Enviro-News

April, 2021

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

- Articles- including events, courses, local news, teaching resources, grants, jobs
- Upcoming Activities
- Civic Engagement and Activism
- Tips for the Environment
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Free Electronics Recycling for Businesses/Organizations: Raise $ for Camp Good Days

Register until **April 9** for free electronics recycling for your business. Sunnking will donate a portion of the proceeds per pound to Camp Good Days and provide the boxes and pallets and pick up for free. Don't own a business? Forward this email to your company's Operations or IT Managers – it's FREE to sign-up! Collections will begin in the Buffalo area May 3. So far, this FREE program has donated $114,000, covering the camp costs for over 100 area children! Register now.

Claiming Our Outer Harbor Park

We love our Outer Harbor for its natural beauty, ecological importance, and recreational opportunities. Western New Yorkers have spoken loud and clear: we want this fragile Great Lakes gem to be permanently protected, naturally restored, and publicly accessible. On **April 21 from 7 to 8:30pm**, join us to learn about making our unique resource a state park. The League of Women Voters and our partners in presenting this program, Our Outer Harbor Coalition, 21st Century Park on the Outer Harbor, and Partnership for the Public Good, support designating the Outer Harbor on Buffalo's waterfront as a State Park. **RSVP**: Register in advance at bit.ly/outerharbor. Participants will receive a confirmation email with information about joining the meeting.

Learning Session 5: How can land banks turn vacancy into value?

One Region Forward Learn is offering a session to explain how land banks can return distressed, vacant, abandoned, and tax-delinquent properties to productive use and convert them into assets for your community. The free session is **April 28** from 10am to noon in webinar format. **Register today!**

Name the Gnome Contest

Help our "Home for the Gnome" educational campaign for healthier lawns. Our gnome needs a name, so enter the contest by submitting to recycle@erie.gov by **April 30**. There are gnome-tastic prizes for winning entries. Learn more about the campaign and how to have a healthier lawn by visiting erie.gov/healthylawns.

The 2021 Earth Day Rain Barrel and Compost Bin Sale

The time has come once again to update your garden space to earth-friendlier water and fertilizer! The Erie County has various items to purchase, with options for you to select a pick up location and date. A summary of items and the sale, along with specifications for the System® rain barrel and Earth Machine™ compost bin can be found HERE. Orders must be placed by **May 8** with pick up dates the week of May 19.

Great Lakes Regional Sediment Management Webinars to be held in April

The Great Lakes Regional Sediment Team is hosting a series of webinars focused on water quality, nutrient reduction and regional sediment management in the Great Lakes. The webinars will occur **each Tuesday in April** (beginning April 6) at 2:00 p.m. EDT and will cover urban stormwater/green infrastructure, coastal systems and sediment transport, habiat and restoration and agricultural nonpoint source runoff. For more information and to register, go to: https://greatlakesrsm.net/events/2021-great-lakes-regional-sediment-management-workshop/

DEC Releases Proposed Regulation to Prohibit Pesticides Containing Chlorpyrifos

The DEC has announced a proposed regulation to prohibit the sale, distribution, possession, and use of pesticide products containing the active ingredient chlorpyrifos. Furthermore, on December 31, 2020, the New York State pesticide registrations were cancelled for 29 pesticide products containing chlorpyrifos. These products can no longer be sold, offered for sale, distributed, or used in New York State. An additional 15 chlorpyrifos pesticide products, that allow for applications to apple tree trunks, remain registered for sale, offer for sale, use, and distribution in the state until July 31, 2021. DEC actions related to chlorpyrifos also include efforts to promote the removal of chlorpyrifos products from New York State. DEC will accept written public comments on the proposed regulation through **April 5, 2021**.

Proposed Food Donation and Food Scraps Recycling Law: Now Open for Public Comment

DEC filed a Notice of Proposed Rulemaking with the Department of State to add a new 6 NYCRR Part 350. The proposed regulations will implement the requirements outlined in the NYS Food Donation and Food Scraps Recycling Law enacted in 2019. The law takes effect on January 1, 2022 and requires large generators of food scraps to donate excess edible food and recycle all remaining food scraps if they are located within 25 miles of an organics recycler. **Written public comments will be accepted by the NYSDEC through April 27, 2021.** Persons wishing to comment on the proposed regulations can make a statement at one of two public comment hearing webinars. The first session will begin at 1:00 p.m. on **Wednesday, April 7, 2021**. The second session will begin at 6:00 p.m. on **Wednesday, April 7, 2021**. Learn more.

Tortoise & the Hare 5k Race and Fun Run

Earth Spirit Educational Services are so excited to be able to host our annual 5k race and fun run again this year-albeit virtually! Things will be a bit different due to the current restrictions in place for large gatherings, but we're sure that this year's event will be just as fun in this new format! As a 501c3 Non-Profit, Earth Spirit relies on funds from events and donations in order to continue programming at a low cost for schools and groups. **A**ll registered participants will run their own 5k (or 1-mile) course any time **between April 17th and April 25th** and will be able to download the itsyourrace.com app or login to easily submit their 5k (or 1-mile) time. Once all participants have submitted their times, you'll be able to see how yours compares to your friends or family. It's that easy! Register Now. *EVERY DONATION OF $25 OR MORE INCLUDES A 1-YEAR INDIVIDUAL MEMBERSHIP.* **Support your local school…**
New for this year, we are offering Tortoise and the Hare participants an opportunity support their local elementary or middle school by simply mentioning it when registering. The school with the most mentions will be eligible for a 25% discount on an Earth Spirit program of their choice during the 2021/2022 school year! Get your friends and family to register and mention your child's school!

Register for the Spring "Beach" Sweep

Registration is now open for Buffalo Niagara Waterkeeper's annual event! Here's the deal – register for Saturday small group cleanups, Sunday solo sweeps, and learn about pollution prevention throughout the week! Dates from April 24 through May 2 and sites are listed on the registration page. Want to double your impact? Register as a Water Warrior! Not only can you cleanup during the Spring Sweep, you can fundraise to support the continued protection and restoration of our waterways! The Spring Sweep is part of the Great Lakes Cleanup, a collaborative single-week trash removal event to protect waterways and habitats throughout the Great Lakes Basin, led by Buffalo Niagara Waterkeeper!

Erie Canal Clean Sweep 2021

Registration now open for Canal Clean Sweep 2021. With the Canalway Trail having seen record use in 2020, we need your help to make sure the trail is ready for another influx of visitors this Spring. Register today to help clean up the Canalway Trail as part of Canal Clean Sweep on the weekend of **April 24 - 25**. Assemble a team of close friends and family (group size should not exceed 10 people) and register with names of all. Pick a location on the Canalway Trail and a time for your clean-up. Arrange for the disposal of collected and bagged trash by contacting the closest Canal Corporation section office. (We will provide contact information). Please note that t-shirts will be mailed in advance of the event if organizers register before **April 9**. If you register after this date, you will receive a t-shirt after the event (while supplies last).

Virtual Celebration: 8th Annual Buffalo Cherry Blossoms Reimagined Festival

Whether you are in California or New York, engage in this virtual festival from the comfort of your home from **April 26th through May 1**. Participate in the online basket raffle to benefit the care and maintenance of Buffalo's Olmsted Parks, submit your spring-themed haiku and enjoy an exciting virtual program. The program features a Cherry Blossom walking tour of the Japanese Garden with Paula Hinz, cooking demonstrations, a virtual concert curated by Robby Takac of Music is Art and the Goo Goo Dolls, and many more! **Follow our Facebook event.**

Wildlife Rehabilitation Exam Offered

The New York State DEC examinations for individuals seeking a license to practice the sport of falconry, become a volunteer wildlife rehabilitator, or use leashed tracking dogs to find wounded or injured big game animals are scheduled for **Friday, April 30**. To ensure access to the examinations, and prevent the spread of COVID-19, DEC is offering exams online this year instead of in-person. The exams will be available from 7 a.m. to 9 p.m. on April 30. Registrants will have two hours to take each exam. To register for any of these exams, click on the exam registration link and follow the directions provided. An email will be sent acknowledging registration.

Electronics Recycling for Earth Day

Sunnking saw record-breaking attendance in 2020, with 8 events fully booking out of drop-off time slots. Register now for a **May 1** event at Eastern Hills Mall with timed appointments from 8:30am to noon. Their fall events ran smoothly with most participants successfully moved through in less than 15 minutes. Register at Eastern Hills Mall. Residents can register at sunnking.com/events and find a complete list of recyclable devices. Health and safety procedures will be in place to ensure a safe environment, including timed appointments, no-contact device removal, and dedicated drive-through lanes. Sunnking collects an average of 100 tons of electronics per event. Due to the rising costs of recycling and the coronavirus pandemic, Sunnking also asks supporters for an optional monetary donation to continue providing the environmentally responsible service.

Make it Your Business – Harness the Power of the SDG's

The 2021 WNY Sustainable Business Roundtable Summit will introduce the framework of the United Nations Sustainable Development Goals (SDG's); what they are, why you should care and how the SDG's can create value when they are used as a strategic north star in guiding direction and sustainability work. The summit on **May 5-6 from** 2 to 5pm each day features keynote talks and smaller group sessions online. This isn't just another Zoom call. Remo, the digital conference platform for the 2021 Summit, is about interaction. Join us to listen, learn and exchange ideas on sustainability trends and the changes your business faces. Get inspired, more connected and better equipped to make meaningful progress during this decade of action! Registration, the keynote panels, summit program overview and confirmed speakers are available on the summit page: https://www.wnysustainablebusiness.org/2021-summit.

