

Enviro-News

December, 2015

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

Newsletter Contents:

- Articles- including events, courses, local news, grants, positions
- Upcoming Activities
- Tips to Help the Environment; Lesley Haynes' column
- Volunteer opportunities, recycling, CSAs and farms, organization links

Articles:

The Next Two Weeks Shape Our Planetary Future

COP 21, the 2015 United Nations Climate Change Conference, is underway in Paris and it is essential that discussions at this conference lead to a global agreement to address climate change. This is the 21st annual session of the Conference of the Parties (COP21) to the 1992 UN Framework on Climate Change; previous meetings have failed to yield globally accepted agreements. There are signs that this meeting will be different. Pope Francis published an encyclical calling for action on climate change, which has received praise worldwide. In the US, the American Business Act on Climate Pledge is urging world leadership to commit to policy to address climate change; the pledge was signed by 81 companies that represent over \$3 trillion in annual revenue. Unlike previous negotiations, there is also a recognition that there isn't a "one size fits all" policy, so nations will need to develop their own methods to meet the goals of an international agreement. To stay informed on the COP 21 proceedings, visit <http://www.cop21.gouv.fr/en>

Happy Hour: Is Buffalo Really Getting Its Mojo Back?

On **December 1**, Investigative Post Editor Jim Heaney will moderate a lively panel discussion on Buffalo's resurgence with Newell Nussbaumer, founder and editorial director of Buffalo Rising; Henry L. Taylor, a professor and founding director of the Center for Urban Studies at the University at Buffalo; and Rocco Termini, president of Signature Development. Admission includes a free drink. The event begins at 7 p.m. at Allen Street Hardware – 245 Allen St., Buffalo. Tickets are \$10 tickets for non-members and Bronze members. [Tickets](#).

Great Lakes Action Agenda Work Group Meeting

NYSDEC invites the public to a Great Lakes Action Agenda meeting on **Wednesday, December 2** from 1 to 4pm at Reinstein Woods Nature Preserve in Depew. The focus of this meeting will be on defining ecosystem-based management project criteria, discussing sub basin priorities and further developing projects in support of Great Lakes Action Agenda goals.

Green Drinks at ReUse Action

GreenWorks Buffalo Niagara is kicking off December with a collaborative Green Drinks and tour of ReUse Action's new home at 980 Northampton Street in Buffalo on December 3 from 5:30-7:30pm. The event features refreshments and networking with local leaders in the green and sustainable economy. ReUse Action works in green deconstruction to salvage building materials and divert them from the landfill, while providing job training for youth in this emerging green trade. Check out [ReUse Action's facebook page](#) for hours of operation and materials up for sale.

Doctrine of Discovery

The Sierra Club Climate and Clean Energy Writers Group will meet on **Monday December 7** from 6 to 7:30 PM in the Alliance Room - 2nd floor of the Unitarian Universalist Church - 695 Elmwood at Ferry (Use the Garden Entrance). This month's session will feature Agnes Williams showing The Doctrine of Discovery video and discussing how the same ideology by which native lands were stolen contributes to climate change and environmental destruction. This event is free and open to the public.

WNYEA Annual Congress

The Western New York Environmental Alliance (WNYEA) Annual Congress, "Taking Climate Action: The Future of Western New York", is scheduled for **December 8, 2015** at 5:30pm at the Buffalo Museum of Science. The event begins with networking and refreshments, followed by a panel discussion at 6:30pm. This is a future-oriented forum, exploring innovative solutions for a cleaner and sustainable Western NY, with a panel of climate action leaders for proactive and critical discussion of the solutions being offered. The panel represents a range of point of views, including environment, science, social justice, local government, faith, labor, and business. To RSVP, visit <https://growwny.wufoo.com/forms/2015-wnyea-congress-rsvp/>

Christmas Bird Counts: Get Involved in Citizen Science

From December 14 through January 5 each year, thousands of volunteers throughout the Americas brave the weather to take part in the annual Christmas Bird Count. Audubon Society and other groups use data collected in this long-running wildlife census to assess the health of bird populations and to help guide conservation action. When combined with other surveys such as the Breeding Bird Survey, it provides a picture of how the continent's bird populations have changed in time and space over the past hundred years. Each count takes place in an established 15-mile wide diameter circle, and is organized by a count compiler. If you are a beginning birder, you will be able to join a group that includes at least one experienced birdwatcher. The Beaver Meadow Christmas Bird Count will take place on **Saturday, December 19** at 8:00 am. Contact Tom (tkerr.buffaloudubon@gmail.com) for more information. Oak Orchard Count at the Iroquois National Wildlife Refuge in Basom will take place on **Monday, December 28**. Contact Celeste (celeste.morien@gmail.com). For a full listing of Christmas Bird Counts, check out www.buffaloonithologicalsociety.org/calendar-of-trips-meetings-and-events. No matter what your birding skills, this is a fun event for all birding enthusiasts.

Erie County Rain Barrel Painting Contest Entries Now Open!

The Erie County Department of Environment and Planning is proud to announce the **2016 Rain Barrel Painting Contest** for schools and student-based community groups in Erie and Niagara counties in honor of Earth Day 2016! All are encouraged to enter as a team, either through a class or an after-school program. The team will design and paint a rain barrel provided by the Coca-Cola Bottling Company of Buffalo, Inc. for the theme, *Rain Barrels – Every Drop Counts!* The Coca-Cola Bottling Company of Buffalo, Inc. is awarding generous cash prizes for the three winning barrel designs at our annual Earth Day celebration in April, 2016. Student participants will also receive a prize pack from The Buffalo Sabres Green Team. All participating schools will receive their final painted rain barrels to use, donate or raffle as desired. We encourage teachers to incorporate environmental lessons in the classroom wherever possible on conserving resources, stormwater pollution prevention, and reusing materials for a sustainable planet. **This contest is limited to the first 50 entrants. Please register ASAP if you are at [Erie County Rain Barrel Painting Contest](#).**

Buffalo Bike Share

Need a bike to get around downtown or UB? Buffalo Bike Share has different options to provide you with easy access to a bicycle. Check out their location map at <https://buffalo.socialbicycles.com/#map>. You can sign up online at the site and book your next reservation.

Climate Smart Communities - Compact of Mayors Challenge

The Compact of Mayors is a global coalition of mayors and city officials that have pledged to reduce greenhouse gas emissions and enhance resilience to climate change. President Obama has challenged all mayors to commit to a climate action and has set a goal of at least 100 U.S. cities signing onto the compact by the end of November. Two New York cities – New York City and Climate Smart Community Rochester – have already signed on. The Office of Climate Change encourages all Climate Smart Communities to consider joining the Compact. For more info, see <http://www.compactofmayors.org>.

Online Boating Safety Course Available

An “Online Boating Safety” course now provides an option to the 8 hour classroom-based course. Anyone born after 1996 needs a boating safety certificate before operating a motorboat. Info on the course is available at <http://parks.ny.gov/recreation/boating/boating-safety-class.aspx>.

Food not Bombs

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

ReUse Action: Recycling Building Materials

ReUse Action seeks reclaimed building materials to sell at their retail location at 980 Northampton St., Buffalo. They also are interested in salvage opportunities. The store is open from 9am to 4pm on Tuesdays, Fridays and Saturdays. Visit <http://www.reuseaction.com/> for more info on materials available and sought.

“Disruption”

“Disruption” explores the science, the shattered political process, the industry special interests and the civic paralysis that have brought us to our current climate disruption. The film takes us behind-the-scenes of efforts to organize the planet-wide climate rally during the UN World Climate Summit. We are living through an age of tipping points and rapid social and planetary change. We’re the first generation to feel the impacts of climate disruption, and the last generation that can do something about it. The film enlarges the issue beyond climate impacts and makes a compelling call for bold action that is strong enough to tip the balance to build a clean energy future. View it at <http://watchdisruption.com/>

Aquarium of Niagara Special Programs

Three different opportunities at the Aquarium of Niagara allow you to have a unique visit with interactions with marine wildlife. They offer “Meet a Seal”, “Meet a Penguin” and “Behind the Scenes Tours”. Age limits and advance reservations are required for these special programs. Call 716-285-3575, ext. 206 for reservations.

Preservation Buffalo Niagara Docent Training

PBN is excited to announce a docent training course beginning in January 2016. Trainees will learn about the history of the region, along with routes for our classic Buffalo City Hall and Queen City Downtown tours. The course will also feature tour tricks and tips from longtime PBN docents! The course begins on January 9th (and will continue on the 16th, 23rd, and 30th) and will focus on training for the Queen City Downtown route, as well as local history. The Buffalo City Hall portion of the training will take place on February 6th and February 13th. Training will culminate with graduation tours led by trainees. [Click here](#) to learn more information. Applications may be submitted [online](#).

