10; they will all be held from 6-8pm. **You MUST RSVP to save your spot. Please email Stacy, stacy@gobikebuffalo.org or call (716) 320-0193.**

Tips for the Environment:

1. **Air dry your dishes**- If you use an automatic dishwasher, you can save about 15% of the energy used by your dishwasher with the air dry feature instead of using a heated dry cycle. This also prevents any remaining food particles from being baked on.
2. **Make your own cleaning wipes**-Do you like to have a container of moist wipes around? You can make your own with vinegar and liquid dish soap and a modified coffee can. Not only will you save money, but you will be using an environmentally-friendly solution. Check out the steps [here](#).
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. So let's reuse and recycle-you can check the list of tips from the first Enviro-News in January 2006 (check for any missed at [econews](#)). If you have tips to share, please send them to me to include.

February's Contribution by Lesley Haynes: Remember the 4 R's: Reduce, Reuse, Recycle, Repair

On February 14th St. Valentine's Day is celebrated in many countries around the world. The date was first associated with [romantic love](#) in the [Middle Ages](#) then in 18th century England it evolved into an occasion when sweethearts expressed their love for each other by presenting flowers, offering chocolates, and sending [greeting cards](#) known as "valentines".

Statistics state that the average annual Valentine's Day spending in the United States is \$14 billion; \$403 million are spent on flowers, over 36 million heart-shaped boxes of chocolate are sold and \$180 million on cards are purchased annually. What does that have to do with Going Green? It can have a substantial impact on the environment. For example, one billion cards laid end to end would stretch around the world 5 times! That's a lot of trees.

Think green this Valentine's Day. Buy local if you are going to do some gift shopping or eating out. Why not support a local business instead of a big chain store?

If Valentine's Day is an important day for you or the one you love; then you can also show some extra love for the environment by carefully considering what you buy. Here are some ideas:

- Look for cards made from recycled [paper](#). An old-fashioned homemade Valentine can be far more meaningful than something you find in a store, or you could write a hand-written letter or poem, create a list of all the things you love about the person. Your partners, children, parents and friends will appreciate the extra thought and personal touch much more.
- *DO NOT send an e-card or an email; it will not be appreciated.*
- If your children are obligated to give a Valentine's Day card to every child in their classroom, help them make their own out of recycled paper.
- Buy the person a gift certificate for holistic therapies, massage, yoga, or a health spa.
- Instead of cut flowers choose potted plants and purchase organic or local whenever possible, your gift will last much longer.
- Do something extra nice. Maybe it's making dinner for your mother, phone that friend you haven't heard from in a long time, let them know that you are thinking of them as that is what this day should really be all about.
- A homemade meal is a great alternative to eating out. The effort you put in will be sure to impress!
- Something unique: Plant a tree together to symbolize your relationship's strength and endurance. Place a list of all the things you love about each other under its roots.

- If you choose to buy perfume, use caution – hidden behind many popular, pleasant scents are many chemicals linked to hormone disruption, reproductive problems, and even cancer. READ THE LABELS. Seek out natural fragrances, you will be showing you not only care for the environment, but the person's health.

However you celebrate the day, see if you can to avoid the commercialism.

Why go green? It's simply the right thing to do! Being intentionally eco-friendly has more to do with celebrating God's creativity, being wise with what He's given us, and passing on those values to the next generation. I am not suggesting that you become frugal especially when you are about to propose to your intended - enjoy celebrating a holiday that's all about love. An unexpected kindness is more than enough to show your love how much you care.

Remember "Together we can make a difference".

Happy Valentine's Day to you!

Lesley Haynes: peacesojourner@yahoo.com

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.

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-ctr/>.

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 Nancy Kalieta at 827-1584 ext. 207 or nkalieta@buffalogardens.com.

Buffalo Junior Solar Sprint-If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the Leadership committee, please contact jssbuffalo@yahoo.com.

Buffalo Museum of Science has volunteer and internship opportunities available for teens, college students and adults. For information, contact Monika McFoy, Director of Community Programs, at 896-5200, ext. 343.

Buffalo Niagara Riverkeeper- <http://bnriverkeeper.org/get-involved/volunteer/> for opportunities.

Buffalo ReUse can use volunteers for many things including fundraising, graphic design, building salvage and material pickups. Join them for their fun Saturdays. To help, contact them at volunteer@buffaloreuse.org.

Clean Air Coalition of WNY-Help with mailings, phone calls, canvassing and Photovoice (documenting environmental challenges). To help, contact at 852-3813 or www.cacwny.org.