AIA Buffalo/WNY 2021 Scholarship

The AIA Buffalo/WNY Chapter with the Buffalo Architecture Foundation will dispense up to $4,500 in scholarship funding for the academic year. The scholarship is open to College/University students who meet academic requirements and are enrolled in a NAAB-accredited architecture program, or enrolled in a program that has received NAAB 'Candidacy' status. Applications are due **April 26, 2021**.

Penn Dixie Opens on May 1-Tickets Available

Join Penn Dixie on **May 1st** for an Opening Day like no other, as we celebrate Erie County's Bicentennial with discounted fossil hunting for ALL Erie County residents! Due to capacity limits, we expect this event will sell out in advance, so get your tickets soon. For more information and registration visit our website: https://penndixie.org/2021/03/11/opening-day-fossil-hunting/ or check out the event page: https://www.facebook.com/events/505045537158932.

Household Hazardous Waste Collections for 2021

The Erie County Department of Environment and Planning (ECDEP) will be holding its first free Household Hazardous collection event on **Saturday May 8, 2021**. The appointment only event will be in the Southtowns and registrations opens one month prior to the event (April 8 for May collection). The reservation system has reduced wait times at the events, but please register early as there are limited openings. There will also be a fall collection held in the City of Buffalo on October 9. More details or the option to sign up for our email notifications can be found at www.Erie.gov/recycling or you can learn more and register by calling the HHW hotline at 716-858-6800.

Erie County residents have the option of using the County's "Voucher Drop-off program" which enables residents to bring up to 50lbs. of eligible hazardous waste to the Hazman facility in Tonawanda at no cost. Again, preregistration for this service is required. For more information go to erie.gov/recycling or Hazman directly at 998-8073 or call 76-858-6800.

17th Annual Symposium on Energy in the 21st Century

The annual Symposium on Energy in the 21st Century will continue this year, but virtually on **April 16, 2021**. Speakers will present on zero emission transportation, initiatives at the local, state, national and global level, social energy equity and inclusion of solar in the grid. REGISTER HERE NOW.

Wildlife Rehabilitation Course

Learn how to lend wildlife a helping hand and provide proper emergency treatment to injured, orphaned, and distressed wildlife living in your community. Hawk Creek's Wildlife Rehabilitation Course offered on **May 15 and 16** is an intensive eight hour learning experience taught by licensed wildlife rehabilitators sharing over 30 years of experience, up-to-date technical information, and incredible stories. Course is open to adults, (recommended) 16 years of age and older preparing to take the NYSDEC wildlife rehabilitation exam or just interested in expanding their knowledge. Pre-registration is required. $100 per person. LEARN MORE & REGISTER

Messinger Woods Wildlife Rehabilitation Center Needs Volunteers

Messinger Woods runs a wildlife hospital during the "busy" wildlife season, approximately June 1st until the middle to end of September, depending upon the animals in our care and how long they need to remain in the caging at our hospital. If you are able to commit to 4 hours once a week during this time, we would love to have you join us this season. If you are a student, we realize that you must be back in school by the end of August and would not be available until our facility closes down for the season. Additionally, we have offered internship positions for college students and have worked with various colleges to provide verification of the experiences gained and hours worked. If your college offers credit hours for your internship experiences, we are happy to work with your advisors to provide the necessary verifications. https://www.messingerwoods.org/volunteer-recruitment.

Challenge Yourself with Hiking

Wilderness Weekends in WNY Presented by your very own ADK-NFC, 'WWinWNY' is a 25 hike challenge that has no time limit! Work your way through WNY using our Wilderness Weekends guide book, or visit WW in WNY for more

2021 Buffer in a Bag Program Now Open

DEC's Buffer in a Bag program provides organizations and private landowners with free tree and shrub seedlings to help establish or improve a stream buffer on their property. Each buffer in a bag includes several different native species and must be planted alongside a stream, river, or lake. Plantings alongside waterbodies help support wildlife and improve water quality.This year each recipient will receive 25 bare-root, native tree and shrub seedlings, including red oak, ninebark, winterberry, silky dogwood, and witch hazel. Supplies are limited so be sure to sign up today by visiting our Buffer in a Bag webpage!

Join the Erie County SPCA for the VIRTUAL Wildlife Baby Shower!

Baby season is coming! Over the next few months, the SPCA's Wildlife Department will see an influx of injured and orphaned baby wild animals! Help us prepare by purchasing an item off our registry or making a donation to help us fill our incubator! Ways to help here. We want all of our babies to thrive. Your gifts will help us provide the care they need to make this possible! Check out some of the thousands of patients we treat each year, here!

Celebrate Earth Month & Win Prizes!

GBNRTC has partnered with Clean Air New York and 511NY Rideshare to celebrate Earth Day 2021! Earth Day is an annual environmental awareness day (April 22) that highlights the benefits of environmental protection through simple everyday actions. Click here to pledge to participate in one or more sustainably conscious activities in April. These actions may include planting a tree, starting to compost, or using a sustainable mode of transportation. All participants will be entered to win prizes through 511NY Rideshare's weekly Earth Month raffle! You can reach out to info@511nyrideshare.org if you have any questions.

Bike Buffalo Niagara Regional Master Plan Adopted

The Greater Buffalo Regional Transportation Council adopted the Bike Buffalo Niagara Regional Master Plan. The plan is intended to support bicycling as a safe, comfortable, and healthy form of transportation, recreation, and physical activity throughout the region. Check out their mapping tool for an easy review of proposed bike infrastructure.

Amphibian "Underdog" Wins Cadbury Bunny Contest

With over 12,000 entries for the 2021 Cadbury "bunny", a pet tree frog was selected as the company's mascot. Betty, a University of Central Florida student's pet, won over a llama, goat, several dogs and other more traditional entries. View here.

WNY Shares Riverline Early Concept Designs

The Western New York Land Conservancy is fundraising for the Riverline, the proposed nature trail and greenway in downtown Buffalo. Early concept designs were recently shared at a presentation and you can view the recording here. For more info on the project, visit theriverline.com.

New York State Greenway Trails Plan and Map

New York State is developing a statewide greenway plan. Explore existing, proposed, and planned multi-use paths throughout the state with their interactive map.

EPA Selects PUSH Buffalo to Receive $200,000 Brownfields Job Training Grant

The U.S. Environmental Protection Agency (EPA) announced that People United for Sustainable Housing (PUSH) of Buffalo is one of 18 organizations to receive a total of $3.3 million in grants for environmental job training programs across the country. Job training and workforce development are an important part of the Biden-Harris Administration's commitment to advance economic opportunities and address environmental justice issues in underserved communities. PUSH Buffalo will receive a $200,000 grant for its program that trains under- and unemployed workers in Buffalo's communities to be job-ready, find employment, and build sustainable careers in fields like environmental remediation, green infrastructure, renewable energy, and energy efficiency. This grant builds on one EPA awarded to PUSH Buffalo in 2017 and will prioritize program slots for Buffalo's low-income residents. For more info, visit here.

Make Cigarette Butts Part of Your Spring Cleanup

Spring is here. And what has winter left behind? Littered cigarette butts: on our streets, sidewalks, and in our parks. Besides the fact that they are ugly to look at and pollute, they are hazardous to our kids, pets, wildlife and gardens.

The fact is 766,571 metric tons of cigarette butts – the number one littered item in the world -- make their way into the environment every year. Locally, data from the Great Lakes Watershed Cleanup conducted by Ocean Conservancy indicates that more than 300,000 cigarette butts (35.3% of all items recovered) were collected from the Great Lakes in 2019. That makes them the number one littered item in these precious bodies of fresh water as well. But there's more to it than just numbers. When left in the environment, littered **cigarette** butts leach toxic chemicals, such as arsenic (used to kill rats) and lead, that may be carried as runoff to drains and end up polluting our rivers and lakes right here in Western New York. Because cigarette butts are primarily made of plastic filters that don't biodegrade, the butts that aren't eaten by wildlife simply pile up on shorelines or at the bottom of bodies of water.

It's time to kick butts out of our community! To find out how you can get involved, contact Jenna Brinkworth, Community Engagement Director of Tobacco-Free Roswell Park at 845-1615. Or visit http://tobaccofreewny.com/. The Kick Butt Collaborative is a collective of many players in Western New and the Great Lakes basin including Buffalo-Niagara Waterkeeper, Buffalo-Niagara Greenway, Citizens Campaign for the Environment, Erie County Department of Environment and Planning, Hamburg Butt Kickers, City of Buffalo Reuse and Recycling, Buffalo-Niagara Medical Campus and Roswell Park Comprehensive Cancer Center. We catalyze the skills and experience of each partner to empower citizen action for a cleaner, greener, butt-free community both now and for generations to come.