Winter Zoo Camp 2015

Are you looking for a place where your child(ren) can have loads of fun over their holiday break? Why not bring them to Winter Camp Workshops at the Buffalo Zoo! Morning and afternoon workshops allow great family flexibility; sign up for one half day session, a full day or all seven workshops. Dates are: December 28th, 29th, 30th & 31st, 2015. Info at http://buffalozoo.org/winter_camp.html

Zoo Docents Needed

Adult volunteers are needed as Buffalo Zoo docents. Training begins in January 2016 for 14 weeks from 9:30am to 3:30pm on Saturdays. Docents give tours and assist in educational programs offered by the zoo. Applications and interviews are required by December 10. For more info about requirements or to register for an orientation, call (716) 995-6132.

Wildlife Rehabilitation Training

A three-session workshop for Wildlife Rehabilitation will begin on **January 6th** with subsequent sessions on **January 13 and 20**. Sessions meet from 6:30-8:30pm at Griffith Institute High School, 290 North Buffalo Street, Springville. Cost is \$50. This informative hands-on class will prepare you to take the NYS DEC wildlife rehabilitators exam so that you can legally rehabilitate injured and orphaned wild animals. Topics covered will be licensing, triage, stress reduction, wound care and much more. Instructor Paul Fehringer is a NYS Class II rehabilitator as well as a federally licensed rehabilitator and has been caring for wildlife for more than 20 years. For info and registration, visit <http://www.meetup.com/Nature-in-WNY/events/225305876/>.

NOFA-NY Conference in Saratoga Springs

In January 2016, NOFA-NY will hold its 34th Annual Organic Farming & Gardening Conference from **January 22-24** in Saratoga Springs. The theme for the conference—"Good Hard Work: Ecosystems, Economics, Energy & Equity"—honors farmers and farmworkers and the invaluable positive impact organic farming has on the world. To inspire thought and discussion, Rosalinda Guillen, executive director of Community to Community Development, will be the keynote speaker. Rosalinda is known for her efforts to build a broader base of support for rural communities and sustainable agriculture policies that ensure equity and healthy communities for farm workers. For conference agenda and registration, visit www.nofanyconference.org.

Beerology

The Buffalo Museum of Science popular fundraiser "Beerology" is scheduled for **March 5, 2016** from 7 to 10pm. The event features beer tastings, lectures, homebrewing presentations, an exclusive VIP room, and more. Tickets are \$35 for members, \$40 for non-members and \$60 for VIP through January 31. All prices increase \$5 on February 1, so get your tickets early! [Learn More](#)

Forest Protection Announced by Local Organizations

The Nature Conservancy and Buffalo Niagara Riverkeeper announced the successful protection of a 222-acre forest at the headwaters of Eighteenmile Creek, one of Lake Erie's major tributaries. Previously owned by a private landowner, the Eighteenmile Creek forest will now be managed by Erie County Department of Parks and Recreation and open to the community for use and enjoyment. The US Fish and Wildlife Service Great Lakes Restoration Initiative, Joint Venture Habitat Restoration and Protection Program provided over \$170,000 in grant funds to support this project. The Eighteenmile Creek forest consists of a mature mixed hardwood forest overlying a glacial moraine aquifer that feeds a trout stream. Because of this location, the forest filters fresh water, creating a healthy and supportive living environment for local trout populations and other wildlife. Protecting this forest secures a key connection to over 1,000 acres of headwater forest, creating connected landscapes of open space to benefit the public.

Penn Dixie Announces New Executive Director

The Hamburg Natural History Society/Penn Dixie Board have hired Phil Stokes as their new Executive Director to replace Jerry Bastedo who served in this position for almost 13 years and previously as a co-founder and first President of the HNHS. Phil grew up in WNY and completed his undergraduate and master's degrees at SUNY at Buffalo Geology Department before working on his PH.D. in Geosciences with a minor in Teaching and Teacher Education at the University of Arizona in Tucson.

United Nations Climate Change Interactive Guide

To accompany the COP 21 talks in Paris, the United Nations has published an interactive guide on the Framework Convention on Climate Change. This resource includes background on the science of climate change as well as a history of international policy and discussion of ongoing negotiations. Check it out at <http://bigpicture.unfccc.int/>.

Permaculture Videos-See it in Action

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

Worms May Help Eat Plastic

Every year, 6.4 million tons of plastic is dumped into the ocean with additional plastics sent to landfills and littering the ground. New research at Stanford has shown that the tiny mealworm (actually beetle larvae) might just help us solve our massive plastic problem. The larvae can eat and survive on a styrofoam diet, because microorganisms in the worms' guts biodegrade the plastic during the digestion process. The polystyrene material is converted into byproducts of carbon dioxide and tiny pellets of biodegradable material that are excreted and could be used for food crops. More research is needed to understand how the bacteria biodegrade the plastic, but the research holds promise. For more info, visit wormeatingplastic

“Nature is Speaking”

Check out the short films in the “Nature is Speaking” series. Celebrities have narrated the beautifully filmed pieces to raise awareness about our human impact on our environment and our reliance on nature. <http://www.conservation.org/nature-is-speaking/Pages/default.aspx>. Kevin Spacey's “The Rainforest” is particularly well done.

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.

Hiking, Biking and More with ADK

Are you looking for others for hiking and/or biking trips or other ways to enjoy the outdoors? Check out the Adirondack Mountain Club calendar for events. Their current newsletter is available at newsletter.

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](http://learnmoreaboutthenewtoolkit).

Cool Harvest Resource for Climate Change & Diet

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

Educational Talks: Home Energy Savings

Willie A. Price is a certified N.Y.S. Minority Business Enterprise (MBE) that provides educational programming to businesses, schools and organizations. Their housing workshop: "Preparing Your Home for Winter" (The 2 Finger Approach to Energy Savings") is a hands-on introduction of energy saving techniques that can be performed by the presentation attendants. Most of the techniques only requiring 2 fingers to perform. They also offer "No Dream is Impossible", a program which helps participants develop their own road map to building their self-esteem and self-awareness. The program uses a unique approach (The 4 W's: Who, What, Where and Why) which takes the participants through a series of exercises which allows them to know, understand and recognize the reality of their life goals. The program population ranges from middle school youth to adults. For info, visit <http://www.willieapricespeaks.com/>

Start a National Green Schools Chapter at Your School

Now is the time to sign up for a National Green Schools Society Chapter for your school and students. Complete a [NGSS Application](#) TODAY.

Free National Park Pass for Every 4th Grade Student

To help engage and create our next generation of park visitors, supporters and advocates, the White House, in partnership with the Federal Land Management agencies, launched the Every Kid in a Park initiative. The immediate goal is to provide an opportunity for each and every 4th grade student across the country to experience their federal public lands and waters in person throughout the 2015-2016 school year. Beginning September 1st all kids in the fourth grade have access to their own Every Kid in a Park pass at www.everykidinapark.gov. This pass provides free access to national parks, national forests, national wildlife refuges, and more! The Every Kid in a Park pass is good for the 2015-2016 school year, until August 31, 2016.

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.

Free Online Course Covers Drought in America and Actions to Conserve Water

National Environmental Education Foundation has recently launched a free online course devoted to helping the American public understand the science of drought and its impacts, today and in the future. To help the public respond, the course also provides actionable steps individuals can take to reduce their water usage. The course draws on the expertise of trusted agencies and organizations, including NOAA's National Weather Service and Climate.gov, the U.S. EPA's WaterSense program, the National Drought Mitigation Center, and NASA's Goddard Institute for Space Studies. The Dealing with Drought course can be found at: <https://www.udemy.com/dealing-with-drought/>.

Climate Science Webinar

Join the National Oceanic and Atmospheric Administration on **Monday, December 7th at 7:30 pm Eastern Time** for a climate education webinar. Organized by the NOAA's Climate Stewards Education Project, this webinar takes a deep dive into the use of simple models in climate education. Dr. Randy Russell will explore fundamental concepts of climate science that allow students to use simple models to actively investigate scientific issues. The webinar will also include a review of online simulations, games, and virtual labs for climate education. Space is limited. Reserve your spot. (<http://bit.ly/1MSY2q0>)

NY Conservationist for Kids Features Green Chemistry Issue

The Fall 2015 *New York State Conservationist for Kids* issue explores three important concepts strongly linked to the future of our environment and natural resources: green chemistry, sustainability, and biomimicry. By understanding and using these concepts, we can take inspiration from nature and also help to protect it. It can be accessed at <http://www.dec.ny.gov/education/103670.html>.

