

Enviro-News

November, 2016

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

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Articles:

Help GObike Buffalo Win \$25,000 to Support Recycle-a-Bicycle!

GObike Buffalo has been selected to compete for a \$25,000 grant from the State Farm® Youth Advisory Board. The organization with the highest number of online votes will receive the award. To vote, go to [here](#) and vote up to ten times a day through **November 4**. The grant would support GObike Buffalo's Recycle-A-Bicycle program for Buffalo Public School students. Through the program, students receive a donated bicycle and learn how to strip it down and reassemble it, making modifications as needed and with all necessary safety equipment. Students learn bicycle mechanics as well as problem solving, and ultimately earn the bicycle they built for themselves. They will also establish a youth bicycle club for the school district to encourage bicycling as a healthy and environmentally responsible transportation option, and to help sustain enthusiasm for biking throughout Buffalo schools.

Wine Tasting and Art Show to Benefit Reinstein Woods

Friends of Reinstein Woods invite the public to "Nature's Gathering: An Evening of Art, Wine and Cheese," on **Saturday, November 12, 2016** from 5:00 p.m. to 8:00 p.m. at the Father Justin Knights of Columbus Hall, 2735 Union Road, Cheektowaga. The event will raise funds to support environmental education programs Reinstein Woods performs in the community and at the Nature Preserve. Participants will enjoy a wine tasting from several area wineries while a local musician provides atmosphere. More than 25 Western New York artisans will display their nature-themed artwork and specialty items. Tickets are \$15 in advance or \$20 at the door. Tickets can be purchased at the Reinstein Woods Environmental Education Center, 93 Honorine Drive, Cheektowaga. Tickets may be purchased online at <http://reinsteinwoods.org/events/>. For more information, call 716-683-5959.

Wildlife Rehabilitation Course

Learn how to lend a helping hand and provide proper emergency stabilizing treatment to injured, orphaned, and distressed wildlife living in your community. Hawk Creek Wildlife Center's Wildlife Rehabilitation Course is an intensive eight hour learning experience offered to the public on **November 12 and 13, 2016** from 12:00 to 4:00pm. This course is taught by licensed wildlife rehabilitators sharing 30 years of real-life experience and up-to-date technical information. The course is open to adults, age sixteen or older, who are preparing to take the NYSDEC wildlife rehabilitation exam or are just interested in expanding their knowledge. Pre-registration is required. Cost is \$100 per person. To register, please visit [online store](#) or call 716-652-8646.

Buffalo Green Code Public Hearings

The Buffalo Common Council has scheduled two public hearings for consideration of the Buffalo Green Code, including the adoption of the Unified Development Ordinance. The public hearings are scheduled for **November 14** at 6pm and **November 22** at 2pm in the Common Council Chambers, 13th Floor of City Hall. The revised Unified Development Ordinance is available [here](#).

State Electronics Challenge- Earn Awards for your Organization

The State Electronics Challenge is a free program that can assist your organization as it implements best management practices in sustainable electronics. An integral part of the Challenge is our annual awards program that allows you to boast about your accomplishments, including steps you took before participating in the Challenge. The program is open to local, regional, tribal, and state governments, public and private K-12 schools, colleges and universities, and non-profit organizations. Participants receive access to free technical assistance and tools in support of their efforts to decrease the environmental impact of electronic equipment. The Challenge also documents your successes with a customized sustainability report that tallies reductions in energy use, greenhouse gases, and waste. To learn more, join us for the next introductory webinar: **Tuesday, November 15**, 3 – 4 p.m., eastern. Register now: <https://attendee.gotowebinar.com/register/5506286439694195201>

Hemlock Woolly Adelgid Training

Roger Tory Peterson Institute (RTPI), in partnership with Jamestown Community College and Chautauqua Watershed Conservancy, is currently planning a Hemlock Woolly Adelgid (HWA) Training and subsequent surveys throughout the Southern Tier this winter. Join RTPI on **Thursday, December 8** at 6pm for a HWA Citizen Scientist Survey Training. More information on this and planned surveys can be found at www.rtpi.org.

Outer Harbor Plans

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

Public Comment Period for Draft Renewal of MS4 General Permit

The draft renewal of the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4) (GP-0-17-002), Fact Sheet and supporting documents are [available for public review](#). When final, GP-0-17-002 will replace the current MS4 General Permit, GP-0-15-003, which is due to expire on April 30, 2017. GP-0-17-002 will be effective for a five year term and will cover discharges of stormwater to surface waters of the State from small MS4s. Written comments must be submitted by close of business on **December 2, 2016**.

Reuse Action Needs your Reusable Materials

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

Wind and Solar Simulations for Global Availability

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

Free Energy Audits for Small Businesses and Non-Profits

Small businesses and non-profits that have 10 full time employees or less and an average annual electric demand of less than 100 kW are eligible for a free energy audit through the NYSERDA Small Commercial Energy Efficiency Program (SCEEP). Following a site visit to assess your facility, you will receive a report showing identified energy savings measures, estimated energy savings, estimated cost savings, and the costs to install the measures. This info can help you make informed decisions about implementing energy efficiency improvements. NYSERDA SCEEP energy audits are provided in Western New York, the Genesee-Finger Lakes Region and the Southern Tier by C.J. Brown Energy. For more information or for assistance in completing an application, contact Lisa Grabenstatter, C.J. Brown Energy's Energy Program Administrator, at (716) 565-9190 or lag@cjbrownenergy.com.

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

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

Green Infrastructure and Climate Change

EPA released “[Green Infrastructure and Climate Change: Collaborating to Improve Community Resiliency](#)”. As different parts of the country become drier, wetter or hotter, community leaders and citizens are looking to green infrastructure to improve their community’s resiliency to the effects of climate change. In 2015, EPA convened charrettes, or intensive planning sessions, in four cities to demonstrate how this type of planning could be applied to communities dealing with a range of challenges. Each city’s charrette focused on different issues based on the most pressing climate change impacts they were facing and their current level of green infrastructure implementation. This publication summarizes those issues and the recommendations developed by each charrette.

Tool for Sourcing Local Meat

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

We Are NY Video Series

To celebrate the 50th anniversary of the National Historic Preservation Act on 1966, the New York State Office of Parks, Recreation and Historic Preservation created a series of short videos featuring personal stories about historic places, including [Elmwood Village in Buffalo](#), [Rock Island Lighthouse State Park in the Thousand Islands region](#) and the [Underground Railroad History Project in Albany](#). Each video captures the strong emotional connections that New Yorkers have to their hometowns and heritage.

Food not Bombs

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

Hemlock Woolly Adelgid Educational Video

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State’s hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit [here](http://www.youtube.com/watch?v=AupnMjYa10Q). View video at <https://www.youtube.com/watch?v=AupnMjYa10Q>

Change Food Video Library

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

USDA Toolkit to Assess Economic Impact of Local Foods

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

Launch of the Bats for the Future Fund: Slow the Spread of White-Nose Syndrome

The U.S. Fish and Wildlife Service (USFWS) and the National Fish and Wildlife Foundation (NFWF) have created the Bats for the Future Fund, a competitive grant program that will fund the development of treatments for white-nose syndrome (WNS) to promote the survival of bats in North America. USFWS has pledged \$1 million to seed the fund, which will annually pool public and private dollars to support existing and new disease treatments and tools against WNS.

More than 6 million bats have died over the past decade from WNS. In some sites, up to 100 percent of bats have disappeared. Since signs of the disease were first observed in New York state in 2006, WNS has spread rapidly from the Northeast to the Midwest, Southeast and eastern Canada. The disease is caused by a cold-loving fungus that attacks hibernating bats. More than half of the bat species in the United States and Canada hibernate to survive the winter and are potentially susceptible. Without a solution, several bat species may be in danger of extinction. Bats play key roles in nature while also providing important benefits by controlling insect pests. Recent studies estimate that bats eat enough pests to save the U.S. corn industry alone more than \$1 billion a year in crop damage and pesticide costs, and more than \$3 billion per year to all agricultural production.

Clean Power for All

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

Clean Energy Communities in New York State

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

Join the Recycling Pledge

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

EPA Environmental Justice Strategic Plan for 2016-2020

The U.S. Environmental Protection Agency has released its Environmental Justice 2020 Action Agenda (EJ 2020) plan for 2016 to 2020. Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. EPA's goal is to provide an environment where all people enjoy the same degree of protection from environmental and health hazards and equal access to the decision-making process to maintain a healthy environment in which to live, learn, and work. EPA works with all stakeholders to collaboratively address environmental and public health issues and concerns.

To read EJ 2020, visit <https://www.epa.gov/environmentaljustice/ej-2020-action-agenda>

New Solar Device Removes Carbon Dioxide from the Atmosphere

A new type of solar-powered technology [announced in the journal *Science*](#) absorbs carbon dioxide from the atmosphere and uses sunlight to break it into a mix of carbon monoxide and hydrogen called synthesis gas or "syngas," that can be used directly or turned into diesel or other liquid fuels. The team aims to produce fuel at about \$2 a gallon, a price that would be cost-competitive with gasoline.