Save the Date for the Spring Sweep in the Great Lakes Cleanup

The Spring Sweep is fast approaching, and this year Buffalo Niagara Waterkeeper is leading a regional cleanup across the Great Lakes! All of our local sites will be included, and registration will work the same as in years past. Consider becoming a Water Warrior to help us raise funds in addition to volunteering. New York is a Great Lakes State and we are all guardians of this globally important fresh water supply. Check here for info and registration.

Watershed 101 for Local Towns

Buffalo Niagara Waterkeeper created two educational videos for the Lake Erie Watershed Protection Alliance (LEWPA). The *Watershed 101* videos (approximately 20 min each) were designed with supervisors and mayors in mind. They give an overview of watershed principles suitable for anyone in municipal or regional government. These videos provide basic information about what a watershed is, how our actions affect our watershed, and what we can do to protect the health of our watershed. There's also information about local entities that provide related assistance.

Youth Action Buffalo

Are you between the ages of 16 and 25 and do you want to be a changemaker? If yes, then this opportunity could be just the right fit. The advisory council for Youth Action Buffalo is an integral part of the Community Action Team (CAT) we are building in collaboration with Opportunity Youth United. Those who succeed in joining the council will become the core of the CAT Team, and will play a vital role in goal setting, planning, and implementing activities.

This is an opportunity to drive real, systemic change in your community: Through the council, young leaders will have an outlet to speak up and take direct action to produce solutions to the issues that they care about. Young leaders will also receive skills training in community organizing, leadership, advocacy, and much more - not to mention building lasting relationships. Apply before August 1.

Moss Ball Alert

Invasive zebra mussels have been found in and on aquarium "moss balls". DEC is urging pet and aquarium stores, as well as consumers, to immediately remove and properly dispose of commercially purchased moss balls for aquariums. Consumers should be advised that moss ball products purchased from PetSmart and Petco may be subject to a voluntary product recall. It is important that you remove any moss balls —that were purchased within the last year— from your tank and properly dispose of them. Zebra mussel larvae are so small that you cannot see them and they can quickly take over your tank, damage filter systems, and, if released, cause great harm to waterbodies. Dispose of any moss balls from your tank in a sealed garbage bag. Other aquarium plants should be disposed of too as they may harbor zebra mussels from the moss balls. If you find zebra mussels in your tank or on a moss ball, please take a photo if possible and report the observation, via email at isinfo@dec.ny.gov, or by phone at (518) 402-9405.

Clean Energy Communities Program

Is your WNY town a member of the Clean Energy Communities Program? Check out the map here to see towns that are in the program and the actions that they have taken to save energy and often costs for their town. If your town isn't one of them, ask your elected official why they haven't made a commitment to cleaner energy.

"Kiss the Ground": New Film Looking at Soil as a Climate Change Solution

A cure for climate change starts with a simple solution right under our feet. "Kiss The Ground" is now streaming on Netflix, and an exclusive Live Q&A with Gisele Bündchen, Woody Harrelson and Ian Somerhalder, plus the filmmakers, farmers and activists behind the regenerative movement, is right here.

2020 Erie County Household Hazardous Waste Dropoff Vouchers

Future Household Hazardous Waste Collection events will be posted at erie.gov/recycling. A limited voucher program for residents to use to dispose of your HHW at your convenience is now available. Erie County has contracted with Hazman to provide vouchers that allow residents to bring up to 50 pounds of HHW to Hazman at no cost to you. The voucher program will also require a reservation which you can make via the Hazman website or the HHW hotline. Visit for info.

EPA Develops Food Stewardship Education Resources for the Faith Community

EPA's Food Stewardship education efforts aim to engage the faith community on protecting the environment through reducing food waste. A downloadable Food Stewards toolkit, with tips on how to modify food purchases, donate, compost, and share success stories, is now available. Learn more about these resources.

Help Prevent Rabbit Hemorrhagic Disease from Harming New York's Rabbits and Hares

Rabbit Hemorrhagic Disease (RHD) is a fatal virus that affects rabbits and hares. A new strain, RHDV2, identified in 2010 has recently jumped to wild rabbits and hares in the southwestern U.S., where it spread to six states within four months. The virus can infect wild rabbits and hares, in addition to domestic rabbits. RHDV2 is extremely hardy, easily transmitted, and highly lethal to rabbits and hares. It does not infect humans or other animals like dogs or cats. RHDV2 spreads easily through direct contact between rabbits or contact with contaminated environments or objects.
The most likely potential routes of introduction to New York are through transported domestic rabbits, internationally imported rabbit products, or people who travel to outbreak areas in the southwest. Read the RHDV2 factsheet (PDF) to learn more about how it spreads, ways to prevent it, and what you can do to help.

NYSERDA Green Jobs Green New York Energy Studies

Small businesses and not-for-profit organizations can receive an energy study to help them identify opportunities to make their buildings more energy efficient. The energy study is a valuable tool to understand how to reduce energy usage and costs in your facility, and provides a "road map" to plan improvements that can be made as budgets permit.

The energy study includes: a comprehensive walk through of the facility; site staff interviews; utility bill analysis; fuel neutral, unbiased evaluation of potential low-cost/no-cost and capital improvement energy efficiency upgrades; and a report that outlines potential energy and cost savings opportunities for your facility. Once the study is complete, you receive assistance in identifying potential utility incentives and low-cost financing options to help take the next steps toward implementing energy saving projects.

Small businesses with 100 or fewer Full-Time Equivalent Employees (FTEs) company-wide or not-for-profit organizations of any size are eligible for the program. Effective January 1- December 31, 2021, customers will be eligible for **100%** reimbursement of either the cost of their energy study or the installed measure costs, whichever is less. For more information call Michelle Wooddell at 1-888-338-0089 or email info@NYEnergyStudy.com.

New Math Text for College Humanities Students Developed Locally

Gerry Rising and Eileen Schoaff, two local math professors, retired from UB and Buffalo State College respectively, are among four co-authors of the new text for students of the humanities, *About Mathematics*, published by Linus Learning. The book includes plenty of math content: algebra, geometry and calculus, as well as applications ranging from personal finance and breaking codes to fractals, logistic growth, spherical geometry and the logical problems in Euclid's *Elements*. But its approach and goals uniquely serve this non-STEM audience, many of whom bring to math classrooms negative attitudes toward this subject. Those goals include making students comfortable with mathematical concepts and notation and — most important — leading them to include math as another tool in addressing their own life problems.

A special feature of the text is its over one hundred QR Reader-accessed panels that allow the students to focus on concepts rather than computation and give them opportunities to explore interesting mathematical settings. For more information about the text, contact Gerry at insrisg@buffalo.edu.

Paint Product Stewardship to Begin in 2021

New York Paint Stewardship Act recently became the fifth product stewardship program established in NYS, after more than five years of persistent education and advocacy. In 2019, NYPSC worked in tandem with PSI, the American Coatings Association (ACA), and Citizens Campaign for the Environment (CCE) to lead a coalition of 43 local governments, municipal and industry associations, and other environmental groups urging the passage of paint stewardship legislation. The program, which will be managed by industry-run nonprofit PaintCare, is expected to launch in early 2021 and will offer hundreds of conveniently located drop-off locations throughout the state.

Climate Pledge Friendly: Amazon Helps Customers Identify Sustainable Products

The Green Electronics Council (GEC) is participating in Amazon's Climate Pledge Friendly, a new program to help make it easy for customers to discover and shop for more sustainable products. Customers will now see the Climate Pledge Friendly label when searching for more than 45,000 products to signify that the products have one or more of 19 different sustainability certifications that help preserve the natural world. Amazon evaluated hundreds of external sustainability certifications and chose organizations that certify products that have demonstrated environmentally-related sustainability benefits. GEC is proud to be one of the third-party entities offering Climate Pledge Friendly products. The selection for Climate Pledge Friendly includes grocery, household, fashion, beauty, and personal electronics products, as well as other items from a range of categories—from brands such as Burt's Bees Baby, Honest Company, and Seventh Generation, among others. For detailed information on the program qualification criteria and to start shopping for these products visit: http://www.amazon.com/ClimatePledgeFriendly or look for the Climate Pledge Friendly badge on qualifying products.

U.S. Food and Drug Administration (FDA) Creates Food Loss and Waste Animated Shorts

FDA continues its efforts to raise awareness of food loss and waste among consumers through a series of animated shorts that bring attention to actions each household can take to reduce food waste Check out these animations on the FDA website.

Online Course on Organic Farming Offered

Basics of Organic Farming is a self-directed online course for beginning orchard and vegetable-crop farmers, existing organic farmers, and farmers in transition to organic production. This course is a joint effort of the Organic Farming Research Foundation (OFRF) and others. It consists of six modules: 1) soil health; 2) weed management; 3) irrigation and water management; 4) insect pest management; 5) disease management; and 6) economics and marketing. The first two modules are online, and OFRF is asking for farmer feedback to help develop the remaining modules.

Bike-Friendly Business Certification

Bike Friendly New York (BFNY) is a certification program that recognizes businesses and establishments that accommodate bicycles and the people that ride them. To get certified, review requirements at www.ptny.org/bikefriendly , fulfill required criteria, and apply for review. Certified businesses can promote on their website and display on windows and other promotional materials.