Teacher's Resources

[The Story of Climate Change](#), an interactive textbook for Grades 5-8 is available for download with iBooks on your Mac or iOS device. Students watch glaciers melt, dive into the world's coral reefs, and explore bike-share programs all from their tablet! The Story of Climate Change is the first interactive iTextbook for middle school students.

[Think It Up](#) invites public school students in grades 7-12 to develop student-powered, teacher-led, crowdfunded learning projects that address real-world problems, generate new ideas, and prepare for 21st-century challenges. With Think It Up, students and teachers develop projects that draw on students' passions and help them pursue their educational goals.

[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.

[Climate Jam Games](#) provide fun resources for students.

[Sustainability in Schools Simulation Game](#)- The Education for Sustainability program under the Sustainability Alliance has designed a simulation game to show administrators and teachers 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 teachers how to use those projects in their curriculum.

[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. The field adventures include making a viewscope to look for underwater plants and animals and crafting a Secchi disc used in measuring water clarity. The app also includes indoor activities.

[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.

[Essential Lens: Analyzing Photographs Across the Curriculum](#) is a multidisciplinary professional development resource for middle and high school teachers about photography's role in documenting history, change and hidden worlds. Climate change, environmental issues, microbiology, earth and space science, and history are among the subjects investigated through photography.

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

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

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

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

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

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

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

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

[PlanetExplore](#)-Find outdoor activities and events in your area through this portal to the outdoors designed to inspire and enable people of all ages to become regularly active outside, and to 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"](#)-Green Living Project is proud to announce our new school assembly program. This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

[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

[Controlling Algae and Water Quality](#)-Calling all entrepreneurs: If you have what it takes to stop the world's growing algae menace, you could win \$10 million from Everglades Foundation of Palmetto Bay, Fla. The goal is to identify the most "cost-effective solution to remove phosphorus from water bodies". The contests launches summer 2016.

[Student Stories Contest](#)-The Nature's Voices Project and Green Schools Alliance third annual Student Stories Contest offer students in grades 6–12 the opportunity to win a cash prize and paid trip to share their story as a keynote speaker at the Green Schools Conference and Expo March 31–April 1, 2016. The contest seeks inspiring stories about how green schools and environmental education transform young people's learning and lives.
Deadline: December 20, 2015.

[Buffalo Zoo Photo Contest](#)-Take your best shot at the Buffalo Zoo and enter to win! This year's photo contest has four categories: Mammal, Reptile/Amphibian/Fish, Bird/Insect, & Youth (16 years old or younger). First second and third prizes will be awarded in each category. For info call (716) 995-6131. **Deadline: December 31, 2015.**

[President's Environmental Youth Award \(PEYA\)](#) recognizes outstanding environmental projects by K-12 youth. Applications are **due by December 31, 2015.**

[Nutrient Recycling Challenge](#)- The U.S. Environmental Protection Agency is partnering with pork and dairy producers, USDA, and environmental and scientific experts to host a competition to find technologies that can recycle nutrients from livestock waste and create valuable products. The Nutrient Recycling Challenge is seeking ideas for cost-effective technologies that extract nutrients (nitrogen and/or phosphorus) from cow or hog manure and concentrate them into a usable and potentially marketable form. Concept papers are due **January 15, 2016**.

[Erie County Rain Barrel Painting Contest](#) for schools and student-based community groups in Erie and Niagara counties in honor of Earth Day 2016! All are encouraged to enter as a team, either through a class or an after-school program. The team will design and paint a rain barrel provided by the Coca-Cola Bottling Company of Buffalo, Inc. for the theme, *Rain Barrels – Every Drop Counts!* **The Coca-Cola Bottling Company of Buffalo, Inc.** is awarding generous cash prizes for the three winning barrel designs at our annual Earth Day celebration in April, 2016. Student participants will also receive a prize pack from **The Buffalo Sabres Green Team**. All participating schools will receive their final painted rain barrels to use, donate or raffle as desired. We encourage teachers to incorporate environmental lessons in the classroom wherever possible on conserving resources, stormwater pollution prevention, and reusing materials for a sustainable planet. Contest limited-register early.

Grant and Scholarship Opportunities

[NYS Park and Trail Partnership Program](#)- The new grants program will enhance the preservation, stewardship, interpretation, maintenance and promotion of New York State parks, trails and state historic sites by investing in the organizations that support these treasured places. Deadline: **December 4, 2015**.

[21st Century Fund](#), a fund and giving circle of the Community Foundation for Greater Buffalo, is now accepting applications from nonprofit organizations for its 2015-2016 grant cycle. Applications must be submitted online. Deadline: **December 4, 2015**.

[NSF Discovery Research PreK–12 Program and Solicitation](#)- invites proposals that address immediate challenges that are facing PreK–12 STEM education as well as those that anticipate radically different structures and functions of PreK–12 teaching and learning. Learn about the DRK-12 program and solicitation by attending a webinar led by NSF and hosted by CADRE. Deadline: **December 7, 2015**.

[P3-People, Prosperity and the Planet Award Program](#) of US EPA is seeking applications proposing to research, develop, and design solutions to real world challenges involving the overall sustainability of human society. Research areas are Energy, Built Environment, Materials and Chemicals, and Water. Degree-granting institutions of higher learning in the United States are eligible to apply to be the recipient of a grant to support teams of undergraduate and/or graduate students. The first phase is a competition for one-year grants of up to \$15,000 to test, research, and develop innovative scientific projects or engineering designs that will promote sustainable development. **Deadline: December 8, 2015**.

[Wells Fargo Environmental Solutions for Communities Grant Program](#) is funded in collaboration with the National Fish and Wildlife Foundation. Together, we identify and fund local environmental nonprofits that are working on high impact projects across our targeted communities. Deadline: **December 10**.

[Erie County Federation of Sportsmen's Clubs College Scholarship](#)-up to five \$200 scholarships for those attending college in environmental conservation, law enforcement or environmental pollution and a resident of Erie County. Deadline: **December 15**.

[Food Insecurity Nutrition Incentive Grant Program](#)- U.S. Department of Agriculture program seeks to support projects that increase the purchase of fruits and vegetables among low-income consumers participating in the Supplemental Nutrition Assistance Program by providing incentives at the point of purchase. Grantees will be expected to conduct a project assessment and to cooperate with and contribute to an independent evaluation to determine relative effectiveness of the grant program in "increasing fruit and vegetable purchases" and "improving the nutrition and health status" of participating households. **Due: December 16th, 2015**.

[Herb Society of America Grant for Educators](#) rewards innovative projects that enhance herbal education in school systems, in communities, or in any public forum (electronic or person-to-person). It requires learning goals and a mechanism to measure the educational outcomes. Applications are requested from educators (formal or informal teachers), persons engaged/employed in botanical or horticultural activities, museum directors, botanical / garden writers, small herbal business owners. Proposals from students will not be accepted. Deadline: **December 31**.

[Katie's Krops Grants](#) offers grants to youth between the ages of 9 and 16 in the United States to start vegetable gardens with the harvest donated to feed people in need. The winners will be awarded a gift card to a garden center in their area (up to \$500), support from Katie's Krops, and a digital camera to document the garden and the harvest. Deadline: **December 31**.

[Great Lakes Research Consortium Small Grants Program](#) provides seed funding for new, cooperative projects that improve our understanding of, and/or management of, New York's Great Lakes basin. The program supports collaborative projects and grant awards can be used for preliminary research, project planning, as seed money for pilot projects that will lead to larger projects, or to support small-scale projects consistent with the priorities of NY's Great Lakes Interim Action Agenda. Deadline: **January 9**.

[The New York State New Farmers Grant Fund](#)- purpose is to provide grants to support beginning farmers who have chosen farming as a career and who materially and substantially participate in the production of an agricultural product on their farm. These grants will help farmers improve profitability resulting in the growth of agribusiness and the concomitant tax revenues within the state. **Deadline: January 22, 2016**.

[The Aquatic Invasive Species \(AIS\) Spread Prevention Program](#) will support projects that foster public education and outreach in water bodies with multiple small-bodied AIS that can easily be spread to uninvaded areas. Other projects eligible for this grant include the installation of decontamination stations and boat steward training programs in high priority areas. In addition, the grant is intended to foster collaboration and coordination among state agencies, municipalities, not-for-profits and educational institutions to minimize the harm invasive species cause to New York's environment, economy, and human health. **Deadline: January 29**.