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

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

Seaweed Diet for Cows Reduces Methane Release

A major concern with beef production is the methane released from the livestock. Methane is 36 times more damaging to the environment than carbon dioxide, and livestock are estimated to emit 44% of the greenhouse gas globally. Research by Australian scientists has shown that adding dried seaweed to sheep and cattle feed can cut global methane emissions by 70 percent. Much of the methane from cows actually stems from their burps with their ruminant feeding. The research team found that a species of red seaweed, *Asparagopsis taxiformis*, is most effective in reducing methane burps and can be as little as 2% of the livestock feed. If this seaweed can be harvested sustainably, this may help address this problem. Read more [here](#).

Renewable Capacity Exceeds Coal Power

For the first time, the generating capacity of renewable energy systems around the world has surpassed coal power. Due to new installations of solar power and wind projects in 2015 (half a million solar panels were installed every day in 2015), significant gains were made in renewable energy projects. Of the newly added power projects around the globe, 153 gigawatts of renewables makes up more than half of the new capacity added in 2015, a 15% increase from 2014. Wind power accounts for 66GW of new renewable projects, with photovoltaics making up 49 GW. The remaining segment is comprised of other renewable energy sources, such as hydroelectric and geothermal power. Read more [here](#).

Solar City and Tesla Announce Solar Roofs

Elon Musk, Tesla CEO, recently announced that Buffalo's new Solar City facility will be producing materials for an integrated solar roof. Unlike a traditional roof-mounted solar panel array, which lays over an existing roof covering (like tiles or shingles), the integrated system has the photovoltaic cells embedded right into the roof covering. This product is ideal for homeowners that already need to upgrade their roofs or want a roof that looks more attractive.

Oak Wilt Detected in Canandaigua

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

Public Input Sought on Antimicrobials in Animal Agriculture

For certain species and disease indications listed in a *Federal Register* notice, the U.S. Food and Drug Administration wants to obtain additional information on the underlying diseases requiring drugs for therapeutic purposes, and periods when livestock or poultry are at risk of developing these diseases. In addition, FDA is asking for information on husbandry practices that may help avoid the need for these antimicrobials. FDA is accepting public comments until early December. [Info](#)

New Farm Worker Protection Standard

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

Guide Helps Incorporate Biodiversity Practices on the Farm

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

New Pesticide Product Registration Database

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

Buffalo Niagara Riverkeeper and East Hill Foundation Announce Partnership

Buffalo Niagara Riverkeeper and the East Hill Foundation have forged a new partnership to offer environmental education programs in Niagara County, based out of the East Hill Foundation's lighthouse facility. Through this partnership, Buffalo Niagara Riverkeeper will offer expanded watershed tours, educating the community about Ellicott Creek, Tonawanda Creek, and the Niagara River. They will also offer more opportunities to participate in their long-standing RiverWatch water quality testing program, and offer additional class sessions of River Academy, a field-based training series that provides an introduction to our Niagara River watershed through weekly classes in stream science, environmental stewardship, and hands-on learning experiences.

Cornell Small Farms Program Offers Online Courses

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

Pacific Institute for Climate Solutions Offers Online Climate Courses

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

New Federal Toolkit Provides Guidance for Citizen Science Programs

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

Environmental Working Groups Guide to Healthy Cleaning

Environmental Working Group's Guide to Healthy Cleaning now provides detailed information on more than 2,500 products, letting you easily find out about the health hazards and ecological concerns associated with the thousands of chemicals in cleaners. Check it out at [EWG's Guide to Healthy Cleaning](#). You can also download their app.

Become a Watershed Sleuth

EPA and the National Environmental Education Foundation announced a new resource for students to learn how to help solve water quality problems— by becoming a Watershed Sleuth! Students and citizen scientists can try to build their own aquifers and take an online interactive quiz to find local water wasters. Children, families, K-12 school groups, and others can earn a different digital badge for each lesson they complete and show off their watershed knowledge. [Start the challenge today.](https://www.neefusa.org/watershed-sleuth) (<https://www.neefusa.org/watershed-sleuth>)

Bird App Available

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

All About Birds: Interactive Learning

Here's a fun way to learn about bird anatomy. Cornell's Institute of Ornithology has created Bird Academy with an interactive tool that allows you to study the anatomy of a bird and place more than 100 parts in the proper location. Start building your bird [here](#). To enjoy the spectacular diversity of bird life while exploring the artistry of the Cornell Lab's new mural, Bird Academy's new [Wall of Birds interactive](#) invites you to view the painting in its entirety and zoom in on any of the 270 species to appreciate each brushstroke. One click uncovers each creature's way of life, voice, and range—all powered by recordings from the Macaulay Library and dynamically-updated observation maps from eBird.

Conservation Game: Save the Condor

The United States Fish and Wildlife Service has teamed up with the Santa Barbara Zoo to create a mobile game. Based on real-life conservation practices used to rescue the California condor from extinction, the game lets players experience what it's like to save an endangered species. The newly released game, [Condor Country](#), simulates what zookeepers and field biologists do to help save North America's largest bird. Players will have eggs to hatch, chicks to release into the wild, and a flock of condors to monitor for real-life health threats, including lead poisoning.

Wild Wellness: Making Home Remedies with Local Plants

Frontier Community Education will offer "[Wild Wellness: making home remedies with local plants](#)" from 7 to 8:30 p.m. on four Mondays from Nov. 14 to Dec. 5 in room 158 of the Frontier Middle School, 2751 Amsdell Rd., Hamburg, NY. For as long as humans have existed, we have relied on plants for remedies and food. Sarah Sorci of Sweet Flag Herbs will introduce participants to a range of common local plants and how they can be used medicinally. This class will cover the basics of herbal medicine and medicine making, explore the science behind the effects of various herbs and introduce the plants "in person" as participants learn to identify them. No experience is necessary. The cost is \$60, which includes supplies and samples. Get [registration information and register online here](#).

Environmental Education Webinar

The November webinar in the monthly series: [Bringing New Ideas and Innovation to the Field of EE](#) will be on November 17 at 3pm. Register now and we will send you the recording if you are not able to make it! "Accelerating Diversity, Equity, and Inclusion in Environmental Movements" will consider a wide array of perspectives which help us be more effective so we can create an environment that allows us to honor our diverse beliefs, attitudes, languages, interpersonal styles, and values. [Register](#)

Biomimicry Curriculum for High School

The Biomimicry Institute has teamed up with EcoRise Youth Innovations on a brand-new biomimicry curriculum for high school students. With four modules, Biomimicry and Science: Applying Nature's Strategies reinforces core content in science using examples from nature and bio-inspired design as a framework. The entire curriculum will be available for purchase soon, but a free module is now being offered to support teachers working with students who are entering the Institute's Biomimicry Global Design Challenge or pursuing a similar long-term biomimicry project. Access it [here](#).

Teacher's Resources

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for instructional use for all K-12 schools in the United States as part of the White House's ConnectED initiative. Resources to help schools get started with ArcGIS Online are available [here](#).

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

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

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

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

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

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

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

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

Contests and Awards

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

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

Grant and Scholarship Opportunities

[EPA Rural Advantage Program – Technical Assistance](#) is offering technical assistance to rural communities to develop strategies that help grow the economy and revitalize downtown neighborhoods. EPA is offering three programs: 1) Local Foods, Local Places (LFLP), which helps communities leverage local food enterprises to diversify their economy and renew their downtowns, 2) Cool & Connected, which helps communities use broadband service to create walkable, connected, economically successful neighborhoods, and 3) Healthy Places for Healthy People, a new program that will help communities partner with health care facilities to catalyze downtown revitalization and to improve options for healthy living and economic opportunity. For more information, visit the [news release](#). Deadline: **November 6**.

[USDA Agriculture and Food Research Initiative](#) focuses on the priority to mitigate and adapt to climate variability and change. It supports activities that reduce greenhouse gas emissions, increase carbon sequestration in agricultural and forest production systems, and prepare the nation's agriculture and forests to adapt to variable climates. The long-term outcome for this program is to reduce the use of energy, nitrogen fertilizer, and water by ten percent and increase carbon sequestration by fifteen percent through resilient agriculture and forest production systems. Deadline: **November 17, 2016**.

[Family Nature Club Grants](#)- With support from Disney Conservation Fund, C&NN is pleased to offer \$500 stipends for materials reimbursement in addition to environmental education (EE) tools and resources. Each stipend recipient will be awarded a "Nature Action Backpack" filled with EE curriculum, tools, and supplies, and provided with training for forming a new (or extending the work of an existing) Family Nature Club that provides creative, exciting and innovative ways to connect families to nature. The EE curriculum is intended to enrich the offerings of Family Nature Clubs to its membership, and not replace the core value of unstructured time to play and explore in the natural world. Deadline: **November 18, 2016**.