Buffalo Food Waste Diversion is Available Year-Round

The City has tested and is launching year-round collection of food waste in an outdoor collection bin at Elmwood Avenue and Bidwell Parkway. Food scraps will be transported by Natural Upcycling to Buffalo River Compost. Since June 2019, over 1000 people have participated in the "Scrap it" program with six summer locations available for drop-off. Acceptable materials are fruits and vegetable scraps, coffee grounds and filters, egg shells, tea bags and nuts. For more info, visit www.buffalorecycles.org.

What Goes Where: Recycle Coach

Erie County residents can now use an application to provide information on recycling and trash pick up for their municipality. Towns will be adding more information to the site in the upcoming weeks, but it is designed to be a one-stop site to find out how and when to recycle in your town. **Download the App or click here to learn more!**

Living with Wildlife-Webinar Presentation by the Cary Institute

Explore New York State wildlife, their ecological roles, and the threats they face in a recorded webinar by the Cary Institute. This session's topics include: techniques to enhance wildlife populations, cost-sharing opportunities with the USDA's Natural Resources Conservation Service, best practices to prevent wildlife damage. View it here.

New Continuing Education Opportunity: Nature and Human Health

Exercise is Medicine® (EIM) partner Park Rx America, in collaboration with the USDA Forest Service, recently produced a first-of-its-kind continuing education activity on nature and human health. Designed specifically for health care practitioners, the course summarizes the evidence for nature and human health and demonstrates how to incorporate nature-based interventions into daily practice. The course is FREE for anyone to watch and provides even more reasons to help your patients be active in natural surroundings. https://parkrxamerica.org/continuing-education/

Solar-Powered Heritage Carousel: Horse Installation

A solar-powered historic carousel had planned to open Summer 2020, but the pandemic delays have shifted the grand opening to spring 2021. The Buffalo Heritage Carousel, Inc. is nearing completion of the restoration of the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots. The Canalside building which will be its future home is currently under construction. Installation of horses on the carousel has begun. Consider adopting one of the animals or contributing to the efforts of the project as they still need donations to meet their goals. For info, visit http://buffaloheritagecarousel.org/

The Empire State Trail is Now Open!

The Empire State Trail, the longest multi-use trail network in the nation, is officially complete and open to the public. The mega trail, a source of recreation, economic development and tourism, connects 20 regional trails to create a continuous statewide signed route. It is 75 percent off-road to provide a safe and accessible route for cyclists, hikers, runners, cross-country skiers and snow-shoers. Now, all New Yorkers and visitors can experience New York's natural beauty, varied landscapes and historic heritage. To learn more about the trail and the projects undertaken over the last four years, read the press release announcing the trail's completion.

Lead Pipes in your House? Get a Free Water Test

If you have determined your home has a lead service line, there are resources at your disposal. (If you missed our last alert on how to determine if you have a lead pipe, click here). Getting your water tested is an important next step to learn how much lead might be currently leaching from your pipes into your drinking water and the risks to your home.To receive a free lead testing kit through the mail, call (518) 402-7650 or submit an online form to the NYS Department of Health. Once you receive your test results, we recommend that you inform your local water department and learn what options are available to help replace lead pipes. Check this factsheet to learn how to protect your household.

Detection Dogs Project Underway

In a collaborative project to try to monitor spotted lanternfly (SLF) spreading across the region, detection dogs are being trained and tested. In a survey trial run in a vineyard and adjacent natural area, the two dogs went right to work to sniff out the SLF egg masses sometimes faster than their human partners could record. The SLF tend to lay their eggs in hidden places or on the undersides of objects, rather than in open areas and the dogs demonstrated that they can find them when they aren't easily observed by humans. Learn more about the project and view more pictures here >>

Guide to Talking about Climate Change with Kids

"Beginning the Climate Conversation: A Family's Guide" will help you talk to your kids about the climate crisis by providing tips on how to start the conversation, deciding on age-specific information and moving the conversation from dangers to solutions. Download the free guide at link.

DEC Releases New York State Forest Action Plan

DEC's Division of Lands and Forests has released the 2020 New York State Forest Action Plan. This document is revised every 10 years and provides long-term strategies for addressing the challenges faced by forests today.
The 2020 plan is the result of extensive collaboration with stakeholders and public involvement and outlines the State's path over the next 10 years for keeping New York forests healthy, improving their benefits and protecting them.

Beekeeper Alert: Spotted Lanternfly can be Transported on Beekeeping Equipment

Spotted lanternfly (SLF) egg masses can be laid on hive boxes, lids, bottom boards, stands, pallets, etc. Beekeepers must check equipment, vehicles, and trailers for SLF prior to moving the equipment and transporting new colonies. If you find SLF individuals of any stage in your apiary or equipment, and you are not inside of the quarantine zone, it is very important that you report it here. In addition to the quarantine policies, lanternflies may impact bees in other ways. Part of the management and efforts to control the spread of this pest include the application of the systemic insecticide **dinotefuran** to trees infested with SLFs. These insecticide applications may directly or indirectly impact the health of honeybee colonies and other pollinators who may be directly collecting pollen and nectar from flowers of trees that have been sprayed with insecticides targeting SLF. Indirectly, honey bees may be using the honeydew—the sap that flows when planthoppers feed on plants—as a food source. Research groups at Penn State are investigating the direct and indirect effects of SLF control measures on bee health. If you'd like to brush up on your spotted lanternfly identification, you can visit the NYS Integrated Pest Management site devoted to SLF.

New Girl Scout Patches about Wildlife and Biodiversity

The Center for Biological Diversity is partnering with the Girl Scouts of Western New York to offer two new patches that will allow girls to explore local wildlife, threats to biodiversity and actions they can take to protect the wild. The Healthy People, Healthy Planet patch will be offered this winter and the Conscious Consumer patch will launch in the spring. Both programs have been adapted for virtual participation to ensure a safe, engaging experience. If you're involved with your local Girl Scouts and would like to find more info, email Sarah Baillie.

Grant to Expand Field & Fork Network's Double Up Food Bucks

Field & Fork Network has been awarded a four-year, $4.6 million federal grant through the Gus Schumacher Nutrition Incentive Program (GusNIP), by the USDA (U.S. Department of Agriculture to continue expanding the Double Up Food Bucks nutrition incentive program across New York State. Double Up Food Bucks matches SNAP (Supplemental Nutrition Incentive Program) benefits – dollar for dollar – on fresh fruit and vegetable purchases at participating farmers markets, mobile markets, small retail, and grocery locations. The GusNIP grant, to be allocated over the next four years, will allow for expansion into 45 counties across the state, as well as further development of technological advances for the program, by 2024. This will provide the resources needed to implement the Double Up program into year-round grocery sites like Lexington Co-op Markets, which just this year adopted the program as the first grocer to do so in upstate NY. To learn more about Double Up Food Bucks New York and find participating locations near you, please visit the program website at www.doubleupnys.com.

Reuse Action in Action: Source for Reusable Materials

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video here for their recent work. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them to Reuse Action. Check out their website at www.reuseaction.com, call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

NE Regional Invasive Species and Climate Change Symposium Resources

View the 2021 Northeast Regional Invasive Species and Climate Change (RISCC) Network symposium infographic to access recordings and read the symposium report.

Current NY Environmental Bills List

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. http://eany.org/our-work/bill-ratings

Our Farms, Our Future Podcast Series: Voices in Sustainable Agriculture

From coast to coast, a diverse community of farmers, ranchers, scientists and educators is working to shape a sustainable future for our food system. Listen to the new *Our Farms, Our Future* podcast series and join this community for intimate conversations about the state of agriculture, how we got here and where we're headed.

Northern Hardwood Conference

Save the dates **June 15-16** for an online event. Look for details at https://foreststewardsguild.org/event/northern-hardwood-conference-2021-virtual/

Bee Better Certified: A Farmer's Guide

Bee Better Certified™ is the gold standard of pollinator-focused farm certification programs. Developed by the Xerces Society, the world's largest science-based pollinator conservation organization, Bee Better Certified builds upon nearly two decades of on-farm habitat research and development. Certification is available to all producers of fruit, vegetable, and commodity crops. This brochure offers an overview of the program, certification standards, and the certification process. If you would like further information, please see beebettercertified.org.

Organic Resource Locator Tool Available

The ORL is an interactive web-based mapping tool that is used to connect food waste generators, i.e. restaurants and grocery stores with those who can beneficially use the wasted material such as composters and anaerobic digesters. The update includes a data refresh, expanded business categories and improved estimation methods for waste generation rates. View the tool here.

Introducing the Drinking Water Source Protection Program Newsletter

As part of New York's Drinking Water Source Protection Program (DWSP2), DEC is launching a monthly e-newsletter to provide information about a variety of subjects related to protecting New York's drinking water sources. Newsletter topics will include DWSP2 program updates, resources available, potential funding sources, implementation projects, and more. Sign up for the DWSP2 newsletter to stay informed on this topic.

U.S. Department of the Interior Releases Their 5 Year Invasive Species Strategic Plan

The Plan sets out a vision for effectively managing invasive species through collaborative conservation to protect our nation's environment; natural and cultural resources; economy and infrastructure; and public health. It both reflects ongoing work by the Interior and its partners and leverages opportunities to respond to emerging issues. Stakeholder input received at the onset of the Plan's development, and again during the formal public comment period on the draft Plan, significantly influenced the content of the Plan. You can access the Plan HERE.