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

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

[Five Star & Urban Waters Restoration Program](#)- seeks to develop community capacity to sustain local natural resources for future generations by providing modest financial assistance to diverse local partnerships focused on improving water quality, watersheds and the species and habitats they support. Projects include a variety of ecological improvements including: wetland, riparian, forest and coastal habitat restoration; wildlife conservation; community tree canopy enhancement; and/or water quality monitoring and stormwater management; along with targeted community outreach, education and stewardship. NFWF may use a mix of public and private funding sources to support any grant made through this program and priority will be given to projects that advance water quality goals in underserved communities. **Deadline: Wednesday, February 3, 2016**.

[Organic Farming Research Foundation Grants Program](#) is currently accepting research proposals. OFRF encourages farmers, ranchers, graduate students, early career researchers, veterans, and Extension personnel to consider applying. OFRF will fund projects up to \$15,000 for one year. Projects addressing the priority area of soil health and water management are eligible for \$20,000 to be spent over two years. **Deadline: February 8, 2016**.

[Environmental Justice Collaborative Problem-Solving](#) (EJCPS) cooperative agreements will be awarded to local community-based organizations seeking to address environmental and/or public health concerns in their communities through collaboration with other stakeholders. Organizations are encouraged to have a connection between the proposed project activities and applicable neighborhood, local, city, or regional land use planning efforts. **Deadline: February 12, 2016.**

[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.**

[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. Beginning in 2014, the program will operate as a closed RFP, invitation only process where Wells Fargo engages specific institutions whose work aligns with our giving criteria. If you would like to submit a topic for consideration please email a brief description (150 words or less) to: environmental.affairs@wellsfargo.com

[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. Whether it is turning a vacant lot into a community garden, rebuilding a school playground or helping senior citizens get their homes ready for winter, they want to hear what project you're passionate about. **Deadline: Rolling.**

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

[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.**

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

[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, at places such as community gardens, public schools, city/state parks, low-income neighborhoods, Native American reservations, international hunger relief sites, and animal sanctuaries. **Deadline: Rolling.**

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

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

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

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

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. 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.

[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.

[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](#).

[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

[Excelsior Conservation Corps \(ECC\)](#) will be an AmeriCorps program run in partnership with the NYS Department of Environmental Conservation, the NYS Office of State Parks, Recreation, and Historic Preservation, the NYS Commission for National and Community Service, and the Student Conservation Association. There will be 50 ECC members in New York, all between ages 18 and 25. ECC members will be based at Morrisville State College and will all receive training and certifications in wilderness first aid, trail construction, stone and timber construction, carpentry, risk management and emergency response, outreach, and backcountry living. Over their 10 month commitment, members will sometimes stay at backcountry and satellite locations, where they will camp or stay in DEC or OPRHP cabins.

[Executive Director, Genesee Transportation Council](#)- For Metropolitan Planning Organization for the nine-county Genesee-Finger Lakes Region, which includes the Rochester, New York metropolitan area and is comprised of Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Wayne, Wyoming, and Yates Counties. Executive Director will provide strategic, technical, and administrative leadership in overseeing the continuous, cooperative, and comprehensive transportation planning process; is responsible for the administration of the affairs and operation of GTC and its staff. Deadline: **December 23**.

[Executive Director, Interfaith Power and Light](#)-New York Interfaith Power & Light is a faith--based nonprofit organization working to fight climate change. The New York state chapter has 110 member congregations throughout New York. We help congregations reduce their carbon footprint, increase energy efficiency, explore opportunities to use renewable energy, and educate their members on climate change. We also encourage people of faith to speak to politicians and others in positions of power about global warming, and to collaborate with other faith communities in these efforts. We are seeking a part-time (20 hours/week) Executive Director. This is a work--from--home position, and can be located anywhere in the state of New York.

[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.

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.

Get Involved in Environmental Change in WNY

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

Upcoming Community Activities:

Tuesday, December 1

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series- Downtown Buffalo & Erie County Public Library at “Ring of Knowledge” area. Free to all. Noon - 12:30 P.M. "From Monet to Van Gogh: A History of Impressionism : The First Exhibition", The Great Courses Video #9 by Professor Richard Brettell, The University of Texas at Dallas; 12:30 - 1:00 P.M. "IMAGINE Lifelong Learning and Buffalo Niagara as a Bi-National Cultural & Nature Center: The Arts + STEM = STEAM", Speaker - Michele Agosto, Supervisor of Art, Buffalo Public Schools.

Wildlife of Erie County-6:00pm - 08:00pm. SPCA's Wildlife Department will share heart-warming stories and remarkable case studies of their wildlife patients. Veterinarian Dr. Karen Moran, Vet Technician Bev Joves and Director of Wildlife Rehab Barb Haney will present, along with the SPCA's live wild education animals. Preregistration required; ages 8+. \$5 non-members, BMS Members save 10%. [register](#)

Happy Hour: Is Buffalo Really Getting Its Mojo Back?-Investigative Post Editor Jim Heaney moderates a lively panel discussion. Participants include Newell Nussbaumer, founder and editorial director of Buffalo Rising; Henry L. Taylor, a professor and founding director of the Center for Urban Studies at the University at Buffalo; and Rocco Termini, president of Signature Development. Admission includes a free drink. 7 p.m. at Allen Street Hardware – 245 Allen St., Buffalo. Tickets: \$10 tickets for non-members and Bronze members. [Tickets](#)

Climate Change Theatre Action- 7 to 8:30pm at Hallwalls Art Center, 341 Delaware Ave., Buffalo. A reading of short plays, poems, and songs on the theme of climate change by some of today's most exciting writers.

Wildlife of Erie County-6:00pm - 08:00pm at Tiff Nature Preserve. SPCA's Wildlife Department will share heart-warming stories and remarkable case studies of their wildlife patients. Veterinarian Dr. Karen Moran, Vet Technician Bev Joves and Director of Wildlife Rehab Barb Haney will present, along with the SPCA's live wild education animals. Preregistration required; ages 8+. \$5 non-members, BMS Members save 10%. [register](#)

Wednesday, December 2

Greater Buffalo Niagara Regional Transportation Council Meeting- 9:30 AM . Public Welcome. 716-856-2026. 100 Seneca St., Buffalo.

Great Lakes Action Agenda Work Group Meetings- 1 to 4pm at Reinstein Woods Nature Preserve. Public is invited-discussion on priorities for New York's Great Lakes basin.

“Transition NYS to 100% Clean Energy” - Talk by Mark Dunlea, 7:00pm, Network of Religious Communities, 1272 Delaware Ave., Buffalo.

Participatory Budget Delegate Orientation (APPLICATION REQUIRED!)- 10am – 11am at Delavan Grider Center, 877 E Delavan Ave, Buffalo, NY 14215. If you're interested in being a PB Budget Delegate, please go to <http://www.pbbuffalo.org/> to fill out an application!

Green Development Zone Tour-8:00 AM - 9:00 AM. Get an up close and personal look at PUSH Buffalo's community work by joining us on one of our hour long walking tours. Tours are strictly one hour and begin at 460 Massachusetts Avenue (side door) at 8:00AM. Dress appropriately as this is a walking and/or driving tour. Space is limited! Contact Development Assistant Julia White at juliawhite@pushbuffalo.org or call 716-882-2672 to reserve your spot.

Buffalo Talks: “Development of Residential & Commercial Property”-noon to 1pm at the Central Library in Buffalo. Guest Speaker: Paul Kolkmeier, President & CEO of Priam Enterprises, LLC which was formed in 2007 as a privately held real estate investment and development company. Priam Enterprises latest acquisitions include: Marine Trust 237 Main, Stanton 251 Main, Roblin – 241 Main. Paul will be giving WFD an update on these building and his plans for their future redevelopment. Free to public.

Thursday, December 3

After School Escape- 4:30-5:30 p.m. at Reinstein Woods Nature Preserve. Kids and their parents or caregivers together can enjoy a different, fun, hour-long outdoor activity each week. For kids in grades K through 5. No registration required. Info at 716-683-5959.

“Race, Gender and the Environment”- Talk by Winona LaDuke at St. Bonaventure University at 7:00 pm in Dresser Aud. Murphy Bldg. The event is free and open to the public.

Green Drinks at ReUse Action- [GreenWorks Buffalo Niagara](#) is kicking off December with a tour of ReUse Action's new home. 980 Northampton Street Buffalo, NY 14211, 5:30 -7:30 PM.