[Scaling up Next Generation of Building Efficiency Packages](#)-Dept. of Energy seeks proposals that drive innovation in real building technology demonstrations while also fostering the collaboration of dynamic demonstration teams that include energy organizations (states, local governments or Regional Energy Efficiency Organizations), efficient building hubs (such as Innovation or Incubator hubs), utilities, and building energy modeling professionals. Deadline for Concept Papers: **November 21, 2016**.

[Community Food Projects \(CFP\) Competitive Grants Program](#)- goals of the CFP are to: Meet the food needs of low-income individuals through food distribution, community outreach to assist in participation in Federally assisted nutrition programs, or improving access to food as part of a comprehensive service; Increase the self-reliance of communities in providing for the food needs of the communities; and, promote comprehensive responses to local food access, farm, and nutrition issues. Deadline: **November 30, 2016**.

Open Buffalo Innovation Lab Public Research Fellowship-The fellowship will be open to faculty members, adjuncts, and post-docs at Western New York universities and colleges, as well as Cornell University. The fellowship will last one year and includes a \$5000 stipend. Application should include a proposal which includes your CV and a description of your project in 500 words or less. Be sure to address how your work will make an impact in advancing the issue campaigns and/or civic capacity goals of Open Buffalo. Send to Sam Magavern, PPG co-director, sam@ppgbuffalo.org, by **December 1, 2016**.

[Clean Energy Incubators](#) seeks proposals to catalyze continued development and growth of a vibrant, self-sustaining clean energy innovation ecosystem in New York State through the support of clean energy business incubators. Up to \$10,000,000 of NYSERDA funding is available. Deadline: **December 1, 2016**.

[Farm to School Grant Program](#)-USDA anticipates awarding approximately \$5 million in grant funding to support efforts that improve access to local foods in schools. Applicants may apply for a Planning grant, Implementation grant, Support Service grant, or Training grant. For all four types of grants, the Federal share of a project cannot exceed 75% of the total cost of the project. Deadline: **December 8, 2016**.

[Beginning Farmer and Rancher Development Program \(BFRDP\)](#) funds Standard Projects: to new and established local and regional training, education, outreach and technical assistance initiatives; Educational Enhancement Projects: to help develop seamless beginning farmer and rancher education programs by conducting evaluation, coordination, and enhancement activities for Standard Projects and other non-funded beginning farmer programs; and Curriculum and training clearinghouse: to make educational curricula and training materials available to beginning farmers and ranchers and organizations who serve them. Deadline: **December 8, 2016**.

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

[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**.

[N. G. Kaul Memorial Scholarship](#) will be offering up to \$5000 in scholarships to students pursuing graduate or doctoral degrees in environmental/civil engineering or environmental science concentrating on water quality who show a commitment to government service. Deadline is **February 28, 2017**.

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

[Toyota Every Day Capacity Building Grants](#)- Up to \$5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long term sustainability of the organization. Deadlines: **April 30 and October 30**.

[The Karma for Cara Foundation](#) is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. **Deadline: Rolling**.

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

[VolunTEEN Nation International Service Project Grants](#)- Students (ages 13-22) from the US going abroad to volunteer or study in a developing country are encouraged to apply for an international service-learning mini-grant from VolunTEEN Nation. Grants are for up to \$300 to create a service project in a developing country while you are visiting that country. **Deadline: Rolling**.

[KEEN Effect](#) is committed to inspiring responsible outdoor participation to help preserve the places we all play. Through the KEEN Effect, \$10,000 grants are awarded to nonprofit organizations around the world who are dedicated to responsible outdoor participation. Projects must increase responsible outdoor participation as a way to work towards building a strong community. **Deadline: Ongoing**.

[Everyday Young Hero Award](#)-Everyday Young Heroes are young people, ages 5-25, who are improving their communities through service to others and making significant progress in achieving the UN's Sustainable Development Goals (SDGs). Each week, YSA selects one young person to receive this honor and receive \$250 grants to continue and expand their project. **Deadline: Rolling**

[The Fruit Tree Planting Foundation](#) is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTPF programs strategically donate orchards where the harvest will best serve communities for generations. **Deadline: Rolling.**

[WalMart Community and Education Grants](#) . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over \$250. For requests under \$250, get a local donation form from your nearest Walmart at the customer service desk.

[Environmental Research and Education Foundation](#). Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

[Toshiba America Foundation](#). Rolling deadline. Grades 6-12 Teachers. Under \$5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. Deadline for grants over \$5,000 is August 1.

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)- awards grants of \$750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. Rolling deadlines.

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. Grants are available for \$500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. Rolling deadline.

[Niagara Falls National Heritage Area](#) supports important projects and programs throughout the National Heritage Area with the long term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the [Niagara Falls National Heritage Area Management Plan](#).

[World We Want Foundation](#) is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to \$5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference through a range of social action activities, including community service projects, service-learning projects, and social ventures. Application deadline: Rolling.

[The Coca-Cola Foundation](#) partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. Rolling deadlines.

[Kresge Foundation's Healthy Environments grant program](#) seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Applications are currently being accepted for the Healthy Homes Initiatives, Transportation and the Built Environment Initiative and the Healthy Food Initiative. Application deadline: Rolling.

[Cisco Global Impact Cash Grants](#) support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of services. Take the [Eligibility Quiz](#) to see if you can apply.

[Technical Assistance Grant Information](#)-The New York State Department of Environmental Conservation (DEC) is continuously accepting applications for Technical Assistance Grants (TAGs). TAGs are a citizen participation tool available to eligible community groups to increase public awareness and understanding of remedial activities taking place in their community. Eligible community groups may apply to receive grants for up to \$50,000 per site.

Employment and Internship Opportunities

[Aquarium of Niagara Internships](#)-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

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

[Clean Air Coalition Internships](#)-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. It works to build power by developing grassroots leaders who run and win campaigns that advance environmental justice and public health in the region. All internships include some operations and administrative work. The Clean Air Coalition's internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

Citizen Science

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

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

Upcoming Community Activities:

Tuesday, November 1

Black Rock Riverside Garden Group: Getting Ready for the Holidays with Live Plants- 6:00 - 7:30 at Black Rock Historical Society Museum, 1902 Niagara Street. Find out more on their [Facebook page](#) or contact the [BRRAlliance](#)!

2016 C-SAAHN 'IMAGINE' Lecture Series- Noon to 1pm@ Downtown Buffalo & Erie County Public Library. <http://buffaloah.com/h/center/lib/16lec.html> for details and speaker confirmation. Speaker TBA.

Volunteer Opportunity at Pelion Garden- 4 to 6pm. Every first Tuesday, we welcome students, parents, community members to assist with seasonal tasks: watering, weeding, transplanting, harvesting, mowing etc. We provide training and tools, but you might want to bring your own work gloves if you're particular. 206 Best St., Buffalo. <https://www.facebook.com/events/1655403488076189/>

"The Mother of All Markets: Creating Clean Energy Jobs in America"-Talk by Former Governor of Michigan, Jennifer Granholm at 7 p.m. in the Montante Cultural Center, Canisius College. Event is free and open the public. As governor, Granholm pioneered clean energy policies, working with business and labor, Republicans and Democrats to create new economic opportunities and jobs in Michigan. She led an aggressive strategy to make Michigan the hub of clean-energy development in North America by developing entire supply chains in Michigan, fostering critical partnerships between industry, government and researchers, and by creating economic incentives that made Michigan the place to locate. Granholm's plan included specific clustering strategies targeted at battery manufacturing, bio-energy, solar and wind power. For more information, contact the Office of Public Relations at 716-888-2790.

Wednesday, November 2

Senior Stroll-10:30am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. Bring a lunch if you want to eat outdoors after the tour. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

GBNRTC-PCC Meeting-9:30AM at Erie County Public Works, 95 Franklin St. Public invited to discuss transportation issues. Monthly meeting locations rotate, so you can confirm at 856-2026.

Buffalo Talks-Noon at Central Library Buffalo. Not for Profit Panel with Guest Speakers: Stuart Harper – City Mission, Marylou Borowiak – Food Bank of WNY, Thomas Lynch – Goodwill, Tara Ellis – Meals on Wheels. Representatives from the City Mission, Food Bank of WNY, Goodwill and Meals on Wheels will give background information on their respective organizations, their missions, and relate how the community can become involved in their charities. Free but please [register](#).

Public Info Session on Hanging Bog Wildlife Management Area-New York State Department of Environmental Conservation (DEC) will host a public information session to provide information and answer questions about a recently completed habitat management plan for the [Hanging Bog Wildlife Management Area](#) (WMA) located in the town of New Hudson, Allegany County. 6:00 to 7:30 p.m. at the Cuba-Rushford Middle/High School Auditorium, located at 5476 Route 305 North in Cuba. An open house will take place from 6:00 - 6:30 p.m., followed by a formal presentation at 6:30 p.m. The [habitat management plan for Hanging Bog WMA \(56 page PDF, 3.46 MB\)](#) can be found on DEC's website. For more information on this event, please contact Greg Ecker at [\(716\) 851-7010](tel:7168517010).