Personal Plastics Calculator

Environmental footprint calculators have been used for a number of years as a measure of personal impact. Now there is a calculator that allows you to assess your plastic usage in a week or year. While we may not have substitutes for all of the items, the first step in reduction is awareness. Check out the calculator at plastic footprint.

The Promise of Biomimicry: Resilient Design in a Climate Impacted World

The Biomimicry Institute recently released this new film that introduces biomimicry as a way of living for everyday people and as a pathway for design inspired by nature. Co-founder Janine Benyus walks us through the emerging discipline that takes wisdom from the natural world to transform it into human design. Up-and-coming companies share their vision and inspiration, and viewers are poised to ask how nature would solve a problem.

Pollinators Under Pressure

This film produced by Tree Media looks at the plight of pollinators around the world and the actions we can all take to ensure their survival, and that of humans and ecosystems everywhere. Narrated by actor and environmental activist Leonardo DiCaprio, this short film features expert voices and diverse points of view from representatives of federal agencies, NGOs, and youth who are working in communities to help residents understand the impact of everyday actions on pollinators and their habitats.

Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action

Health professionals have an important role as trusted messengers to engage their patients, peers, community, and policymakers on equitable climate solutions. Climate for Health's latest guide, *Moving Forward: A Guide for Health Professionals to Build Momentum on Climate Action*, provides you with guidance and tools to reduce energy use, to build resilient clinics and health departments, and advocate for climate solutions that prioritize health and equity.

Erie County Launches Farmer-Customer Website

With concern over reducing agricultural waste, Erie County is launching Erie Grown, which will help residents get in touch with local farms to buy products. The website will have an interactive map and will also show farmers markets, U-pick farms, nurseries, wineries and others. Farmers can get added to the map by visiting www.erie.gov/enrolleriegrown. The site is www.erie.gov/eriegrown.

Citizen Science Project Lets You Fight Deforestation from your Couch

Looking for a hands-on way to contribute to conservation? SAS, a systems analysis company, teamed up with the International Institute for Applied Systems Analysis (IIASA) to build an artificial intelligence model that can recognize signs of deforestation and they need citizen scientists to help them do so. In order to "train" the AI to recognize signs of deforestation in satellite images, the program is using dedicated volunteers to sort through images taken from space and look for clues. Citizen scientists who want to participate simply go to the program website and scan images for signs of human activity like cars, roads, or farm plots. This helps the AI learn where deforestation is being caused by human activity. If you're looking for a tangible way to contribute to conservation, we urge you to visit the website today and take part in meaningful citizen science!

Alternative to Soy and Deforestation to Feed Livestock

Deep Branch, a UK-based startup aims to cut the environmental footprint of agriculture by creating animal feed made out of CO2. Their effort aims to not only capture some carbon that would otherwise go into our atmosphere but also to provide a sustainable alternative to soy-based feedstock often linked to deforestation. Deep Branch's method involves feeding carbon and hydrogen to a microorganism in a fermentation process similar to what you would see in a brewery. However, instead of beer, the output is a high-value protein that can be dried and converted into animal feed. The protein created by Deep Branch holds great potential to provide such an alternative as it relies on recycling CO2 from industrial emitters, without requiring land and other natural resources to produce it. Read more.

Skybrators

A new turbine design created by Vortex Bladeless in Spain can harness energy from winds without the sweeping white blades considered synonymous with wind power by large turbines. The bladeless turbines stand 3 meters high, with a curve-topped cylinder fixed vertically with an elastic rod. To the untrained eye it appears to waggle back and forth, not unlike a car dashboard toy. In reality, it is designed to oscillate within the wind range and generate electricity from the vibration. With its phallic design, it has been dubbed "skybrator". The design would be appropriate for urban and residential areas where the impact of a windfarm would be too great, and the space to build one would be too small. It plugs into the same trend for installing small-scale, on-site energy generation, which has helped homes and companies across the country save on their energy bills. Additionally, there is no risk to bird migration or wildlife. Read more.

Save and Share Seeds for Conservation

When you save, grow, and share rare seeds you are helping to build a more secure food future. Visit https://www.globalseednetwork.org/ to learn to successfully collect, save, and store seeds. You can preserve plant diversity and protect our public food system from corporate consolidation by saving, posting, and sharing seeds with a global community of farmers and gardeners.

Water Quality Improvements and Resilience in the Great Lakes: A Toolkit

A new toolkit presents traditional and newly emerging funding and financing options for green infrastructure to reduce stormwater impacts. Funded by the Great Lakes Protection Fund, Resilient Infrastructure Sustainable Communities (RISC) is a network of public and private sector professionals focused on water related climate resiliency initiatives, including scaling up green stormwater infrastructure across the Great Lakes region. View the toolkit here

Geocaching: Have Fun and Make a Difference

If you don't know anything about geocaching, it's a treasure-hunting game that uses GPS-enabled devices to find caches other players have hidden. Caches could be a small container, like a film canister; as large as a trash can; or something tricky, like a fake rock with a hidden compartment. Inside each cache, there's a logbook so players can log their finds and often choose some small, fun thing to take away. However, players are expected to leave something of equal or greater value, so the next seeker isn't disappointed.

To celebrate the 20th anniversary of geocaching, players will be doing something different this year by logging a locationless cache that in some way improves the environment. To participate, Geocaching HQ asks people to do something like clean up a walking path, plant trees or help a community group remove invasive species in a park. Players need to log at least one photo of themselves or a personal item with the results of the outdoor improvement and say where the activity took place. More images and stellar storytelling are encouraged. The locationless cache initiative is available for logging now through December 31, 2021. Players will earn the Locationless Cache icon plus a special souvenir on their Geocaching profiles.

Lake Ontario 2018-2022 Lakewide Action and Management Plan Finalized

The governments of Canada and the United States have finalized a 2018-2022 Lake Ontario Lakewide Action and Management Plan (LAMP), an ecosystem-based strategy for restoring and protecting the water quality of Lake Ontario and the connecting St. Lawrence and Niagara Rivers. The LAMP for Lake Ontario identifies key priorities for the lake and connecting rivers, including: nutrient and bacterial-related impacts; loss of habitat and native species; aquatic invasive species and critical and emerging chemical contaminants. For more info, visit: https://binational.net/2021/03/16/on-final2018-2022acplan/

Online Birding Tools: Learn more about our Feathered Friends

BirdCast offers real-time migration maps showing where birds are and in which direction they're going. Designed by scientists at the Cornell Lab of Ornithology, the site's forecasts are based on 23 years of radar observations combined with weather forecasts. eBird shares a citizen science project that claims to have more than 100 million bird sightings contributed each year by members around the world. You can use the site to track specific species or discover birds and hotspots near you. While you might need to wait until next year to use it, Hummingbird Central features an interactive migration map that includes first sighting data from citizen scientist contributors throughout the US and parts of Canada. In addition to maps, the site shares lots of hummingbird information about these fascinating fliers, such as the fact that a hummingbird's heart beats up to 1,260 times a minute.

DEC Releases 2018-2020 Report on Restoration and Protection of New York's Great Lakes

DEC recently released the 2018-2020 progress report on the restoration and protection of New York's Great Lakes resources. The biennial report highlights significant achievements, including: restoring habitats and recreational uses for Environmental Justice communities within the Rochester Embayment and Buffalo River Areas of Concern; adapting to storms and flooding by building back smarter and enhancing the resilience of Great Lakes coastal communities; improving and protecting critical water resources in waterways that drain to Lake Erie, Lake Ontario, and the St. Lawrence River to ensure waters are swimmable, drinkable, and fishable; and securing $19 million in federal Great Lakes Restoration Initiative (GLRI) funding for 117 projects, complementing the State's initiatives and commitment to restoring the shorelines of New York's Great Lakes. In the coming year, DEC's Great Lakes Program will update the Great Lakes Action Agenda for the next 10 years. DEC encourages interested individuals and organizations to get involved in regional work groups and share your ideas and priorities for protecting, restoring, and enhancing our Great Lakes lands and waters.

Climate Change Solutions Simulator

En-ROADS is a transparent, freely-available policy simulation model that provides policymakers, educators, businesses, the media, and the public with the ability to explore, for themselves, the likely consequences of energy, economic growth, land use, and other policies and uncertainties, with the goal of improving their understanding. The simulation runs on an ordinary laptop in a fraction of a second, is available online, has been carefully grounded in the best available science, and has been calibrated against a wide range of existing integrated assessment, climate and energy models. View it here.

Reduce Your School's Food Waste with New Toolkit

In celebration of Earth Day, The Center for Green schools released the *Sharing the Table: A Roadmap to Reducing and Recovering Surplus Food in Schools*, a toolkit to help school stakeholders create and implement programs to reduce and recover surplus food. Download **the toolkit today.** The creation of this Roadmap seeks to lower the barriers for school districts interested in reducing and recovering their surplus food in the hope of strengthening connections to their community and seeing a dramatic reduction of food waste.