"The Risks of Transporting Bakken Crude Oil by Rail"-Talk by Charley Bowman at 6 PM at Crane Library, 633 Elmwood Ave, Buffalo NY. In spite of the ongoing derailments, spills and explosions, trains continue to carry explosive Bakken shale crude oil throughout the US and Canada, including Upstate New York State and Buffalo. In July 2013, such a train derailed and exploded, killing 47 people and leveling much of Lac Megantic Quebec's downtown infrastructure. Charley will discuss Lac Megantic's ongoing recovery and the little noticed risk crude-by-rail transport poses to New York State's precious aquifers -- some providing drinking water to thousands of NY State residents.

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.

Adventures in Buffalo History- 7-9 PM at First Presbyterian Church of Buffalo on Symphony Circle. Cost per session: \$10. This session features “Buffalo as seen through its postcards” by Jim Mayer and “The Erie Canal” by Debra Hall-Stonish.

Friday, December 4

Canalside Holiday Celebration and Tree Lighting- 5:00 pm - 7:30 pm at Ice at Canalside, 44 Prime St., Buffalo.

Saturday, December 5

Breakfast with Santa – 9am to noon at Beaver Meadow Audubon Center. Activities include holiday crafts, storytelling, face painting and live animals. Admission price of \$7.00 Adults and \$5.00 Children includes breakfast. Three and under are free. Beaver Meadow is located at 1610 Welch Road, North Java. For more information, contact Beaver Meadow at 585-457-3228 or email info@buffaloaudubon.org

Walk at Knox Farm State Park -9am. Take a leisurely hike along the trails to see what winter has to offer in the park. (KF) Donations. For more info, contact Beaver Meadow at 585-457-3228 or email info@buffaloudubon.org

Playing With Books-10am. Explore artful ways to recycle your favorite old books and calendars into beautiful, useful objects. For adults and kids ages 10 and older. Materials fee \$3/person; free for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Zooper Saturday -Featuring river otters & polar bears.Come visit some animals at the Buffalo Zoo who are happy to welcome winter to Buffalo! Experience keeper talks and animal enrichments with the North American river otters, and our polar bears. Zooper Saturday from 1 p.m. - 3 p.m. events are free with Zoo admission. For more information please call (716) 995-6133.

Tree Lighting-Join the Buffalo Zoo in a new holiday tradition kicking off the most wonderful time of year! Enjoy carolers, hot chocolate, animal meet and greets, festive activities and be dazzled when the Zoo lights it's holiday tree for the first time. Zoo admission is just \$5 per guest (valid members receive free admission) starting at 3:00 p.m. Admission gates will remain open until 5:00 p.m. The holiday tree will be lit at 5:15 p.m. near the Zoo's brand new Arctic Edge exhibit featuring Luna and her friends.

Roger Tory Peterson Institute of Natural History's Holiday Open House – 10AM – 4PM. Enjoy the work of bird artist Michael DiGiorgio, a contributor to the most recent edition of the Peterson Field Guide to the Birds, as well as: Free Admission, refreshments, Roger Tory Peterson artwork and memorabilia, part of Swedish Christmas Market Day in Jamestown (“Julmarknad” organized by the Scandinavian Studies Program at SUNY-JCC). www.rtpi.org

Sunday, December 6

Buffalo Area Daylily Society- Meeting at 2 p.m. at the Aurora Senior Citizens Center, 101 King St., East Aurora. The doors open at 1 p.m. Nikki Schmith, incoming president of the American Hemerocallis Society, will speak on “The Collective Experience.” With gorgeous photos of her experiences as part of the group, she will talk about why gardeners should be members of gardening groups, and how those who are already members of gardening groups can recruit new members.

Maintaining your Bike through the Fall & Winter-6:00 PM - 8:00 PM. We will cover hub overhauling and adjustment, wheel truing, and how to fix a broken spoke. Practice wheels will be available to work on but participants may also bring their own wheels.All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Suggested donation is \$10 and limited to 10 people. Please RSVP to stacy@gobikebuffalo.org if you plan to attend.

Monday, December 7

Sierra Club Climate and Clean Energy Writers Group Meeting- 6 to 7:30 PM in the Alliance Room - 2nd floor of the Unitarian Universalist Church - 695 Elmwood at Ferry (Use the Garden Entrance). This month's session will feature Agnes Williams showing The Doctrine of Discovery video and discussing how the same ideology by which native lands were stolen contributes to climate change and environmental destruction. This event is free and open to the public.

Tuesday, December 8

WNY Environmental Alliance Annual Congress- 5:30 to 7:30pm. “Taking Climate Action: The Future of Western New York.” 5:30pm networking, refreshments, Museum exhibits. 6:30pm Panel discussion. Buffalo Museum of Science, 1020 Humboldt Parkway, Buffalo. Free and Open to the Public. RSVP at <https://growwny.wufoo.com/forms/2015-wnyea-congress-rsvp/>

Lovejoy Council District Green Code Meeting-6:00 pm - 8:00 pm at Schiller Park Senior Center, 2057 Genesee Street, Buffalo, NY 14211. Public welcome.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series- Downtown Buffalo & Erie County Public Library at "Ring of Knowledge" area. Free to all. Noon - 12:30 P.M. "IMAGINE Lifelong Learning: The Pursuit of Happiness", "Understanding the World's Greatest Structures: Science and Innovation from Antiquity to Modernity- Loads and Structural Systems", The Great Courses Video #9 by Professor Stephen Ressler, US Military Academy at West Point. 12:30 - 1:00 P.M. "IMAGINE Lifelong Learning and Buffalo Niagara as a Bi-National Cultural & Nature Center: The Arts + STEM = STEAM" Speaker - Christopher Catanzaro, Project Manager, Erie Canal Harbor Development Corporation "Canal Side Design".

Niagara Frontier Botanical Society General Meeting- 7:30 p.m. at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except November and April meetings). All General Meetings are open to the public and free of charge. Annual Members Night. Please bring your interesting botanical specimens or photos to share, a topic for discussion, or information on a topic that will expand our knowledge.

Cooking with Traditional White Corn-Food Is Our Medicine of the Seneca Nation will a cooking class using traditional white corn. Learn how to prepare pork chili and other easy-to-make white corn dishes. Both demonstrations will be an educational, hands-on tasting experience. Please RSVP to Lafayette Williams at 532-4900, ext. 5016 or Lafayette.williams@sni.org. 5 to 7 p.m. Tuesday, Dec. 8 in the Cattaraugus Health and Wellness Center, 26 Thomas Indian School Dr., Irving.

Wednesday, December 9

"Cupcakes and Climate Ride" –GoBike Buffalo. 6pm Pot luck dinner, 6:30pm Panel discussion, 7pm-8pm Slow roll ride. Ashker's Juice Bar, 1002 Elmwood Ave., Buffalo.

WNY Food Hub Info Session- Eden Valley Growers (EVG) will host the meeting from 11am-1pm at the Erie County Fire Training Facility, 3359 Broadway, Cheektowaga, NY 14227. The meeting will be in room 112, access through the southeast entrance facing the back parking lot. For more information and to reserve your spot at this free meeting, please RSVP to Dave Walczak by December 1, 2015 at 716-992-9721 or dnwedenvally@roadrunner.com

South Council District Green Code Meeting-6:00 pm - 8:00 pm at Southside Elementary School 430 Southside Parkway, Buffalo, 14220. Public welcome.

Buffalo Ornithological Society Annual Holiday Celebration - 7:00 PM in the Jaeger Room of the Buffalo Museum of Science. Please bring a treat to share and enjoy an evening of birding friendship. We will also elect officers for 2016. Buffalo Museum of Science, 1020 Humboldt Pkwy, Buffalo, 14211.

Cooking with Traditional White Corn-Food Is Our Medicine of the Seneca Nation will a cooking class using traditional white corn. Learn how to prepare pork chili and other easy-to-make white corn dishes. Both demonstrations will be an educational, hands-on tasting experience. Please RSVP to Lafayette Williams at 532-4900, ext. 5016 or Lafayette.williams@sni.org. 5 to 7 p.m. Wednesday, Dec. 9 in the Diabetes Unit Wellness Room 185D of the Lionel R. John Health Center, 987 R.C. Hoag Dr., Salamanca.

Thursday, December 10

After School Escape- 4:30-5:30 p.m. at Reinstein Woods Nature Preserve. Kids and their parents or caregivers together can enjoy a different, fun, hour-long outdoor activity each week. For kids in grades K through 5. No registration required. Info at 716-683-5959.