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

Garden Walk Buffalo helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com.

Go Bike Buffalo- If you're interested or want more information, feel free to contact Tivona Renoni at tivona@gobikebuffalo.org.

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-0740 or volunteer@habitatbuffalo.org.

Hawk Creek Wildlife Center is seeking volunteers for who would like to work with wildlife. 16 years or older. Call 716-652-8646. Email info@hawkcreek.org.

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Programs include: birding field trips, scope watches, owl prowls, canoe trips, hands on activities, and guest speakers. Please contact Garner Light at 772-5110 or glight@rochester.rr.com for more information.

Junior Solar Sprint Buffalo- If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the leadership committee, please contact jssbuffalo@yahoo.com

Lead Safe Erie County needs volunteers to help paint houses and prevent lead poisoning. For those who are interested, there is also free training for Lead Safe Work Practices Certification. Service learning students, block clubs and others are welcome. Call Mary at 716-833-2929, ext. 117.

Massachusetts Avenue Project needs volunteers from the 1st week in April through Octoberon Saturdays from 10-1 PM. Anyone is welcome to come by the farm, pitch in and help on a project, or even just stroll around and check out what's growing. <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. Remember that families with children are always welcome with parental supervision.

Preservation Buffalo Niagara-Interns & volunteers welcome. www.preservationbuffalonagara.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.

Tifft Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. Call 662-1342 or email tifftfriends@yahoo.com.

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

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

<http://www.exploreyny.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/>

Additional local blogs and websites-

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

Buffalo Niagara Gardening - <http://www.buffalo-niagaragardening.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/>

Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.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://hhkcbuffalo.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

All about Nature- <http://www.meetup.com/All-About-Nature-in-WNY/>

Black Dog Rescue- www.blackdogsecondchance.org

Peace Weavers- <http://peaceweavers.org/>

Eco-Island Nature Center- www.k12.ginet.org/resources.cfm?subpage=6518

NY Sport Fishing- <http://www.fishny.com/>

Erie Canal Trailway- <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/>

Green Jobs, Internships and Opportunities

Environmental Internships-<http://environmentalinterns.ncseonline.org/>

Green Careers-<http://www.greencareersny.com/>

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

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/

www.grantstation.com

www.grantwatch.com

www.grantwrangler.com

www.grantsalert.com

<http://www.glrppr.org/funding/>

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

Arden Farm- <http://theardenfarm.com/>

Becker Farms- <http://www.beckerfarms.com/csa>

Busti Cider Mill- www.busticidermill.com

Canticle Farms-<http://www.canticlefarm.org>

Chicken Worth Eating-<http://www.chickenwortheating.com>

Erie County Farmers' Markets- <http://www.agriculture.ny.gov/AP/CommunityFarmersMarkets.asp#Erie%20County>

Falkimmer Farms- <http://falkimmerfarms.com>

Farmer Pirates-<http://www.farmerpirates.com>

Farmers and Artisans- <http://farmersandartisans.com>

Farmthisway CSA - <http://www.farmthisway.com>

Fenton's Produce- www.fentonsproduce.com

First Light Farm and Creamery- <http://www.first-light-farm.com>

Five Loaves Farm- Kauffman.m@gmail.com

Flavor Farm- www.flavor-farm.com

Green Heron Growers- <http://www.greenherongrowers.com>

Good Food Farm- www.goodfoodfarm.blogspot.com

Harvest Patch- <http://www.harvestpatch.com>

McCollum Orchards- <http://www.oldfarmnewlife.com>

Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com>

Native Offerings- <http://nativeofferings.com>

Niagara Malt- 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/
Reigle's on theRidge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>
Roots & Wings Family Farm- <http://www.rootsandwingsfamilyfarm.com>
Root Down- www.therootdownfarm.com
Sinemus Farms- <http://www.sinemusfarms.com/>
Singer Farms Naturals-www.singerfarmnaturals.com
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
T-Meadow Farms- www.heritagebreedsusa.com/TMeadow.html
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 Tourism promoting Sustainability

Buffalo Bites Food Tours- <http://www.buffalobitesfoodtours.com/>

Buffalo Tours- <http://www.preservationbuffaloniagara.org/buffalo-tours/>

Niagara Wine Trail - <http://www.niagarawinetrail.org/>

Recycling, Reuse, Disposal, Green Cleaning Options:

(also check <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, www.operationpaperback.org

Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.