First Home Hydrogen Battery

Australian energy company Lavo has designed a home energy storage system that doesn't conventional batteries , but opts for hydrogen as fuel. Lavo's Green Energy Storage System is technically an electrolysis unit that generates hydrogen from water, stores it, and then turns it into electricity using a fuel cell. Its 40 kilowatt-hours capacity exceeds the capacity of current battery storage for home systems and can power an average home for two days straight. It's also technically more environmentally friendly as it doesn't use as many rare earth metals. While not as efficient as lithium ion batteries, it does not use as many rare earth metals as most battery storage systems. Read more.

Pesticide "Vaccine" for Plants

Researchers from Martin-Luther-Universität in Halle-Wittenberg, Germany have developed a rapid and reliable approach to creating a "vaccine" for plants. It can be sprayed on like a pesticide, or even injected like an animal vaccine. The vaccine works using RNA interference, or RNAi which causes the cells to recognize double-stranded RNA from another individual and cut it into fragments. Then, the cells use those fragments to identify and stop further pathogen activity. One of the major advantages of "vaccinating" plants is that RNA molecules can be externally delivered to plants by a spray, stem injection, root drenching, or seed treatment. Viruses and pathogens mutate continuously to adapt to changing environments; designing a tailored RNA "vaccine" would be quicker and easier than time consuming and laborious procedures needed for gene editing. This would be an advantage for perennial crops, such as grapevine, citrus trees, and apple trees, which often require years of experiments and are expensive to genetically modify. RNAi "vaccines" are also highly specific: only target pathogens are affected by treatments, while undesired effects on other organisms are expected to be limited. For more info.

New Method to Generate Hydrogen Using Silicon Carbide

One prospective source of renewable energy is hydrogen gas produced from water with the aid of sunlight. Swedish researchers have developed a material, nanoporous cubic silicon carbide, that exhibits promising properties to capture solar energy and split water for hydrogen gas production. Hydrogen can be used to generate electricity using a fuel cell, and hydrogen-fueled cars are already commercially available. When hydrogen gas is used to produce energy, the only product formed is pure water. In contrast, however, current methods for hydrogen production produce carbon dioxide due to the use of fossil fuels. Producing hydrogen gas by splitting water molecules with the aid of solar energy is a sustainable approach which offers the possibility to convert solar energy to fuel that can be stored. *more info*.

Climate Change and Birds

Audubon has created a Birds and Climate Visualizer that actually shows how birds are faring and the impact of climate change in specific regions across the country. For example, the Rusty Blackbird, much like the little blackbird in A Kindness Remembered, is now vulnerable to climate change. But climate change not only threatens birds, it impacts our entire biosphere. Calling on elected officials to make decisions and pass laws that will help slow down climate change is one way to improve the ecosystems for birds and humans alike, but so are celebration and education.

Don't Tread Lightly: Make Energy from Your Floor

A new method to generate electricity from wood could power a building's lights and displays by harvesting energy from occupants' steps. The low-cost, eco-friendly process reported in the journal ***Science Advances*** uses fungus to rot wood and make it springy, so it can produce power when squeezed. Wood has been known for decades to be piezoelectric, generating electric power when mechanically deformed. Researchers use a white rot fungus to decompose the lignin and the hemicellulose in the wood, reducing its weight by almost half after about six weeks and creating a spongy wood. A dice-sized cube of the spongy wood produced a voltage of 0.87V, enough power for a small sensor, when squished repeatedly 500 times. Applying this process to larger pieces of flooring would generate usable amounts of power.

Cycling the Erie Canal Guide

The 5th edition of Cycling the Erie Canal includes miles of new trail added as part of the Empire State Trail, plus the most recent information on lodging, attractions, and bike shops. 38 full-color maps provide the perfect tool to plan a bicycle trip along the trail. The guidebook is great for walkers, hikers, boaters and auto travelers, too.

Soil Moisture Data from NASA Available Via New Tool

Crop Condition and Soil Moisture Analytics is a new tool developed by USDA National Agricultural Statistics Service in collaboration with NASA and George Mason University. The tool maps soil moisture, providing farmers and ranchers with free access to high-resolution data that can help plan spring planting, track damage after disasters, monitor crop health, and more.

A Whole-Farm Approach to Sustainability" Launches SARE's Sustainable Agriculture Video Series

Sustainable Agriculture Research & Education (SARE) is introducing a new series of eight short animated videos, "What is Sustainable Agriculture?" They illustrate how producers can improve the success and health of their farms by implementing sustainable practices.

EPA Food Opportunities Map

EPA's Excess Food Opportunities Map identifies and displays facility-specific information for over one million potential generators and recipients of excess food in the industrial, commercial and institutional sectors and also provides estimates of excess food for each generator. The map can be used to inform waste management and food recovery decisions at the local level as well as to identify potential sources of organic feedstocks, infrastructure gaps and alternatives to landfilling. The map may help businesses and organizations identify opportunities for new partnerships to help address changes in the food supply chain. Find out more about the map and this recent update here.

Understanding Your Carbon Footprint: A How-to Guide for Businesses

What is your carbon footprint? It is a measure of your climate impact. Almost every activity in your day-to-day life causes greenhouse gas emissions. These emissions can be quite obvious, like when you drive a car, or less clear, like those produced to provide a financial service. This informative resource provides a guide for businesses to better understand and develop a strategy for improving their environmental impact.

Carbon Emissions Data Reported Across Entire Food Production Supply Chain

Our food systems pump out one-third of global greenhouse emissions – 34% – every year, according to new research published in *Nature Food*. This study goes into intensive detail to build up a huge dataset that identifies the sources of those emissions across the whole food production and supply chain. For the first time, researchers reliably pinpoint emissions by sector and country, revealing some surprising facts in the process – such as the rising contribution of refrigeration and plastic packaging on global emissions. The study covered the period between 1990 and 2015, and drew together estimates on several types of emissions across all forms of food production – crop and livestock farming, aquaculture and fishing. It also measured emissions across the entire food system, from land conversion and food production, to transport, processing, packaging, retail, and consumption beyond the farm gate. The resulting database showed that by 2015, Earth's sprawling food system was emitting 18 gigatons of carbon dioxide equivalent a year, which amounts to a third of total global greenhouse gas emissions.

The actual growing of crops and rearing of livestock produced the vast majority of those emissions, accounting for 71% of which 39% was generated by the production of food, and farming inputs such as fertilizers. Land-use change, which involves the conversion of wild land into farms, made up the remaining 32% of the 71% figure, manifesting in carbon loss from deforestation and the destruction of organic and peatland soils to make way for farmland. This indicates how much of the emissions challenge is embedded in the earliest stages of farming.

Meanwhile, the remaining 29% of food system emissions arose from transporting, packaging, selling, and disposing of it. This share of food-related emissions is going up. By 2015, food packaging accounted for 5.4% of all annual food-related emissions, which makes the case for us to think beyond the ocean-polluting features of plastic packaging, in particular, to the emissions produced by these single-use items as well. Meanwhile, refrigeration accounts for 5% of all greenhouse gases from food systems – and as cold-chain technologies spread, that figure is expected to increase.

Free Curriculum on the Underground Railroad, Great Lakes and Science

The Freedom Seekers curriculum project is a collaborative effort between several organizations and schools throughout the Great Lakes. It is part of a professional development effort for educators to increase their knowledge of the Great Lakes and environmental issues while incorporating Environmental Justice Education (EJE) approaches to K-12 teaching. These EJE approaches leverage cross-curricular connections that focus on increasing the awareness of local issues and history in the Great Lakes region. Connected to the Center for Great Lakes Literacy and its Great Lakes Literacy Principles, these lessons were designed and assembled as a collaborative effort to share the interconnections humans have with the land. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes. This free curriculum, Freedom Seekers: The Underground Railroad, Great Lakes, and Science Literacy Activities, acknowledges the enslaved Africans who had to rely on environmental science principles in their quest for life, liberty and the pursuit of happiness. These lessons introduce an innovative way students can engage in place-based learning, by discovering their local history with the Underground Railroad and its connection to the Great Lakes.

Black Marine Scientists Sound Bites

Join Black in Marine Science (BIMS) Bites every week at 1pm for a 5 minute topic or view their previously recorded topics on this YouTube channel. Learn more about marine science and see the diversity of researchers in the field.

Cornell University Environmental Education Outcomes Online Course

Cornell is offering a five-week online course from April 5-May 9. Is the goal of environmental education to instill pro-environmental behaviors, foster collective environmental action, and/or to develop healthy and productive citizens? Through short pre-recorded lectures, podcasts, readings, social media, and live webinars, this course will help you define your environmental education goals and learn what the research says is the best pathway to achieve them. Topics include environmental behaviors, collective action, knowledge, values, attitudes, nature connectedness, sense of place, identity, self- and political efficacy, norms, social capital, health and well-being, positive youth development, academic achievement, and resilience. Course participants diagram their own theory of change outlining how to reach their environmental education goals. Through this course, you will apply research-based knowledge to start new or enhance existing environmental education programs, strengthen your professional networks by exchanging ideas and resources with peer educators and university students around the world, and gain professional credentials. **Learn More & Register** Participants who complete the course are awarded a Cornell University certificate (PDF). Cost is $60 (strongly encouraged). We accept participants who are only able to pay less or who are not able to pay.

NYS Farm to School Institute deadline extended to April 16, 2021, at 5:00pm.