Plant and Soil Health and Fertility, Crop Insurance-7 to 9 pm. Classes generally will be held at the Frank W. Bratt Agriculture Center, 3542 Turner Rd., Jamestown. To register, contact Katelyn Walley-Stoll at (716) 664-9502 ext. 202 or kaw249@cornell.edu or [online](#). The cost is \$5 for farm family.

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.

Tree Care Workshop-For professionals, municipal staff, foresters and community tree enthusiasts to learn about safety and liability considerations for working with ash trees, especially as it relates to the emerald ash borer (EAB) infestations in Western New York. The workshop will feature indoor learning sessions and a brief outdoor live line electricity demonstration. at the Erie County Emergency Services Training Center in Cheektowaga, NY. The cost is \$25 before 12/2 or \$35 for late registration and includes lunch. For more info, contact Pat Marren at 716-851-7046.

Friday, December 11

GBNRTC Policy Committee Meeting-10am to noon at the Conference and Event Center in Niagara Falls, 101 Old Falls St., Niagara Falls. Agenda [here](#)

Buffalo Astronomical Association Meeting and Holiday Party- 7:30pm at Buffalo State College Classroom Bldg Room C122. December meeting begins with a short presentation preceding a great spread of food and beverages and the opportunity to meet new members and catch up with old friends.

Saturday, December 12

Goat Island Gulls at Niagara Falls State Park – 10am to noon. Goat Island – Meet at Lot 3. Start your weekend with the birds! Join Naturalist Tom Kerr for a walk around Goat Island and Niagara Falls to see the thousands of Gulls that make their winter home in the rapids above Niagara Falls. 19 species of Gulls have been observed in the Niagara River, we'll see how many we can find! Binoculars are available. Pre-registration is required. Donations. 585-457-3228.

Boy Scout Sustainability Merit Badge Workshop – 10am to 3pm. This badge is required for Eagle Scout. Water, food, community, energy, and your precious stuff are all elements of your life that relate to sustainability. We will explore the ways you and your family can creatively help make our world more sustainable. Pre-registration is required. (BM) \$12 per Scout. 585-457-3228.

Introduction to Geo-caching-10:30am. Participants will learn to use a Global Positioning System (GPS) unit in the popular treasure hunting game called geo-caching. For adults and kids ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Friends of Reinstein Woods Holiday Party- 1 to 4pm. Friends of Reinstein Woods members will celebrate the beauty of winter at their annual holiday gathering. New members are welcome! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Holiday Craft Making-2:00pm - 04:00pm at Tiff Nature Preserve. Create one-of-a-kind holiday gifts using natural and recycled materials and easy techniques. Preregistration required; ages 5+. \$6 non-members, BMS Members save 10%. [register](#)

Breakfast with Santa at the Buffalo Zoo-Celebrate the holiday spirit with Santa and the Zoo animals! There will be two seatings each day at 9:00 a.m. and 11:00 a.m. Santa's elves will be hard at work treating everyone to a breakfast buffet provided by CJ's Catering, activities for the children, admission to the Zoo and, of course, a chance to visit with Santa himself! Pre-paid, nonrefundable tickets are required due to limited seating. Ticket prices for non-members are \$17 for adults and \$14 for children. Members receive a \$5 discount per ticket. To purchase tickets, please call (716) 995-6133 or [CLICK HERE](#).

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

"Deck the Halls" - 10 a.m. to 4 p.m. Free photos with Santa, crafts and holiday entertainment await you at the annual Niagara Power Vista Also enjoy free rides on the Niagara Scenic Trolley between the Niagara Power Vista and Gorge Discovery Center compliments of NYS Parks Recreation and Historic Preservation. For more information, call 866-NYPA-FUN or email npvista@nypa.gov.

Make a Gift for Nature Program- 10:30 am-12:30pm. Enjoy a great time at Pfeiffer Nature Center's "Make 'n' Take A Nature Gift"! You will love to give (or not!) this gift of a bird feeder that you will make using peanut butter, bird seed, oranges and pine cones. All ages will enjoy creating these with all the wonderful smells! Bring yourself, your kids, and/or a friend and we'll provide the supplies and fun. This program is in conjunction with the Portville Library's holiday celebration. Santa Claus will be visiting and there will be lots of other library craft activities going on too! Location: Portville Free Library 1 N. Main Street, Portville. This activity is free and open to the public. Donations are gratefully accepted. Pre-registration is not required. Children must be accompanied by an adult. For more info: 716-933-0187 or visit www.pfeiffernaturecenter.org.

Sunday, December 13

"Go and Catch a Falling Star!"- 7 to 9pm. Evangola State Park. The Geminid Meteor is now considered by most experts as the most brilliant and reliable meteor shower surpassing the August Perseids shower! So bring a blanket and lawn chair and enjoy up to 100 blue green streaking meteors an hour! *Call (716) 549-1050 to register for program.*

Breakfast with Santa at Niagara Aquarium-Bring your children and enjoy a breakfast and a visit with Santa along with other fun things including prizes, crafts, a special sea lion show and a few other surprises. Adult members pay \$7 and member children are free. For non-members, adults \$14; children \$11 each.

Bike Crafts- 6 to 8pm. Come have some fun and get creative with us. Learn how to make unique bikecentric jewelry, home décor, and more. All classes are held at the GOBike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Suggested donation is \$10 and limited to 10 people. Please RSVP to stacy@gobikebuffalo.org if you plan to attend.

Breakfast with Santa at the Buffalo Zoo-Celebrate the holiday spirit with Santa and the Zoo animals! There will be two seatings each day at 9:00 a.m. and 11:00 a.m. Santa's elves will be hard at work treating everyone to a breakfast buffet provided by CJ's Catering, activities for the children, admission to the Zoo and, of course, a chance to visit with Santa himself! Pre-paid, nonrefundable tickets are required due to limited seating. Ticket prices for non-members are \$17 for adults and \$14 for children. Members will receive a \$5 discount per ticket. To purchase tickets, please call (716) 995-6133 or [CLICK HERE](#).

Monday, December 14

Berries and fruit trees- 6pm. Orleans County Cornell Cooperative Extensive Master Gardeners fall education series at the Orleans County 4-H Fairgrounds, 12690 NY-31, Albion. To register for classes contact Kim Hazel at (585) 798-4265, ext. 26 or mgorleanscce@cornell.edu. The cost is \$5. Learn the basics of growing berries and fruit trees on your own property. Come ready to sample a few local apple varieties while the presenters cover site selection and preparation, variety selection, general growing guidelines and orchard pest management. **Please register by Monday, Dec. 7.**

Erie Canal Harbor Development Corp. Board of Directors Meeting-10:30am at 95 Perry St., Suite 500, Buffalo. Public welcome.

Tuesday, December 15

Climate Change and Human Responsibility-WNY Chapter of the American Meteorological Society meeting with speaker Dr. Lynda Schneekloth, UB Professor Emerti of School of Architecture and Planning. 7pm at SUNY Buffalo State, Room A209, Classroom Bldg, Park in Lot I-37 and follow AMS signs. AMSChapterWNY@gmail.com.

African Violet & Gesneriad Society Meeting- 7 p.m. at the Lancaster Volunteer Ambulance Corps, 40 Embury Place, Lancaster. The topic will be lighting and will include information on LED's vs T-5, T-8, T-12 and natural light.

Cornell Cooperative Extension of Erie County Board of Directors Meeting- 7 to 9pm at 21 South Grove St. East Aurora, NY 14052. Public welcome. [info](#)

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series- Downtown Buffalo & Erie County Public Library at "Ring of Knowledge" area. Free to all. Noon - 12:30 P.M. "IMAGINE Lifelong Learning: The Pursuit of Happiness", Tocqueville and the American Experiment: Are Democracy and Excellence Compatible?" , The Great Courses Video #23 by Professor William R. Cook, State University of New York at Geneseo. 12:30 - 1:00 P.M."IMAGINE a Healthy, Wealthy, and Sustainable Community: The Art of Investing Locally", Speaker - Robert Petersen, Treasurer, St. John's Grace Episcopal Church, "Imagine Creating a Legacy Culture.

Natural Resources Conservation Service Local Conservation Work Group Public Meeting-For the Erie and Wyoming Counties Field Team. 10:00 AM – 2:00 PM at USDA Agricultural Service Center 50 Commerce Way, East Aurora, NY 14052. The Local Work Group will focus on identifying agricultural and natural resource issues existing in the community and providing information and feedback to direct NRCS programs. Participants can be agricultural producers; owners of nonindustrial private forest land; representatives of agricultural and environmental organizations; and representatives of governmental agencies carrying out environmental, agricultural, or natural resource conservation programs and activities. (716) 652-8480.