Bras- www.donateyourbra.com, www.brarecycling.us

Building materials- www.buffaloreuse.org

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, American Eagle Outfitters

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

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

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

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, most electronics stores, www.sunnking.com

City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.

Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.

Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations

Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.

Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)

Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>

Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>

Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>

Hazardous Household materials- <http://www.hazmanusa.com>

Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600

Ink cartridges-RecyclePlace.com and most manufacturers

Mattresses- <http://www.triadrecycle.com/mattress.html>

Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf

Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=node-disposal-amp-access>

Packaging Materials (bubble wrap, peanuts)-UPS Store

Pantyhose/tights- NoNonsense.com/PantyhoseRecycling.aspx

Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Recycling A to Z - [realsimple](#)
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- <http://www.world.org/weo/recycle>
Water filters-Brita partners with preserveproducts.com/recycling
Yoga mats- 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](#)

Miscellaneous:

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>
Buffalo Relocation and Self-Promotion <http://www.wherelifeleads.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

<http://adk-nfc.org/>

Allegany Nature Pilgrimage

<http://alleganynaturepilgrimage.com/>

Alliance for the Great Lakes

www.greatlakes.org

American Planning Association-WNY Section/Upstate

www.wnyapa.com

Amherst Greenways

<http://Amherstgreenways.org>

Amherst State Park Arboretum

<http://www.amherststatepark.org/ASP>Welcome.html>

Animal Advocates of Western New York

<https://www.facebook.com/aaofwny>

Aquarium of Niagara

www.aquariumofniagara.org

Artfarms

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

AWARE-Assoc. for Wild Animal Rehabilitation & Education

<https://www.facebook.com/AWAREWildlife>

Bergen Swamp Preservation Society

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

Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Audubon Society/Beaver Meadow Nature Center Volunteer Day every Wed. 10am-2pm at Beaver Meadow	www.buffaloaudubon.org
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Astronomical Association	http://www.buffaloastronomy.com/
Buffalo Brownfields Opportunities Areas	http://buffalobrownfieldopportunities.com/
Buffalo Citybration	http://citybration.com/
Buffalo Complete Streets	http://buffalocompletestreets.org/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo First	www.buffalofirst.org/
Buffalo Geological Society Meetings 7:30pm, first Fri. Oct-April, Parkside Lutheran	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo in Bloom	www.buffaloinbloom.com/
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Microparks	http://www.buffalomicroparks.com/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Riverkeeper	www.bnriverkeeper.org/
Buffalo Niagara 2050 Transportation	www.buffaloniagara2050.com
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteering.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalesociety.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/

Buffalo Urban Outdoor Education	www.buoe.org
Buffalo Zoo	www.buffalozoo.org
Cabelas	http://www.cabelas.com/stores/store_info.jsp?pageName=058#events
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens' Environmental Coalition	www.cestoxic.org/index.html
Citizens for Regional Transit	www.citizenstransit.org/
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	http://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Community Action Organization of Erie County	http://www.capec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	https://chautauquacce.shutterfly.com/
Cornell Cooperative Extension for Erie County	http://counties.cce.cornell.edu/erie/
Cornell Cooperative Extension for Niagara County	http://counties.cce.cornell.edu/niagara/
Daemen College Center for Sustainable Communities	www.daemen.edu/academics/centersinitiatives/CSCCE
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	http://www.d2ls.org/
Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Justice Action Group of Western New York	http://weact.org/Coalitions/tabid/182/Default.aspx
Environmental Protection Agency Local Office (716) 551-4410	http://www2.epa.gov/aboutepa/epa-region-2

Erie Canal Harbor Development <http://www.eriecanalharbor.com/>

Erie County Community College Going Green <http://eccgoinggreen.ecc.edu/index.html>

Erie County Conservation Society <http://eccs-club.org/>

Erie County Department of Environment and Planning <http://www.erie.gov/environment/>

Erie County Environment Management Council <http://www2.erie.gov/environment/>

Erie County Farm Bureau <http://www.ecfarm.com/>

Erie County Federation of Sportsmen's Clubs <http://www.eriectyfsc.org/>

Erie County Parks and Recreation <http://www.erie.gov/parks>

Erie County Soil and Water Conservation www.ecswcd.org/

Evergreen-Buffalo State College www.buffalostate.edu/orgs/evergreen

Excalibur Leisure Skills <http://excaliburls.org>

Explore Buffalo www.explorebuffalo.org

Field and Fork Network <http://fieldandforknetwork.com/>

First Hand Learning www.firsthandlearning.org

Food is our Medicine Project www.foodisourmedicine.org/

Food Policy Council of Buffalo & Erie County <http://hkcbuffalo.org/>

For A Clean Tonawanda Site www.factsofwny.com/

Foundry <http://thefoundrybuffalo.org/>

Friends of the Iroquois National Wildlife Refuge <http://www.friendsofiroquoisnwr.org/>