Thursday, November 3

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

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

Annual HNHS/Penn Dixie Fundraiser- 6pm – 9pm at La Galleria Banquets, 3923 Southwestern Blvd, Orchard Park, NY 14127, USA ([map](#)). Join us for a night out at our annual fundraiser event. The night will include silent and voice auctions, raffles, hors d'oeuvres and much more! The public is welcome to attend and will be a fun filled evening for all. Donations of themed baskets, gift certificates, artwork, toys and tickets to sport games are all welcome. <https://penndixie.org/fundraiser/>

Orchard Park Garden Club- 11:30 a.m. at the Orchard Park Presbyterian Church, 4369 S. Buffalo St., East Aurora. Sign-ups begin at 11:30 a.m., with refreshments at noon and the program at 12:30 p.m. The program will be “Use, Return, Reuse, Recycle – and See it at the Auction.” Wendy Zebehazy will be the auctioneer. Garden items only will be included in the auction.

Friday, November 4

First Friday Lunch Bunch: Bat Biology and Research in Chautauqua County-11am at the [Audubon Community Nature Center](#), 1600 Riverside Rd., one-quarter mile east of Route 62 between Jamestown, NY, and Warren, PA. Jonathan Townsend and Sandra Emke will talk about their research utilizing bat echolocation calls to identify species' range and population trends in Chautauqua County. Using ultrasonic microphones, SUNY Fredonia students, Roger Tory Peterson Institute staff, and volunteers initiated acoustic surveys at several sites this past summer. These surveys are the first year in a long-term population monitoring program that aims to provide insight into shifts in population trends, as well as ecological information on foraging behavior. A BYO brown bag lunch and conversation follows the program, with coffee and tea provided. The fee for attending is \$8 for the public or \$6 for Friends of the Nature Center. Reservations are not required.

From Sandy to Snowvember: Climate Change and Buildings in New York-UB School of Architecture and Planning Symposium from 12-5pm. Hayes Hall, 4th floor Lecture Hall. Free and open to public. Register at [registrationlink](#).

Buffalo Geological Society Meeting- 7:30 features James Boyle speaking on “the Giant placoderm, Titanichthys, a case of dominant fossils”. Devonian placoderm were about 20 feet long and were armoured prehistoric fish and were among the first jawed fish. Meeting at the Parkside Lutheran Church (side entrance) at Depew and Wallace Streets in Buffalo.

Saturday, November 5

Introduction to Orienteering-10am. Learn how to read a map and use a compass so you can navigate the wilderness like the pioneers of old. For adults and children ages 10 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

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

27th Anniversary Fundraiser with El Buen Amigo & LACA- 6:00 pm-10pm at Hamlin House, 432 Franklin St., Buffalo. Tickets are \$30 (\$25 for students, elderly) \$12 for kids and includes dinner. Email lacanewyork@yahoo.com for info.

Fall into Fitness: High Above the Gorge at Low Water-10am to 1pm at Whirlpool State Park. Take a scenic hike along the rim to look at the changing water level of the Niagara River below. *Call (716) 282-5154 to register for program.*

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

Save the Daylight Hike-6:00pm - 07:30pm at Tiffit Nature Preserve. Celebrate the last evening before we lose light (Daylight Savings ends) with an adults-only guided twilight hike in search of Tiffit's wild night life! Pre-registration required. Ages 18+. \$5; BMS members save 10%.
<https://13520.blackbaudhosting.com/13520/Save-the-Daylight-Hike>

Tree Planting- 9am (rain or shine the trees need to be put in the ground!). Meet at park at corner of 356 West Ferry street parking lot across the street from La Nova Pizzeria. *If you can please bring a shovel, hard rake**. Thank you all, coffee, doughnuts, apples and *lunch will be provided*, coming back 5 years later to see the tree you. buckleynate1@gmail.com

City of Buffalo E-Waste Dropoff-1120 Seneca St., 8am to 2pm. www.buffalorecycles.org for info.

National Bison Day-Buffalo Zoo. We will have some special guests, plenty of activities, enrichment, keeper talks and more! This event is FREE with Zoo admission. The event takes place from 11:00 p.m. - 3:00 p.m. For more information, please call (716) 995-6133.

Small Scale Composting Methods for the Home-10am – 12pm; \$5/family. This workshop will provide an introductory overview of small-scale composting and composting methods that encourage home and garden waste-stream management and soil enrichment. A variety of simple to complex composting methods and goals will be discussed. Steve Rees, CCE-Chautauqua County Master Gardener Volunteer, will be leading this workshop. He is a retired Professor of Theatrical Production having taught 28 years at SUNY Fredonia. He is particularly interested in shrubs, compost and supporting his wife's avid perennial flower cultivation. Pre-registration is required by mailing in the form attached to this publication or by visiting www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop you are hoping to attend. Held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Darkness and Winter Adaptation Tour-2pm – 4pm at Cassadaga Creek Preserve Bloomer Road, Stockton, NY ([map](#)). With the end of Daylight Savings Time looming just around the corner, local wildlife is preparing for winter. We'll talk about hibernation, migration and other winter adaptations while touring our beautiful Cassadaga Creek Preserve. Dress for the weather! This tour will be appropriate for participants of all ages and is open to the public. It is free for members, with a suggested donation of \$5 for non-members. <http://www.chautauquawatershed.org/>

Beast Feast- 10:00 a.m. – 12:00 p.m. Buffalo Zoo workshop. We aren't the only ones who like to celebrate Thanksgiving! Come learn how we prepare feasts for our Zoo animals. The workshop starts off with a study on how delicious food can be with a light continental breakfast. Then we explore animal diet and nutrition, observe animals enjoying their breakfast, and go behind-the-scenes to take a peek at the Zoo's specialized diet prep kitchen. \$25/\$30 (nonmember). [register](#)

Chestnut Ridge Conservancy 5th Annual Gala- 6:00 pm - 10:30 pm, \$125. 5th Annual Chestnut Ridge Conservancy Gala at the Orchard Park Country Club. This magnificent event is the primary fund raising event for the Conservancy. Sponsorships are available at various levels. Inquiries should be addressed to info@ChestnutRidgeConservancy.org. To purchase tickets to the gala, either call John Bailey at [716.662.0236](tel:716.662.0236) or buy them below.

Sunday, November 6

Exploring Sinking Ponds -10:00am-12:00pm at Sinking Ponds Sanctuary, East Aurora. Sharing the seasonal ecology of local ponds and mature forests. Cost \$5/\$7 (non-members). Register at <http://earthspiritedu.org/events.html>

Family Hike: Ellicott Creek Park- Family adventure with a morning hike from 9-11am. Dress for the weather! Cost is \$10.00 for a family and will include your guided trip and snacks. Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors. www.pathspeakspaddles.com

Community Class: Basic Wheel Maintenance-6 to 7pm. Join us at our community workshop. We will cover hub overhauling and adjustment, wheel truing, and how to fix a broken spoke. Practice wheels will be available to work on but participants may also bring their own wheels. Please RSVP to Stacy Sauvageau at stacy@gobikebuffalo.org. A \$10 donation is suggested for our Sunday classes.

Monday, November 7

Toward a Sustainable Buffalo: Public Lecture Series – Buffalo State Graduate School in collaboration with Open Buffalo and the Institute for Community Health Promotions will host "Taking Action on Economic, Environmental, and Climate Sustainability," from 6-8pm (2nd part on Monday, December 5). The series will feature community experts who will provide information about sustainability issues in our area. The series is designed to provide an interdisciplinary forum for discussing how to make progress in addressing these issues. [Online registration](#) is not required but is strongly encouraged; refreshments will be provided. Both sessions will be held from 6:00 to 8:00 p.m. in Butler Library 210 and are open to all. This session focuses on economic justice.

Tuesday, November 8

2016 C-SAAHN 'IMAGINE' Lecture Series- Noon to 1pm@ Downtown Buffalo & Erie County Public Library. <http://buffaloah.com/h/center/lib/16lec.html> for details and speaker confirmation. Speaker TBA.

Kenmore Garden Club- 10 a.m. at Kenmore United Methodist Church, 32 Landers Rd., Kenmore. Geri Hens will talk about pollinating insects and the global concern over their decline. She will give information on how to promote insect health and the importance of having a bee-friendly garden. Hens, an organic bee farmer certified by the US Department of Agriculture, is the owner of Hens Honey Bee Farm in Pendleton. The talk and meeting are free and open to the public.

"45 Gardening Tips in 45 Minutes"-Talk will be presented by Connie Oswald Stofko, editor of Buffalo-NiagaraGardening.com, at the meeting of the Ken-Sheriton Garden Club at 7:30 p.m. at St. Mark's Lutheran Church, 576 Delaware Rd., Kenmore. Stofko will share 45 tips that she has gathered while interviewing home gardeners and experts. A business meeting will follow. New members are always welcome.