The 2021 – 2022 NYS Farm to School Institute is a professional development program for food service staff, educators, administrators, and community partners in New York schools to develop and refine their Farm to School programs, and to help bring more New York grown food into the cafeteria and the classroom. This New York state-specific Institute is an annual year-long training and continuing education program. The Institute offers school teams enhanced technical knowledge and support on how to procure and prepare local foods, tools for community engagement, classroom and culinary education, and how to use Farm to School programs to promote racial equity, food justice, and climate action. **Applications due April 16:** Apply with your School Team today!

National Park Foundation's Every Kid Outdoors Initiative

This initiative provides an opportunity for fourth and fifth graders nationwide to experience federal parks, forests, and recreation areas in person throughout the school year. Families will have access to their own Every Kid Outdoors pass to provide free access to national parks as well. Good until the end of August 2021. Print out a paper voucher from the Every Kid Outdoors website. Teachers or adults who engage fourth and fifth graders through a youth-serving organization can print paper passes and find activities and lesson plans here

Teacher's and Home-Schooling Resources

Greening STEM Activities, Lessons and Curricula- Grade 1 through high school.

https://www.nsta.org/playlist/daily-do-natural-resources-water Daily educational lesson plans

https://naaee.org/eepro/resources/drawing-comics-about-nature-danica viewers learn about storytelling elements in comics. Danica Novgorodoff begins by prompting viewers to think about a place in nature that is special, an experience in nature that was amazing, and third, an experience in nature that was scary. With these three prompts, viewers join Danica Novgorodoff in creating a five panel comic story.

EarthX Virtual Field Trip-Focusing on solutions to environmental issues presented in the EarthX free K-12 STEAM curriculum, these short 5-10-minute videos cover a wide range of topics and come complete with an overview correlated to Next Generation Science Standards as well as the TEKS. Suitable as a stand alone resource as well.

Buffalo Niagara Waterkeeper School Programs- programming and resources for Western New York educators. We strive to provide opportunities for youth to learn about local freshwater ecosystems, local environmental justice issues, and civic engagement skills to cultivate the next generation of environmental scientists, stewards, and advocates. There are lots of lessons and resources available for teachers that are very WNY focused.

Short Films to Save the Ocean: Climate Change & the Ocean-Looking for creative ways to bring climate change into your classroom? Bow Seat Ocean Awareness Programs has compiled some of the best student films from our Ocean Awareness Contest archives. Created by youth from all over the world, these short films explore the many ways climate change affects ocean and human health.

Ocean Acidification-NOAA Data in the Classroom curriculum

Energy Curriculum-Free online education curriculum on energy.

Circular Economy Activity-Inspire students to reduce waste by applying a remake, reuse, and recycle model in creating an entirely new product from recycled materials.

Build Your Own Electric Vehicle-By building their own working model of an electric vehicle, students will learn about the electrification of transportation.

Dyson's Experiments to teach engineering- 44 experiments.

Additional resources

Contests and Awards

Work Out Your Wild Side, a motivational physical education challenge from World Wildlife Federation, gets students and children up and moving while teaching them about species and habitats. Crawl like a bear, jump like a frog, and dance like a bee with our five habitat-themed weeks of exercises paired with interesting facts about the habitats and the species that live there. Pick and choose your exercises or complete all five weeks in full. Wrap-up the challenge with a journal writing assignment for your students/children to reflect on the experience. Once the challenge is complete, you can submit one journal entry by **May 14, 2021** and enter a sweepstakes for a chance to win your class or family a WWF education pack and one-on-one webchat with a WWF wildlife expert, right in time for Endangered Species Day on May 21, 2021!

Ocean Awareness Contest- Students ages 11-18 from around the world are invited to participate in the Ocean Awareness Contest. Deadline: **June 14, 2021.**

Grant and Scholarship Opportunities

Food Safety Outreach Program- provides organizations with funding to assist and help farmers and small food businesses with both FSMA and food safety. This federal grants program that funds community-based organizations, non-governmental organizations, cooperative extension, and local, state, and tribal governments' programs focused on food safety and FSMA. Deadline: **April 1.**

eeBLUE Aquaculture Literacy Mini-Grant Opportunity- Deadline**: April 2, 2021.**

National Coastal Resilience Fund (NCRF) provides grant funding to restore, increase and strengthen natural infrastructure to protect coastal communities while also enhancing habitats for fish and wildlife. NCRF pre-proposals are due: **April 7, 2021.**

Air & Waste Management Association High School Scholarships- For current high school students to use in college. Deadline: **April 9.**

Air & Waste Management Association College Scholarships-For current college students. Deadline: **April 9.**

Preserve New York Grants Now Available-Grants for historic reports, building condition reports, cultural landscape reports, and cultural resource surveys are now available to local governments and non-profit organizations from the Preservation League of NY. Deadline: **April 12.**

Northeast SARE Partnership Grant Program-This grant program funds projects conducted by researchers, educators and agricultural service providers working in direct partnership with farmers to encourage design and implementation of innovative solutions to current sustainability challenges, or to strengthen working partnerships between farmers and agricultural service providers to advance sustainable agriculture. Deadline: **April 13.**

The AARP Community Challenge provides small grants to fund quick-action projects that can help communities become more livable for people of all ages. Applications are accepted for projects to improve public spaces, housing, transportation, civic engagement, coronavirus recovery, diversity and inclusion, and more. Deadline: **April 14.**

NPS-21st CCLC Greening STEM Grant Applications-The National Park Service (NPS), in collaboration with the US Department of Education and the National Environmental Education Foundation (NEEF), will begin accepting applications for funding to build the capacity of NPS units and 21st Century Community Learning Centers (21st CCLC) to design and deliver STEM programming that partners formal and non-formal educators and engages youth from under-resourced and/or underrepresented communities in after-school time or out-of-school time, place-based citizen science and environmental monitoring, preferably using components of NEEF's Greening STEM model. Deadline: **April 15.**

Great Lakes Sediment and Nutrient Reduction Request for Proposals- to fund projects that reduce nutrients and sediments entering the Great Lakes. Consistent with Focus Area 3 of the Great Lakes Restoration Initiative Action Plan III (PDF), focused on reducing nutrients from three different sources: agricultural nonpoint sources, stormwater runoff, and Great Lakes shoreline or streambank erosion. Deadline: **April 16.**

2021 Erie Canalway Event Funding- Municipalities and nonprofit 501(c)(3) organizations may apply for $500 for events held in the Canalway Corridor from May 1 through October 31, 2021. Qualifying events must promote or celebrate the distinctive historic, cultural, scenic, or recreational resources of the Canalway Corridor. A minimum one-to-one match is required. Deadline: **April 16, 2021.**

Composting Research College Scholarships-an annual scholarship to college students to assist with their compost research projects. The scholarship is available for undergraduate through PhD students studying at a college or university in the United States. The scholarship is for $4,000, and also includes an invitation to present research findings at a US Composting Council Annual Conference. Deadline: **April 16**.

Graduate Student Research Fellowships funded by the National Wildlife Federation. $5,500 stipend for 2021 NWF Zero Waste and Plastic Pollution Graduate Student Fellowship (1 fellowship available) and 2021 NWF EcoLeader Graduate Student Fellowship (2 fellowships available). Deadline: **April 21, 2021**.

Northeast SARE Graduate Student Research Grant Program -This grant program supports graduate student research focused on sustainable agriculture using either or both natural and social science approaches. Proposals should address issues of current or potential importance to Northeast farmers and the agricultural/food system community. Deadline: **April 27**.

NY's Great Lakes Small Grants Request for Proposals Announced-New York Sea Grant (NYSG) in partnership with the New York State Department of Environmental Conservation (NYS DEC) is requesting proposals for projects that serve to benefit the environment and economy of New York's Great Lakes basin by demonstrating the application of ecosystem-based management (EBM) to local watershed challenges. This small grants program is made possible by the New York State Environmental Protection Fund and Article 14 of Environmental Conservation Law. Deadline: **April 30th, 2021**.

Community Food Projects Competitive Grants Program-USDA National Institute of Food and Agriculture requests applications for $4.8 million in funding through the Community Food Projects Competitive Grants Program. Deadline: **May 4, 2021.**

USDA Value Added Producer Grants for COVID Relief-This program helps agricultural producers enter into value added activities related to the processing and/or marketing of bio-based, value-added products. USDA added an additional $35 million to support agricultural producers affected by the COVID-19 pandemic, reduced the matching requirement to 10 percent of the grant amount, and extended the application deadline. Deadline: **May 4 (extended)**.