Wednesday, December 16

West Valley Citizen Task Force Meeting- 6:30 - 9:00 p.m. at Ashford Office Complex, 9030 Route 219, West Valley, NY. The next scheduled meeting is December 16. However, the Citizen Task Force traditionally has not met in December. Please check back to confirm the next meeting.

<http://www.westvalleyctf.org/meetings.html>

Thursday, December 17

After School Escape- 4:30-5:30 p.m. at Reinstein Woods Nature Preserve. Kids and their parents or caregivers together can enjoy a different, fun, hour-long outdoor activity each week. For kids in grades K through 5. No registration required. Info at 716-683-5959.

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

Friday, December 18

Green Development Zone Tour-8:00 AM - 9:00 AM. Get an up close and personal look at PUSH Buffalo's community work by joining us on one of our hour long walking tours. Tours are strictly one hour and begin at 460 Massachusetts Avenue (side door) at 8:00AM. Dress appropriately as this is a walking and/or driving tour. Space is limited! Contact Development Assistant Julia White at juliawhite@pushbuffalo.org or call 716-882-2672 to reserve your spot.

Saturday, December 19

116th Annual Christmas Bird Count - 8am to noon. Join other birdwatchers from all over Western New York in the oldest running citizen science project in the world! Spend the morning counting birds in and around Beaver Meadow to help scientists understand changes in our local and worldwide bird populations. Call Beaver Meadow at 585-457-3228 or email Tom Kerr (tkerr.buffaloaudubon@gmail.com) to register today. Birders of all ages and experience levels are welcome. Binoculars are available.

Bird Count in Wilson-Lake Plains-Contact Garner Light p: 716-491-4408 e: garnerlight@hotmail.com for details.

Stories in the Woods- 10:30am. 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.

Breakfast with Santa at Niagara Aquarium-Bring your children and enjoy a breakfast and a visit with Santa along with other fun things including prizes, crafts, a special sea lion show and a few other surprises. Adult members pay \$7 and member children are free. For non-members, adults \$14; children \$11 each.

Breakfast with Santa at the Buffalo Zoo-Celebrate the holiday spirit with Santa and the Zoo animals! There will be two seatings each day at 9:00 a.m. and 11:00 a.m. Santa's elves will be hard at work treating everyone to a breakfast buffet provided by CJ's Catering, activities for the children, admission to the Zoo and, of course, a chance to visit with Santa himself! Pre-paid, nonrefundable tickets are required due to limited seating. Ticket prices for non-members are \$17 for adults and \$14 for children. Members will receive a \$5 discount per ticket. Tickets for children under the age of 24 months are free. (High chairs are not available.) To purchase tickets, please call (716) 995-6133 or [CLICK HERE](#).

Sunday, December 20

Fix a Flat- 6:00 PM - 8:00 PM. Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss different types of punctures as well as flat prevention. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Suggested donation is \$10 and limited to 10 people. Please RSVP to stacy@gobikebuffalo.org if you plan to attend.

Christmas Bird Count-Buffalo Ornithological- Contact David Gordon p: 716-390-1429 e: dgordonphoto@yahoo.com for details.

Breakfast with Santa at the Buffalo Zoo-Celebrate the holiday spirit with Santa and the Zoo animals! There will be two seatings each day at 9:00 a.m. and 11:00 a.m. Santa's elves will be hard at work treating everyone to a breakfast buffet provided by CJ's Catering, activities for the children, admission to the Zoo and, of course, a chance to visit with Santa himself! Pre-paid, nonrefundable tickets are required due to limited seating. Ticket prices for non-members are \$17 for adults and \$14 for children. Members will receive a \$5 discount per ticket. Tickets for children under the age of 24 months are free. (High chairs are not available.) To purchase tickets, please call (716) 995-6133 or [CLICK HERE](#).

Tuesday, December 22

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

Thursday, December 24

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

Friday, December 25

Merry Christmas!

Saturday, December 26

The History of Beaver Meadow – 10am to noon. Join Naturalist Mark Carra for an easy hike around Beaver Meadow with a focus on our long and storied past. From settlers to Nature Center and everything in between. Pre-registration is required. (BM) Donations. 585-457-3228.

Family Birdwatching Walk at Losson Nature Trails at Stiglmeier Park – 10 to 11:30am. Meet at Trailhead Parking Lot. Relax with the birds after the rush of the Holidays. Join Naturalist Tom Kerr for a morning walk on the boardwalk nature trail at Stiglmeier Park. We'll see many of the birds that spend their winter in Western New York and learn how they survive the winter in a suburban neighborhood park. All ages are welcome. Binoculars are available. Pre-registration is required. Donations. 585-457-3228.

After the Holiday Blues Winter Walk-10:30am. Had your fill of holiday celebrations? Get outside for a refreshing walk in the woods! Snowshoe rental (if conditions allow): \$5/person; \$2/person for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Sunday, December 27

Hot Chocolate Hike at Tift Nature Preserve- 6:00pm - 7:30pm. Stretch your legs with a wintry nighttime walk and warm-up afterwards with delicious hot chocolate, peppermint candies and music in the cabin. Preregistration required; ages 5+. [register](#)

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

Monday, December 28

Little Tykes Mini Nature Camp- Tift Nature Preserve, 9:30am - 11:30am. Contact 716.825.6397. Enjoy a morning of fun and exploration at Tift Nature Preserve! Nature story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Pre-registration required for ages 3-5. \$8 per child with adult, \$4 additional child with same adult. BMS Members save 10%.

Christmas Bird Count-Oak Orchard- Contact Celeste Morien p: 585-721-8202 e: celeste.morien@gmail.com for details.

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

CCE-Chautauqua Board of Directors Meeting- 3542 Turner Road in Jamestown. Meetings begin at 7:00pm and typically end by 8:30pm. Members of the public are welcome to attend. - See more at: <http://chautauqua.cce.cornell.edu/events/2015/01/26/board-of-directors-meeting#sthash.UDdHucS4.dpuf>

Tuesday, December 29

Nature Grandparents – 10 to 11:30am. If you love nature and want to encourage your grandchildren to do the same, then join us for a reading of the book *The Grandpa Tree* inside our Discovery Room. After exploring the life cycle of a tree, we will take a short walk to Beaver Meadow's own Grandpa Tree and end with a fun craft and snack. Pre-registration is required. \$3 per child. Grandparents Free! 585-457-3228.

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

Family Snowshoe Walk-1pm. Bring the family out for a fun walk to look for signs of wildlife. Snowshoe rental \$5/person; \$2/person for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

2015 C-SAAHN 'IMAGINE' Tuesday Noon-Hour Lecture Series- Downtown Buffalo & Erie County Public Library at "Ring of Knowledge" area. Free to all. Noon - 12:30 P.M. "IMAGINE Lifelong Learning: The Pursuit of Happiness", "From Monet to Van Gogh: A History of Impressionism: Cezanne and Pissaro in Pontoise". The Great Courses Video #11 by Professor Richard Brettell, The University of Texas at Dallas. 12:30 P.M. - 1:00 P.M. "The Buffalo-Chautauqua Idea: 'IMAGINE' Series Sixth Anniversary", Dennis Galucki, Founder, C-SAAHN & ImagineLifelongLearning.com.

Wednesday, December 30

End of the Year Family Fun at Beaver Meadow! – 1 to 3:30pm. Join us for some old-fashioned winter fun as we explore the trails on wooden snowshoes*, construct origami crowns to welcome the New Year and drink hot cocoa! *Weather permitting – regular walk will take place if snow depth is not deep enough for snowshoeing. Pre-registration is required. (BM) \$5; \$3 Members; \$15 maximum per family. 585-457-3228.

Winter Wildlife Snowshoe Walk-10:30am. Look for signs of who is out and about in the winter woods, and discover how animals survive the cold. Snowshoe rental \$5/person; \$2/person for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Frosty Fun- Tiffit Nature Preserve, 2:00pm - 03:30pm. No matter what weather mother nature brings, we'll have frosty family fun at Tiffit! Join us for an afternoon of hands-on activities celebrating the wintry season. Preregistration required, all ages welcome! \$5 non-members, BMS Members save 10%. [Register](#)

Thursday, December 31

Make your green resolutions for 2016.

Friday, January 1

Christmas Bird Count-Dunkirk- Contact Joanne Goetz p: 716-673-1627 e: goetz@netsync.net for details.

Saturday, January 2

Christmas Bird Count-Hamburge- Contact Tom O'Donnell p: 716-284-5569 e: tmodonnell@roadrunner.com for details.