Putting Garden to Bed- Volunteer opportunity at Pelion Garden across from City Honor's at 206 Best St., Buffalo from 9am to noon. We will be closing the growing beds and performing other tasks related to shutting down the garden for the season: clearing annuals, cutting back perennials, pruning shrubs, weeding, collecting seeds. <https://www.facebook.com/events/1101606036597916/>

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

Adirondack Mountain Club General Membership Meeting –starts at 6:30pm at Fellowship Hall - Amherst Community Church, 77 Washington Highway, Snyder NY 14226. Please park in rear and enter through back door. Walk up to the 2nd floor. Education Workshop: “The Ten Essentials” - Presented by Bob Van Hise (6:30-7:15pm – meet adjacent to the main meeting room). Presentation: “Water Matters” - Presented by Erin Redding, Environmental Scientist at Gomez and Sullivan Engineers, PC. Summer may be a recent memory, but those who enjoyed western New York’s many waterways these past few months can appreciate Erin Redding’s work in Buffalo.

Introduction to Meat and Dairy Goats-6pm – 8pm; \$5/family. This introductory workshop will cover the care, basic nutrition, common diseases, and marketing outlets for goat products of the most common breeds in the US – a perfect workshop for the homesteader or beginning farmer interested in raising goats. Kate Ewer, a crazy goat lady whose love for goats began as a 4-H youth fifteen years ago, will lead this workshop. She has experience with dairy, meat, and working goats and now keeps a few Boer Does for a hobby. Pre-registration is required at www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop. All of the workshops will be held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Wednesday, November 9

"Cats, Birds, and Us"- Buffalo Museum of Science. 7PM: Buffalo Ornithological Society Meeting in the Cummings Room of the Buffalo Museum of Science. Gerry Rising will speak. Cat lovers, animal shelter personnel and animal rights groups have convinced city and town governments across North America to implement programs that support free-ranging cats called Trap-Neuter-Release (TNR) despite opposition to these programs by scores of scientific organizations whose case is based on a wealth of scientific literature. This talk will identify problems free-ranging cats raise for birds, other wildlife – and us as well – indicate why TNR is the wrong approach to these problems and suggest alternative responses.

Lancaster Garden Club Meeting- fundraiser with a flower arrangement demonstration at 7 p.m. at Holy Mother of the Rosary Cathedral, 6298 Broadway, Lancaster. Tickets are \$10, which includes food and door prizes. Each member will make an appetizer and dessert to serve with coffee and tea. Members will also make a basket worth at least \$25 for the Chinese auction. Cheryl Gicewicz from Flowers by Nature will give a demonstration on making flower arrangements. The show is held every other year.

Youngstown Garden Club-Meeting at 7 p.m. at the First Presbyterian Church, 100 Church St., Youngstown. Colleen Gaskill, CNLP, a landscape design specialist, will present the program “Garden Paths.” The meeting is open to the public.

Behind-the-Scenes Collections Tour: Mastodons in our Backyard, The Byron Dig-6:30pm - 08:30pm. The Buffalo Museum of Science is proud to present Behind-the-Scenes Collection Tours. Go behind-the-scenes and learn more about the Museum’s Mastodons. Excavated from Genesee County, take a look at the specimens that teach us about life on the Niagara Frontier over 10,000 years ago. The cost for the tour is \$25 and \$15 for Buffalo Museum of Science members. Registration is required by [clicking here](#).

Stormwater Coalition Meeting-2 pm at Julia Boyer Reinstein Library at 1030 Losson Road, Cheektowaga NY 14227.

The Forest, Not Just the Trees-7:00pm – 8:30pm at 311 Curtis St, Jamestown, NY 14701, ([map](#)). The Chautauqua Watershed Conservancy and Roger Tory Peterson Institute are partnering to present a talk by Dr. Jonathan Titus, biology professor from SUNY-Fredonia. In his talk, Dr. Titus will deliver a report summarizing his current research that’s addressing some of the many aspects of rapid changes underway in forests throughout the area.

Thursday, November 10

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

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

PUSH Building Blocks Breakfast Fundraiser-8 to 9am at Temple Beth Zion, 805 Delaware Ave. Come learn about the work that PUSH Buffalo has been doing with West Side residents to transform a twenty-five-square block district known as the Green Development Zone (GDZ). A neighborhood that once faced an epidemic of vacant housing and declining economic and social conditions is being revitalized by an array of green affordable housing rehabilitation projects, community-based solar and geothermal installations, urban gardens and job training programs leading to living-wage careers in weatherization and green construction. RSVP: [CLICK HERE](#)

Soil Properties and Soil Health- 6pm – 8pm; \$5/family. In this workshop, you will learn how to inventory the soils on your property, use a soil survey to determine the suitability of soils for various cropping programs, and how to use crop rotations, cover crops, and the application of organic materials to build a healthy soil. Robert Halbohm, who is currently the Water Quality Technician with the Chautauqua County Soil & Water Conservation District will lead the workshop. He retired from the USDA-Natural Resources Conservation Service after working for 35 years in the field of assisting landowners in the development and implementation of conservation plans to protect their natural resources and maintain a profitable farm operation. Pre-registration is required at www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop. To be held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Friday, November 11

WNY Peace Center Dinner-With Aly Wane, UndocuBlack speaking on “Where do we go from here?” after the election. Doors open 5:30pm. You can order your tickets, a table of eight, or an info/vendor table – and make a donation toward the dinner/contribute toward student tickets, by using the paypal button in the middle of our website home page www.wnypeace.org.

Saturday, November 12

Wildlife Rehab Class at Hawk Creek- November 12 & 13, 12-4pm Cost is \$100. [register](#)

Family Tracks and Scat Walk-10:30am. Search for tracks and scat to identify the active critters of late fall. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Nature’s Gathering-5 to 8pm. Sample fine regional wines and enjoy hors d’oeuvres, as you help support the Friends of Reinstein Woods. Western New York artisans will showcase their nature-themed artwork and specialty items, all available for purchase. Please note: This event will take place at the Knights of Columbus Hall, 2735 Union Road in Cheektowaga. Call 716-683-5959 for more information, or purchase tickets online at www.reinsteinwoods.org.

Stuck in a Rut-1 to 3:30pm at [Evangola State Park](#). Mid-November marks the peak of the White-tailed deer rut and provides the best opportunity to view dominant bucks, elusive for most of the year. Join us as we listen for clashing antlers and search for rubs and scrapes while enjoying the crisp autumn air. *Call (716) 549-1050 to register for program.*

Gorge at Low Water-10 to 3:30pm at [Whirlpool State Park](#). Two opportunities to enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. We will take you past the Whirlpool to the site of the Great Gorge Route station and beyond. *Call (716) 282-5154 to register for program.*

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

“A Natural Holiday Season” -program focusing on giving environmentally friendly gifts from 10 a.m. to noon in the First Presbyterian Church of Portville, 19 North Main St., Portville. Parking is at the back of the church (handicapped parking is on the side). Using green products keeps our water and air clean, protects our wildlife and is safer for our pets and family members. During this program, they will share examples of eco-friendly personal products, gift wrap and gift ideas as well as ways to green up your holiday traditions. Repurposing for the holidays will be discussed and will include a fun craft for you to take home. The event is free for Pfeiffer Nature Center members, \$5 for non-members, and free for children 13 and under. Minors must be accompanied by an adult. **Register by 4 p.m. Thursday, Nov. 10.** [Sign up online](#) or call the office at 716-933-0187.

Niagara River Gulls – 9 to 10:30 am. Start your weekend with the birds! Join Naturalist Tom Kerr at the NYPA Fishing Platform below the Robert Moses Dam. Every fall, thousands of Bonaparte's Gulls congregate in the Niagara River before moving further south. Pre-registration is required. To register, call (585) 457-3228. Binoculars are available. Donations. Buffalo Audubon Society.

Family Fall Scavenger Hunt-2:00pm - 03:30pm. Join us for a fun family outdoor challenge on the trails of Tifft Nature Preserve! Family groups will compete for a prize by using simple nature clues to discover special items along the trails and around the Visitor Center. No matter what you find, everyone big and small will enjoy this guided adventure in the great outdoors! Pre-registration required. All ages. \$6; BMS members save 10%. <https://13520.blackbaudhosting.com/13520/Family-Fall-Scavenger-Hunt>

What Lies Beneath: Documenting Delaware Park's Quarry Garden and Envisioning its Return-1 to 2pm. Did you know that the stone bridges by the Parkside Lodge in Delaware Park spanned a quarry garden in the 1900s? The quarry was filled in during the construction of the Scajaquada Expressway. This fall, join us as landscape architect Sam Valentine shares his research on this beautiful and hidden part of Olmsted's masterpiece. The Buffalo History Museum, 1 Museum Court, Buffalo, NY 14216. It is free and open to all. For more information, contact Jessica at (716) 828-1249, ext. 22 or email jessica@bfloparks.org.