Friends of Times Beach Nature Preserve <http://www.friendsoftimesbeachnp.org/>

Foothills Trail Club www.foothillstrailclub.org

Gander Mountain Store (seminar listings) <http://www.gandermountain.com/store-locator/>

Garden Clubs of WNY www.gardenclubsofwny.com

Garden Walk Buffalo <http://gardenwalkbuffalo.com/>

Genesee County Nature Center	www.gcv.org
Go Bike Buffalo	http://gobikebuffalo.org/
Good Going WNY	www.goodgoingwny.com
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrc.org/
Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://www.buffalostate.edu/greatlakescenter
Great Lakes Experience	http://www.thegreatlakesexperience.org
Green Development Zone	http://greendevelopmentzone.org/
Green WNY	http://greenwny.com/
Groundwork Buffalo	http://www.groundworkbuffalo.org/
Habitat for Humanity Buffalo Intro to Volunteering 9am-3 rd Saturday each month	http://www.habitatbuffalo.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	www.jamestownaudubon.org
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
Lake Erie Forum	http://www.lakeerieforum.org/
Lake Erie Seaway Trail Center	http://lakeerieseawaytrail.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Learning Sustainability Campaign	http://www.learningsustainability.com/
Local Initiatives Support Corporation	http://www.buffalolisc.org

Maddie's Pet Rescue Project	http://www.maddieseriecounty.org/
Massachusetts Avenue Project	http://mass-ave.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
National Buffalo Garden Festival	http://www.nationalgardenfestival.com
Nature Conservancy-Central and Western New York Chapter	http://Nature.org/centralwestern
Nature Ed-Ventures	www.natureed-ventures.com
Nature Sanctuary of Western New York	http://nsswny.org/
Net+Positive	www.netpositivefoundation.org
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	http://www.newyorkipl.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysaccny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	www.nysparks.com
New York State Sea Grant	http://www.seagrant.sunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
New York State Sustainable Agriculture Working Group	http://www.ny-sawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York State Wetlands Forum	http://www.wetlandsforum.org

Niagara County Farm Bureau	http://niagarafb.org/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafrontierbotanicalsociety.org/niagara-frontier-botanical-society/home
Niagara Frontier Wildlife Habitat Council	http://www.nfwhc.org/
Niagara Heritage Partnership	http://www.niagaraheritage.org/
Niagara Restoration Council	http://www.niagararestoration.org/
Niagara River Anglers Association	http://www.niagarariveranglers.com
Niagara River Greenway Commission	www.niagaragreenway.org
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Penn Dixie Paleontological and Outdoor Education Center Open Sat. 9am-4pm May-Oct. for fossil collecting	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
Renew Erie County	http://reneweriecounty.org/

ReNU Niagara	http://www.niagara.edu/renu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Roger Tory Peterson Institute	www.rtpi.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://newyork.sierraclub.org/Niagara
Slow Food Buffalo Niagara	http://www.slowfoodbuffaloniagara.org/
South Buffalo Alive	http://www.southbuffaloalive.com/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainable Earth Solutions	www.sustainableearthsolutions.com
Tifft Nature Preserve	www.sciencebuff.org/tifft_nature_preserve.php
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Student Association Environmental Affairs	http://www.sa.buffalo.edu/environmental
UB Engineers for a Sustainable World	http://www.eng.buffalo.edu/esw
UB ERIE Program	http://www.erie.buffalo.edu/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
UnwasteNY	http://www.unwasteny.org
Urban Land Institute	http://newyork.ulи.org/regional/
Urban Roots	www.urbanroots.org/

US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Voice-Buffalo	http://www.voice-buffalo.org/index.html
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	http://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
Western New York Science Congress	http://wnysc.org/
Western New York Service Learning Coalition	www.wnyslc.org
Western New York Stormwater Coalition	www.erie.gov/stormwater
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	www.wnysea.com
West Side Ministries	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Ones, Native Plants and Natural Landscapes	http://www.wildonesniagara.org/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	http://www.buffalowind.org
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/