Frozen Forest Snowshoe Walk-10:30am. Explore the beauty of winter and learn how to identify local trees on this guided walk. Snowshoe rental \$5/person; \$2/person for Friends of Reinstein Woods members. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, Depew.

Sunday, January 3

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

Basic Bicycle Wheel Maintenance-6:00 PM - 8:00 PM. We will cover hub overhauling and adjustment, wheel truing, and how to fix a broken spoke. Practice wheels will be available to work on but participants may also bring their own wheels. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Suggested donation is \$10 and limited to 10 people. Please RSVP to stacy@gobikebuffalo.org if you plan to attend.

Tips for the Environment:

- 1. Recycling Bathroom Items**- Don't forget the bathroom- lots of things to recycle including your plastic bottles (shampoo, mouthwash, contact lens solution), cardboard (tissue and toothpaste box, toilet paper tube), metals such as aerosol cans and plastic wrappers (drop off at grocery store collection). You currently have to toss the plastic pumps, but recycle their bottles. <http://www.earth911.com/living-well-being/america-recycles-day-2015/>, <http://www.iwantoberecycled.org/bathroom> , <http://careto recycle.com/>
 - 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.
-

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

As the Christmas season approaches and we are caught up in the hustle and bustle of activities, it is important to be thoughtful about energy saving purchases. Start discussing your intentions to have a green Christmas with your family and decide on a few areas to improve without sacrificing family traditions. Understand that not everyone will want to participate and be careful not to offend family members who might be resistant to change.

Christmas tree: A live tree certainly enhances the season with its pine-fresh smell, and families often enjoy the annual ritual of picking out the perfect tree. If you purchase a living tree with roots attached it can be planted later in your garden to be used again next year or donated to your local parks department. If it's a cut tree, recycle it when you are ready to take it down. Shred the live tree and use the mulch in the garden around evergreen shrubs and trees.

New holiday lights: Consider changing to seasonal light emitting diode (LED) strings of lights. These can use up to 95% less energy than conventional bulbs, and last seven times longer than traditional bulbs. Using holiday lighting wisely can lower power consumption. Avoid leaving lights on all night. Tinsel can be used to amplify lighting.

Be financially responsible: Overspending during the holidays will not only increase your stress now, but will leave you feeling anxious for months afterward as you struggle to pay the bills. Step back from the excessive gift-giving and practice simplicity, creativity and basic human kindness.

Go green when planning gifts: When you give someone a "green gift" it means you went the extra distance for someone and it also means you have taken the time to consider the environment.

Make a gift from scratch: Your personal effort to create something is always appreciated. Reprint a favorite family photo and have it framed. Compose a song, write a poem, or knit a scarf for the one you love. Make the wrapping part of the gift: a decorative canvas bag can hold gifts and be reused for grocery shopping.

Buy a thoughtful gift that adds a lasting element to someone's life. Houseplants or a live organic herb garden are wonderful gifts, which live on and bring joy (and oxygen) into someone's home. Buy a calendar printed on 100% recycled paper with daily affirmations and uplifting quotes. These will remain with the person for a year at least, and can make a difference every day. Open a savings account or buy a stock for a child in your family and teach him/her how it grows. Buy your best friend a gift certificate for a massage or a yoga lesson. Give gift coupons for a car wash or a movie, you will be doing more for the recipient of these gifts than initially meets the eye.

Give to a charity: Buy toys for local children through Toys for Tots, or by donating items to your local food pantry.

Holiday Cards: The 2.6 billion non-recyclable holiday cards sold each year in the United States could fill a landfill the size of a football field 10 stories high. Buying cards printed on recycled paper could help reduce that pile.

Does the holiday have you feeling depressed? Help others, not because you should, but because it is the best remedy to seasonal sadness. Find someone who is struggling more than you are, lend them a helping hand, and remember **Jesus is the reason for the season!**

Don't forget – "Together we can make a difference." lesleyhaynes14@yahoo.com

GROW WNY: Local Website for Everything Environmental

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

Ongoing Volunteer Opportunities Available

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

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

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

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

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

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

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

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

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](#)

New York State Resources

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

Youth Summer/Holiday Camps/Home School Series

www.buffaloaudubon.org

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

Grant Opportunities

<http://assembly.state.ny.us/gan/>

www.wnygrantmakers.org/

www.grantstation.com

www.grantwatch.com

www.grantwrangler.com

www.grantsalert.com

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

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

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

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

Busti Cider Mill- www.busticidermill.com

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

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

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

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

Green Shoots for New Americans-

[http://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)

Good Food Farm- www.goodfoodfarm.blogspot.com

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

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

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

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

Niagara Malt- www.niagaramalt.com

Plato Dale Farm- <http://www.platodalefarm.org/>

Porter Farms- <http://porterfarms.org/>

The Promised Land- <http://www.promisedlandcsa.com/produce.htm>

Queen City Farm- www.queencityfarm.org/

Reigle's on theRidge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>

Roots & Wings Family Farm- <http://www.rootsandwingsfamilyfarm.com>

Root Down- www.therootdownfarm.com

Sinemus Farms- <http://www.sinemusfarms.com/>

Singer Farms Naturals-www.singerfarmnaturals.com

Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com

T-Meadow Farms- www.heritagebreedsusa.com/TMeadow.html

Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>

NY Sustainable Agriculture Working Group- <http://www.farmtraveleronline.com/>
NYSAWG Links to Farmers' Markets, CSA, Other farms- <http://www.nysawg.org/directory-of-farms.html>
Local Harvest (resource site)-<http://www.localharvest.org/>
NY Agri-women - <http://www.newyorkagriwomen.com/>

Local Tourism promoting Sustainability

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

Recycling, Reuse, 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.donatomyweddingdress.org/, www.careergear.org, www.dressforsuccess.org
Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's
Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking dropoffs
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Drug disposal best practices- <http://www.dec.ny.gov/chemical/45083.html>
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.
Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations
Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>
Hazardous Household materials- <http://www.hazmanusa.com/>
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- <http://www.triadrecycle.com/mattress.html>
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=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
Tennis balls- <http://www.rebounces.com/recycle/>
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- <http://www.world.org/weo/recycle>

Water filters-Brita partners with preserveproducts.com/recycling
Yoga mats- RecycleYourMat.com

Eco-volunteering with Travel:

<http://www.planetfriendly.net/learn.html>
<http://www.globalteer.org>
<http://www.ecovolunteer.org/>
<http://www.goeco.org/>
<http://www.woof.org/>
<http://www.americanhiking.org/>

Education Courses or Certificates:

Energy University Website with Schneider Electric- [Courses](#) are free
Green Classroom Professional Certificate- Online courses, info [here](#)
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/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Audubon Society/Beaver Meadow Nature Center Volunteer Day every Wed. 10am-2pm at Beaver Meadow	www.buffaloudubon.org
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Astronomical Association	http://www.buffaloastronomy.com/
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 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 ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/

Buffalo Zoo	www.buffalozoo.org
Cabelas	www.cabelas.com/stores/store_info.jsp?pageName=058#events
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens' Environmental Coalition	www.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.d21sbuffalo.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
Gander Mountain Store (seminar listings)	http://www.gandermountain.com/store-locator/
Garden Clubs of WNY	www.gardenclubsofwny.com

Garden Walk Buffalo	http://gardenwalkbuffalo.com/
Genesee County Nature Center	www.gcv.org
Go Bike Buffalo	http://gobikebuffalo.org/
Good Going WNY	www.goodgoingwny.com
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrct.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-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	https://www.facebook.com/GroundworkBuffalo
Habitat for Humanity Buffalo Intro to Volunteering 9am-3 rd Saturday each month	http://www.habitatbuffalo.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	www.jamestownaudubon.org
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Jane's Walk-Buffalo	http://janeswalk.org/united-states/buffalo-ny/
Junior Solar Sprint Buffalo	www.jssbuffalo.com
Lake Erie Forum	http://www.lakeerieforum.org/
Lake Erie Seaway Trail Center	http://lakeerieseawaytrail.org/

League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Learning Sustainability Campaign	http://www.learningsustainability.com/
Local Initiatives Support Corporation	http://www.buffalolisc.org
Maddie's Pet Rescue Project	http://www.maddieseriecounty.org/
Massachusetts Avenue Project	http://mass-ave.org/
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 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/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Penn Dixie Paleontological and Outdoor Education Center Open Sat. 9am-4pm May-Oct. for fossil collecting	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
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/
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.unwastenyny.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
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
Western New York Science Congress	http://wnyssc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
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.westsideminstries.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/
World on your Plate	http://www.worldonyourplate.org/