Raising Poultry for Egg Production-10am – 12pm; \$5/family. Backyard Chickens are a popular way to get started with homesteading and farming! In this workshop participants will have the opportunity to learn about raising egg-layers from baby chick to productive adult including information on housing and supplies, nutrition, breed selection, chick care, pest control, and marketing. There will also be a discussion on regulations and labelling requirements for sales of farm-fresh eggs. The instructor will be Katelyn Walley-Stoll, Farm Business Management Educator and “Chicken Lady” with Cornell Cooperative Extension of Chautauqua County, who has had many years of experience raising poultry for egg production. Pre-registration is required at www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop you are hoping to attend. Will be held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Cranksgiving-A food drive on two wheels. Part bike ride, part food drive, part scavenger hunt. Bring a bike (any bike will do), a bag, a lock, a helmet and about \$10-15 to buy food. All of the food collected at grocery stores will be donated to Buffalo Food not Bombs. Riders will be given a manifest with a list of grocery stores around the city to visit and food items to purchase. Riders will bring their completed purchases to the GObike workshop. Families and teams (limit 4 people per team) along with individual riders are encouraged to enter. Being fast is not a requirement! Trophies/Prizes will be awarded and refreshments will be had at the after party at the GObike workshop (98 Colvin Ave) at 3pm. The after party is free for riders, but we are asking that non-riders bring 4 vegan non perishable food items to donate or 5 bucks. Registration is at Lafayette Square and starts at 12pm and the ride starts promptly at 1pm.

Sunday, November 13

Wildlife Rehab Class at Hawk Creek- November 12 & 13, 12-4pm Cost is \$100. [register](#)

Hickory Woods Hike-1:30 to 3:30pm at [Knox Farm State Park](#). Learning to identify trees without their leaves can be an exciting challenge. The textured browns and grays of tree bark can blend seamlessly together. Come learn some basic tips and tricks that will help you identify trees without their leaves! *Call (716) 549-1050 to register for program.*

Crepuscular Hike: Moonlight Meander-5:30 p.m. – 7:30 p.m. at [Knox Farm State Park](#). With the glow of the full moon to guide us, embark on a nighttime journey through Knox Farm and experience the park “after hours”. Stargazing to follow program, weather permitting. *Call (716) 549-1050 to register for program.*

Monday, November 14

Erie Canal Harbor Development Corporation Meeting- 10:30am. Board Room of ESD’s Buffalo Regional Office, 95 Perry Street - Suite 500, Buffalo, NY 14203.

East Aurora Garden Club: “Scajaquada Creek Reclamation”-Margaret Wooster, author and environmentalist, will present a slide show about the Scajaquada Creek reclamation and how the creek is being remediated after years of neglect and misuse at the meeting at noon in St. Matthias Episcopal Church, 374 Main St., Orchard Park. Wooster wrote *Somewhere to go on a Sunday: A Guide to Natural Treasures in Western New York and Southern Ontario* and *Living Waters-Reading the Rivers of the Lower Great Lakes*. She is a member of the Buffalo Niagara Riverkeepers, secretary of the WNY Land Conservancy, and a historian, conservation leader and an environmental activist involved with research and the cleanup efforts on the Scajaquada.

Buffalo Green Code Public Meeting-Buffalo Common Council has scheduled two public hearings for consideration of the Buffalo Green Code, including the adoption of the Unified Development Ordinance. 6:00 PM, Common Council Chambers, 13th Floor, City Hall, 65 Niagara Square. *The revised UDO is available [here](#).*

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

Tuesday, November 15

“Bomb Trains” -WNY Chapter/American Meteorological Society hosts Charley Bowman, WNY Peace Center Environmental Justice Task Force. 7 to 8:30pm at SUNY Buffalo State – Classroom Building. Park in Lot I-37 and follow the AMS signs (parking permits will be available). Free, public is welcome.

Dying to Help the Environment-6:30 to 8pm at Griffith Institute High School, 290 North Buffalo St., Springville. This light hearted session will discuss environmentally friendly burial alternatives. We never want to think about our death, but it is a good idea to plan ahead for the inevitable. A suggested donation of \$5 will be collected to support Wild Spirit. Sign up at <http://www.meetup.com/Nature-in-WNY>

Niagara River Greenway Committee Meetings- 2pm for Executive Committee meeting and 3pm for General meeting. Updated location at <http://www.niagaragreenway.org/?q=node/557>.

Wednesday, November 16

Pitch 10-5:30 to 8pm. Ten ideas to impact our region for the next generation. Come listen to how these ideas are transforming communities across Western New York and have your say in who wins \$10,000 in grants from Next Generation United. Ten finalist organizations will be pitching their ideas for a grant of \$5,000; second and third place vote-getters will each win \$2,500 to implement their idea. Admission is \$20 and includes a vote for your favorite idea, hors-d’oeuvres, and open bar. Hauptman-Woodward Medical Research Institute, 700 Ellicott St., Buffalo, New York 14203. Purchase your ticket [here](#).

Thursday, November 17

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

Green Development Tours-8AM. All tours start at 460 Massachusetts Avenue and last approximately one hour. Email juliawhite@pushbuffalo.org to reserve your spot! Check out the work of PUSH Buffalo.

The Art of Herbology: Lip Saver for Cold Winter Weather –6pm. \$25, All class supplies are included with the class fee unless otherwise noted. You MUST preregister and pre-pay for each class and class sizes are limited. Contact Amanda for more information at 433-8839 ext. 231 or by email app27@cornell.edu. It is unbelievable how easy, fun, and inexpensive it is to create your own Lip Balm. Each participant will learn the process of extracting the properties of herbs in oil and how to use this as a foundation for creating their own Lip Balm. You will leave the class with finished products to share as holiday gifts for friends and family. This course will be approximately 60 min. long. Cornell Cooperative Extension, Niagara County, Niagara County Fairgrounds.

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

Beakers & Beer-5 to 7pm. Join us for free food, drinks and networking from 5-7 PM! These networking events are free and open to employees who work on the BNMC and members of the community. Hauptman-Woodward Institute at 700 Ellicott Street.

Business Planning for Beginning Farmers- 6pm – 8pm; \$5/family. This seminar introduces the new farmer to the basic format and concepts expected in a business plan. In addition to the actual farming, a farm operation requires management, record keeping, taxes, financing, marketing, permits, competition analysis, and research. Research is ongoing for suppliers, competition, new products and services, resources and most important - customer needs. Once your farm is established, you can revisit each area for improvements on a regular basis. It's your business so make it the best it can be. Don't underestimate the importance of planning. While it is possible to start with minimal planning, successful businesses typically have a plan, know their market, their customers and have a good understanding of the financial requirements of the business. A farm business plan is also necessary in most instances when seeking financing. This workshop will be taught by Scott Miller, Business Advisor with the Small Business Development Center at Jamestown Community College who has had several years of experience working with beginning farm business owners in our area. Pre-registration is required at www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop you are hoping to attend. To be held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Friday, November 18

Shipwreck Stories Presentation-7:30 to 8:30pm at DeVeaux Woods State Park. Hear stories of shipwrecks of Lake Ontario. All stories will have some basis in fact. A state park naturalist in costume will tell these tales. *Call (716) 282-5154 to register for program.*

Annual Feed Dealer's Meeting-For industry personnel and area producers. Dr. Tom Overton and Joe Lawrence will present some valuable insights into current nutrition and health topics. 10:00 a.m. - 2:00 p.m. CCE Genesee County Office 420 East Main Street, Batavia Pre-Registration is Requested! Hot meal & proceedings included. Cost: \$30.00 per person/location \$25.00 ea. Additional person(s) from same company/farm. Cathy Wallace: 585.343.3040 x138 or cfw6@cornell.edu.

Saturday, November 19

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

Woods Walk: Nature Guide's Choice-1pm. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, Depew.

Gorge at Low Water-10am to 3:30pm. at Whirlpool State Park. Opportunity to enjoy the Niagara Gorge after the volume of water in the Niagara River is reduced by 25%. We will take you past the Whirlpool to the site of the Great Gorge Route station and beyond. *Call (716) 282-5154 to register for program.*

Fields, Forests and Streams-10:00am-12:00pm at Amherst State Park. Enjoying a leisurely hike through varied habitats with a focus on seasonal changes. \$5/ \$7(nonmember) <http://earthspiritedu.org/events.html>

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

Winter Mandalas – 1 to 2:30pm. Join presenters Sue Burroughs and Judy Light at Beaver Meadow to learn about the science of snowflakes and radial design. Each participant will make a stamped votive candle holder, gift tag, and snowflake tangle. Space is limited and preregistration is required by November 11th. Children 10+ and Adults. Cost \$7. Buffalo Audubon Society-Beaver Meadow. Call (585) 457-3228.

Jr. Audubon Club Beaver Meadow Owl Prowl – 7 to 9pm. Join Naturalist Tom Kerr and the Junior Audubon Club for our Monthly Birding Adventure! To register, call (585) 457-3228.

Teddy Bear Hike at Tiff-2:00pm - 03:30pm. Calling all teddy bears and stuffed animal friends! Bring your human companion for a guided hike on the trails! First we'll make a fashionable felt scarf for teddy to wear, then we'll look for our wild animal cousins on the trails and return to the Visitor Center fireplace for delicious hot chocolate! It will be a beary fun time for all! All ages. \$8 per child with adult; \$4 per additional child with same adult; BMS members save 10%. [register](#)

City of Buffalo Community Shredding and Clothing Dropoff- visit www.buffalorecycles.org for updated details.

Buffalo Museum of Science Behind-the-Scenes Collection Tour-1:00pm - 03:00pm. Only a small portion of the Museum's collection is on exhibit at any one time. Take a peek at our vertebrate zoology department and experience mounts, skins, bones and jars! Why do Museums have so much 'stuff'?! Find out on our tour! The cost for the tour is \$25 and \$15 for Buffalo Museum of Science members. Registration in advance is required by [clicking here](#).

Nature Thanksgiving Hike-1:00 to 3:30pm at 18 Mile Creek Park – Hamburg. Concepts like ecosystem engineers, keystone species, ecosystem services and trophic interactions are largely unknown to most but are essential to our own survival. During this outing, we'll share the numerous ways in which our wild neighbor species and Nature at large make life possible for we humans, something for which we should be extremely thankful. Register at <http://oakmossed.com>.

Sunday, November 20

Iroquois Life and Lore-2:00pm - 03:30pm at Beaver Meadow Audubon Center. Curious about Native American heritage? Join us for an adults-only version of our school Iroquois Workshop where you can experience a hands-on investigation of real tools, artifacts, story-telling and connections to our natural environment. Pre-registration required. Ages 18+. \$5; BMS members save 10%. <https://13520.blackbaudhosting.com/13520/Iroquois-Life-and-Lore>

Community Class: Maintaining your Bike through Winter- 6:00 PM - 7:00 PM. We will show you how to keep your bike ride running in tip top shape. We will also share tips for winter riding and choosing a winter bike. Please RSVP to Stacy Sauvageau at stacy@gobikebuffalo.org. A \$10 donation is suggested.

Tuesday, November 22

Sierra Club Meeting-Join others with the Niagara Sierra Club for their monthly meeting at 7pm at Room 227 Duns Scotus Hall, Daemen College. Visit www.daemen.edu/maps for directions.

Buffalo Green Code Public Meeting-Buffalo Common Council has scheduled two public hearings for consideration of the Buffalo Green Code, including the adoption of the Unified Development Ordinance. 2:00 PM (during Legislation Committee meeting), Common Council Chambers, 13th Floor, City Hall, 65 Niagara Square. *The revised UDO is available [here](#).*

Thursday, November 24

Happy Thanksgiving!

Friday, November 25

Wellness Walk-10:30am. Ate too much on Thanksgiving? Burn off those extra holiday calories with a guided walk in the woods. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Buckhorn Island Birding-10am – 1pm at Buckhorn Island State Park, 2136 West Oakfield Road, Grand Island, NY 14072. Forget the Black Friday deals and get outside with the Birds! Join Audubon Naturalist Tom Kerr for a Birdwatching Hike through Buckhorn Island State Park. The Niagara River hosts one of the biggest congregations of migrating waterfowl in North America. Pre-registration is required. Please call 585-457-3228 to register. Donations gratefully accepted.

Saturday, November 26

Turkey Stroll-10am. After Thanksgiving is a great time for a walk in the woods. Join a guided nature walk to look for wild turkeys and the clues they leave behind. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

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

Sunday, November 27

Field Trip: Niagara River Gulls and Waterfowl Joint Field Trip-Fort Niagara State Park, 1 Scott Ave, Youngstown, NY 14174. ([map](#)) for gulls and waterfowl. Meet at 9:00 AM at Fort Niagara State Park in the parking lot just outside the old fort. Make sure you have a passport, passport card, Nexus, or enhanced driver's license. Dress warmly. Leaders: RBA: Bob Spahn (585-671-5690 or RSPAHN@prodigy.net) and Buffalo Ornithological Tom O'Donnell (716-284-5569 or tmodonnell@roadrunner.com).

Community Workshop: Fix a Flat- 6:00 PM - 7:00 PM. Learn the ins and outs of fixing a bicycle 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. Please RSVP to Stacy Sauvageau at stacy@gobikebuffalo.org. A \$10 donation is suggested for each class.

Family Hike: Wilson Tuscarora State Park- Family hike from 9am until 11am. Dress for the weather! Cost is \$10.00 for a family and will include your guided trip and snacks. Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors. www.pathspeakspaddles.com

Monday, November 28

Clean Air Coalition Member Monday- 4 to 6pm. Clean Air Headquarters - 52 Linwood Ave. ([map](#)). Have a few hours the last Monday of the month? Stop by the Clean Air office, meet other folks that care about their neighborhood and help us with mailings, research, turn out calls, or other important work. Give us a call and let us know you plan on stopping by: 716-852-3813.

Tuesday, November 29

Farm Record Keeping and Tax Preparation: 6pm – 8pm; \$5/family. Running a farm is hard work, but it's even harder if you don't have a good record keeping system! With good recordkeeping you can improve your farm business performance and make your life easier. Get back to the basics with this workshop that will cover business structure, accounting and bookkeeping terms and methods, important financial reports, and best practices along with tax planning and important tax considerations for farm businesses. Pre-registration is required by visiting www.cce.cornell.edu/chautauqua/leaf1617 at least 3 days prior to the workshop you are hoping to attend. To be held at the Frank W. Bratt Agricultural Center, 3542 Turner Road, Jamestown, NY 14701.

Wednesday, November 30

Green Development Tours-8AM. All tours start at 460 Massachusetts Avenue and last approximately one hour. Email juliawhite@pushbuffalo.org to reserve your spot! Check out the work of PUSH Buffalo.

Thursday, December 1

Meat the Farmer- 6pm, \$15. Are you interested in becoming more self-sufficient? Do you want to learn new skills? All class supplies are included with the class fee unless otherwise noted. You MUST preregister and pre-pay for each class and class sizes are limited. Contact Amanda for more information at 433-8839 ext. 231 or by email app27@cornell.edu. More and more people are interested in purchasing meat directly from a farmer, but the whole process can be confusing. This workshop will help you explore this topic in order to make responsible meat purchases and will include a panel discussion with local meat producers. Enjoy a taste of local meat along with local wines throughout the evening. Cornell Cooperative Extension, Niagara County, Fairgrounds.

Saturday, December 3

Ghost of the Harbor-10am to noon at [Buffalo Harbor State Park](#). A winter invasion of haunting Snowy Owls is expected at Buffalo Harbor State Park. Snowy Owls are active during the day and this will be a good chance to see them on a waterfront hike to discover why they made the long journey from the arctic. *Call (716) 549-1050 to register for program.*

Holiday Crafts-1 to 4pm at [DeVeaux Woods State Park](#). Take a break and come join us for a fun-filled and relaxing afternoon of holiday crafts! We will have a variety of simple crafts for you to make. *Call (716) 282-5154 to register for program.*

Breakfast with Santa- 9:00 am – 12 noon. Come visit with the jolly old soul as you enjoy a homemade French Toast breakfast at Beaver Meadow Audubon Center. Activities include holiday themed crafts, along with storytelling, face painting and live animals. Admission includes Breakfast \$7.00 Adults \$5.00 Children Ages 4-12 3 and under Free.

Gift Tags and Ornament- 1pm – 3pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center. Your gifts will stand out with these natural creations! Using materials collected in nature, each participant will leave with 10 gift tags and an ornament designed exclusively by them. Unleash your creativity – sure to be Pinterest worthy! Pre-registration is required. Please call 585-457-3228 to register. \$10 All Ages.

Wild Bird Care for Winter-10:00am to 1:00pm at Grand Island Nike Base Community Center - 3278 Whitehaven Road. An environmental community gathering to include our presentation that shares some easy steps and projects individuals can make that birds will appreciate, increasing opportunities for bird watching and providing a deeper understanding of bird behaviors. Presented in collaboration with the Citizens Coalition for Wildlife and Environment.

GROW WNY: Local Website for Everything Environmental

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

Tips for the Environment:

1. **Know your plastic films and where you can recycle**-many plastic wraps can be recycled, but they can damage recycling machinery if they are added to the wrong recycling bins. If you have single-use plastic bags, turn them in at most retailers (bins at the front of the store). You can also recycle the following plastic in the retailer bins: newspaper bags, dry-cleaning bags, clean produce bags, clean bread bags, plastic wrap from paper products (toilet paper, paper towels), plastic shrink wrap without residue, zipper type bags. For more info on plastic wrap recycling, visit <http://earth911.com/recycling-guide/how-to-recycle-plastic-wrap-film/>.
2. **Reuse and recycle your Tips for the Environment**-we are probably all using CFL bulbs, recycling regularly and engaging in lots of earth-friendly behaviors. If you have tips to share, please send them to me to include. I will be updating the archived list on our new website.

Ongoing Volunteer Opportunities Available

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

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

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

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

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

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

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

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. 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@excaliburl.org or visit <http://excaliburl.org>

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

Go Bike Buffalo- If you're interested or want more information, info@gobikebuffalo.org

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

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

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

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or glight@rochester.rr.com for more information.

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

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

Massachusetts Avenue Project needs volunteers from the 1st week in April through October on Saturdays from 10-1 PM. <http://mass-ave.org/>

Olmsted Parks-Volunteers are needed for tree plantings, special park events, office work and mailings. Please call (716) 838-1249 x. 33 for more info on becoming an Olmsted parks volunteer.

Penn Dixie Paleontological and Outdoor Education Center- Volunteers of all ages and backgrounds are needed. Have a few hours a month to help introduce children and adults to the natural sciences? Call (716) 627-4560.

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.preservationbuffaloniagara.org.

Reinstein Woods Nature Preserve offers a variety of volunteer positions as well as internships for college students. For more info, call 683-5959 or visit <http://www.dec.ny.gov/education/1960.html>.

Science Firsthand needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

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

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

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

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

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

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

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

<http://buffalorising.com>

<http://www.buffalobarnraisers.com/>

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

Additional local blogs and websites-

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

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

Buffalo Niagara Nature Almanac- <http://bnnatureblog.com/>

Buffalo Issues Alert- <http://groups.yahoo.com/group/BfloIssueAlerts/>

Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>

Buffalo Tours- <http://buffalotours.blogspot.com/>

Buffalo Green Fund-<http://www.buffalogreenfund.org/>

Canning Tips for Food Preservation- <http://www.motherearthnews.com>

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

Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>

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

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

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

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

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

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

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

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

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

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

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

Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>

Reuse Action-<http://reuseaction.com/blog/>

Rochester Environment- <http://www.rochesterenvironment.com/>

WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>

Outdoors Niagara- <http://www.outdoorsniagara.com/>

Environmental Tips- <http://www.globalstewards.org/ecotips.htm>

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

Buffalo Architecture and History- <http://www.buffaloah.com/>

Richardson-Olmsted <http://www.richardson-olmsted.com/>

Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029

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- www.ptny.org/bikecanal

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

Rochester Roots-<http://www.rochesterroots.org/>

SOLE of Buffalo- <https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420>

New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>

South Buffalo CREW- <http://www.southbuffalocrew.com/>

U Save Buffalo/Recycling- <http://www.facebook.com/USaveBuffalo>

We Love Outdoors-<http://www.weloveoutdoors.com/>

WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>

Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>

WGRZ Outdoors- <http://www.wgrz.com/local/2-the-outdoors/>

Citizen Science Opportunities- [listing](#)

Green Jobs, Internships and Opportunities

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

Green Jobs- <http://www.greatgreencareers.com> , <http://www.greenjobs.com/>

UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>

Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

New York State Resources

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

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org

www.buffaloaudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

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.glrpr.org/funding/>

<https://attra.ncat.org/index.php>

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

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

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

Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>

Busti Cider Mill- www.busticidermill.com

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

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

Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>

Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>

Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>

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

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

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

Farmers and Artisans- <http://farmersandartisans.com>
Farmthisway CSA - <http://www.farmthisway.com/>
Fenton's Produce- www.fentonsproduce.com
First Light Farm and Creamery- <http://www.first-light-farm.com>
Five Loaves Farm- Kauffman.m@gmail.com
Flavor Farm- www.flavor-farm.com
Good Food Farm- www.goodfoodfarm.blogspot.com
Gormley Farms- <https://www.facebook.com/gormleyfarms>
Green Heron Growers- <http://www.greenherongrowers.com/>
Green Shoots- [www.jersbuffalo.org/index.php/programs/category/Green Shoots for New Americans](http://www.jersbuffalo.org/index.php/programs/category/Green_Shoots_for_New_Americans)
Harvest Patch- <http://www.harvestpatch.com/>
McCollum Orchards/Wildwood CSA- <http://www.oldfarmnewlife.com/>
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>
Native Offerings- <http://nativeofferings.com/>
Niagara Malt- www.niagaramalt.com
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 the Ridge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>
Richardson Farms/Grace's Garden- <http://www.localharvest.org/richardson-farms-graces-garden-M51641>
Roots & Wings Family Farm- <http://www.rootsandwingsfamilyfarm.com>
Root Down- www.therootdownfarm.com
Sinemus Farms- <http://www.sinemusfarms.com/>
Singer Farms Naturals- www.singerfarmnaturals.com
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
T-Meadow Farms- <http://tmeadowfarm.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
NY Sustainable Agriculture Working Group- <http://www.farmtraveleronline.com/>
NYSAWG Links to Farmers' Markets, CSA, Other farms- <http://www.nysawg.org/directory-of-farms.html>
Local Harvest (resource site)-<http://www.localharvest.org/>
NY Agri-women - <http://www.newyorkagriwomen.com/>
Local Meats- <http://meatsuite.com/>

Local Tourism promoting Sustainability

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

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

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://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pantyhose/tights- NoNonsense.com/PantyhoseRecycling.aspx
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448
Recycling A to Z - realsimple
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. accepts clean, white Styrofoam at 2101 Kenmore Avenue, 14207. Please call first at (716) 874-6474.
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
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.wwoof.org/>
<http://www.americanhiking.org/>

Education Courses or Certificates:

Energy University Website with Schneider Electric- [Courses](#) are free
Green Classroom Professional Certificate- Online courses, info [here](#)
Solar Energy Training- <http://www.solarenergy.org/training-schedule/>
Coursera- www.coursera.org

Miscellaneous:

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

Links to area/state environmental/community sustainability organizations and regularly scheduled activities:

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	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
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
Amherst Greenways	http://Amherstgreenways.org
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	http://www.animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Artfarms	http://www.artfarms.org/
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloudubon.org
Buffalo Bike Share	www.buffalobikeshare.org/
Buffalo Brownfields Opportunities Areas	http://buffalobrownfieldopportunities.com/
Buffalo Citybration	http://citybration.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/

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-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Solar Carousel	http://buffaloheritagecarousel.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/

Citizens' Environmental Coalition	www.cectoxic.org/index.html
Citizens for Regional Transit	www.citizenstransit.org/
Citizen Science Community Resources	http://www.airhugger.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.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://chautauqua.cce.cornell.edu/
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.d2lsbuffalo.com/
Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 551-4410	http://www2.epa.gov/aboutepa/epa-region-2
Erie Canal Harbor Development	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://www2.erie.gov/environment/
Erie County Environment Management Council	http://www2.erie.gov/environment/
Erie County Farm Bureau	http://www.ecfarm.com/

Erie County Federation of Sportsmen's Clubs	http://www.eriectyfsc.org/
Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb
Field and Fork Network	http://fieldandforknetwork.com/
Fillmore Corridor Neighborhood Coalition	http://www.fcnc-buffalo.org/
First Hand Learning	www.firsthandlearning.org
Food is our Medicine Project	www.foodisourmedicine.org/
Food Policy Council of Buffalo & Erie County	http://buffaloeriefoodpolicycouncil.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
Garden Clubs of WNY	www.gardenclubsofwny.com
Garden Walk Buffalo	http://gardenwalkbuffalo.com/
Genesee County Nature Center	www.gcv.org
Global Justice Ecology Project	http://globaljusticeecology.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.gbnrtc.org/
Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
Green Development Zone	http://greendevelopmentzone.org/
Green WNY	http://greenwny.com/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffero-Niagara-418537631544691/
Groundwork Buffalo	www.gwbuffalo.org
Habitat for Humanity Buffalo	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
Jane's Walk-Buffero	http://janeswalk.org/united-states/buffalo-ny/
Junior Solar Sprint Buffero	www.jssbuffalo.com
Lake Erie Seaway Trail Center	http://lakeerieseawaytrail.org/
League of Women Voters of Buffero 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/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/

Nature Conservancy-Central and Western New York Chapter	http://Nature.org/centralwestern
Nature Ed-Ventures	www.natureed-ventures.com
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysaccny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	www.nysparks.com
New York State Sea Grant	http://www.seagrantsunysb.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://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafontierbotanicalsociety.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	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/
Open Buffalo	http://www.openbuffalo.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
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
ReNU Niagara	http://www.niagara.edu/renu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://rocbuffalo.org/
Retree Western New York	www.re-treewny.org

ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Roger Tory Peterson Institute	www.rtpi.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	http://www.southbuffaloalive.com/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Sustainable Earth Solutions	www.sustainableearthsolutions.com
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://tonawandacreek.shutterfly.com/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eng.buffalo.edu/esw
UB Environmental Network	https://www.facebook.com/groups/2239558471/
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/
University Heights Collaborative	http://ourheights.org/
UnwasteNY	http://www.unwastenyc.org
Urban Land Institute	http://newyork.uli.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/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	http://www.voice-buffalo.org/index.html
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York 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/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnyssc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA

WNY Peace Center Renewable Energy Task Force

<http://wnypeace.org/new/projects.html>

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

<https://buffalowind.wordpress.com/>

Working for Downtown

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