Environmental Justice Grants- The U.S. Environmental Protection Agency (EPA) has up to $6 million in grant funding Addressing COVID-19 concerns faced by low-income communities and communities of color including: Climate Change and Natural Disaster Resiliency outreach and planning, Ports Initiative to assist people living and working near ports across the country and Small non-profits. Deadline: **May 7, 2021.**

CEE-Change Fellowship: Building Leadership in Civics and Environmental Education-ee360 is joining forces with Cedar Tree Foundation to launch a new fellowship in 2021. This fellowship program will bring together a diverse and inspiring cadre of formal and nonformal educators and community leaders working to address today's complex environmental and social concerns at the local, state, and national levels. As part of this fellowship, participants will learn civic engagement (CE) skills together with environmental education (EE) skills, and look at how the two fields can collaborate more deliberately. This work is intended to foster leadership within schools and at the community level, promote civic engagement and environmental responsibility, and ultimately build more resilient, equitable, and healthy communities. The fellowship program is a partnership with US EPA and the Cedar Tree Foundation to help strengthen environmental education and civic engagement. Deadline: **May 17, 2021, 11:59 PM ET**

Regional Conservation Partnership Program's Alternative Funding Arrangements-USDA is seeking proposals to fund up to $75 million in new, unique projects under the Regional Conservation Partnership Program's (RCPP) Alternative Funding Arrangements. USDA's Natural Resources Conservation Service will prioritize projects related to climate smart agriculture and forestry. Deadline: **May 28.**

Sustainable Agricultural Systems Request for Applications-The Agriculture and Food Research Initiative's Sustainable Agricultural Systems grant program will fund projects that significantly improve the supply of affordable, safe, nutritious, and accessible agricultural products, while fostering economic development and rural prosperity in America. NIFA seeks applications that take a systems approach for projects focused on the themes in the USDA Science Blueprint. Deadline: **July 1, 2021.**

DOI FWS Coastal Program - $13 million,Eligible Entities: county governments, Indian tribal governments, Indian tribal organizations, state governments, city or township governments, independent school districts, unrestricted The Coastal Program is a voluntary, community-based program that provides technical and financial assistance through cooperative agreements to coastal communities, conservation partners, and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program staff coordinates with partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation goals and priorities within these focus areas. Geographic focus areas are where the Coastal Program directs resources to conserve habitat for Federal trust species. Deadline: **Sept. 30.**

The Pollination Project Grants support organizations/groups that do not have any paid staff with initial grants of up to $1,000. Successful grantees become eligible for larger impact grants of up to $5,000 and other support. One grant is awarded every day. Deadline: **Rolling**

The Connect-Kids-to-Parks Field Trip Grant Program (Connect Kids) is designed to connect students in New York State with nature and history. Each grant provides reimbursement of up to $40 per student (and $80 for Special Education students) for field trips to state and federal parks, forests, historic sites, fish hatcheries and other outdoor recreation areas. Deadline: **Rolling.**

The Kars4Kids Small Grant Program is dedicated to supporting education, mentoring, and youth development programs around the country that help children develop into productive members of their community. Grants typically range from $500-$2,000. Deadline: **Rolling.**

Residential Curbside Recycling Cart Grant Program Request For Proposals- to advance recycling in communities by offering financial and technical assistance to support the implementation of cartbased curbside recycling. Deadline: **Rolling.**

H20 for Life Mini-Grants provide $250-$500 mini-grants for schools to organize projects that educate youth about the global water crisis and help them take action to provide water, sanitation and hygiene education (WASH) for global partner schools. **Deadline: Rolling**

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

NIEHS Conference Grants-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. Conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. **Deadline: Rolling.**

Project Produce: Fruit and Veggie Grants for Schools-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The $2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

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

Industrial Hemp Processing Grant Fund-New York has also allocated up to $5 million for grants for machinery and equipment required to process industrial hemp for commercialization. Grants may provide a minimum of $50,000 and a maximum of $500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

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 23 and other dates later in the year**.

Food Waste Grants - will provide reimbursement to businesses that generate over one ton of food waste per week to offset cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. Eligible projects must reduce and/or divert wasted food at a New York State business including, but not limited to, supermarkets, restaurants, and hospitals. Monies will help food scrap generators implement food waste reduction recommendations, purchase capital equipment used in food donation, and create, improve, and expand diversion efforts to on and off-site compost and anaerobic digestion facilities. Deadline: **Rolling.**

Cornell Douglas Foundation- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. **Deadline: Rolling.**

Youth Pollinator Gardens Grant- up to $200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. To apply for a grant, complete an NGC Grant Application, provide detailed information about the project, and submit your request to the NGC Youth Committee Chairman for approval.

Saving Species- We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. **Deadline: Rolling.**

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

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

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

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

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

Doris Duke Environment Program Grants-For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. **Deadline: Rolling**.

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

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

NYSP2I Food Waste Reduction & Diversion Reimbursement Program- The Food Waste Reduction and Diversion Reimbursement Program is an innovative partnership between New York State and Rochester Institute of Technology (RIT) focused on incentivizing the reduction of food waste in the state. The program provides reimbursement to New York State businesses or not-for-profits that generate, haul or recycle large amounts of food waste to offset the cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. **Rolling deadline**.

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

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

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

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

World We Want Foundation is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to $5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. Application deadline: **Rolling**.

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

Kresge Foundation's Healthy Environments grant program seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Application deadline: **Rolling**.

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

Shell Foundation Grant—Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling**.

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

Home Depot Community Impact Grants-Grants, up to $5,000, are available to non-profit organizations and tax-exempt public service agencies in the U.S. that are using the power of volunteers to improve the physical health of their community. Grants are given in the form of The Home Depot gift cards for the purchase of tools, materials, or services.

Fluor Foundation Grants—Nonprofits and academic institutions. Projects promoting responsible stewardship of the environment and supports organizations that protect natural resources and habits through conservation, restoration and beautification, and environmental education. Deadline: **Rolling.**

Disney Conservation Fund: Rapid Response Grants—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling.**

Employment and Internship Opportunities

Chief Curator at Roger Tory Peterson Institute-open until filled.

Communications Coordinator NY Invasive Species Research Institute-For full consideration, apply by **April 1**.

Environmental Analyst 1 including trainees with DEC-Deadline: **April 9**.

Professional Geologist 3 with DEC-Deadline: **April 9**.

Fish Culturalist 1 in Mayville for DEC-Deadline: **April 9**.

Full-time Education Program Manager- to manage the development and delivery of multi-disciplinary programs that are delivered through partnerships with museums, historic and cultural sites and regional NPS units. The Education Program Manager will also develop and manage informal STEM based initiatives for non-traditional learning audiences and support efforts to secure programmatic resources. The NYS Canal Corporation is a core partner in Erie Canalway's educational initiatives. Deadline: **April 9**.

Community Energy Project Coordinator-Erie County, NY is hiring a coordinator for the Erie County Low Income Program for Sustainable Energy (ECLIPSE). ECLIPSE will create a community energy program to provide integrated energy services for Low- to Moderate-Income (LMI) households. It will purchase energy in bulk (including community solar energy) for Home Energy Assistance Program (HEAP) recipients in Erie County. An interdepartmental county team will work with partners, such as utilities and community organizations, to develop strategies to communicate the benefits of these offerings to LMI households.

Tompkins County seeks Chief Sustainability Officer -Tompkins County is recruiting to fill its newly created Chief Sustainability Officer position. Come work in a place where sustainability planning is turned into real-life actions and programs. Tompkins County has a long history of leading in the realms of sustainability and mitigating the impacts of climate change and has achieved the highest level of NYS Climate Smart Communities Certification. With an engaged citizenry, supportive elected officials, motivated colleagues and community partners, and dedicated green capital funding, all the pieces are in place to implement cutting-edge initiatives to reduce the use of fossil fuels and create a model sustainable government. **Deadline: April 11, 2021.**

SNAP-Ed Part-time Educator-CCE of Chautauqua County is seeking an educator for the regional Supplemental Nutrition Education Program (SNAP-Ed) to deliver nutrition education to improve healthy food and lifestyle choices among limited resource families. Part-time position $16-$19/hour. Bachelor's degree preferred and ability to meet travel requirements required. Experience in human services and Spanish language experience desired. Deadline: **April 12**.

Clean Air Coalition Executive Director- step into a strong and growing team committed to organizing poor and working-class communities for environmental justice, and a reputation for winning. Deadline: **April 14**.

Assistant Event Coordinator- The Buffalo and Erie County Botanical Gardens is seeking qualified applicants for a part-time position of Assistant Event Coordinator.

New York Sea Grant's (NYSG) 2021 Community Engaged Internship Program- The 10–week internship, which includes a $5K stipend, begins on June 1st, will be located at SUNY Farmingdale State College and virtually at NYSG's Stony Brook University office. The goal of this program is to broaden participation in marine and coastal professions by providing training and mentorship to the next generation of scientists, decision-makers, and citizens. The program will achieve this by recruiting, retaining, and engaging diverse students in place-based research, extension, education, and/or communication that respects and integrates local ways of knowing. Deadline: **April 15th by 5 PM EDT** and students will be notified by Monday, May 10th.

Animal Keeper I-Buffalo Zoo. Deadline: **April 19**.

Youth Programs Coordinator Job Description www.ProvidenceFarmCollective.org − info@providencefarmcollective.org Providence Farm Collective (PFC) is a non-profit organization established in 2019 with a vision of empowering just and equitable access to food and farmland! PFC provides underserved communities and individuals in Western New York with land to farm; business and farming education; affordable fresh produce; a place to share cultural farming traditions and the social, emotional and health benefits of nature. For more information on PFC's programs visit www.ProvidenceFarmCollective.org/programs. Integral to the vision and mission of PFC is to provide educational opportunities for the farmers, youth and public, so that we can share skills, knowledge and understanding to create engagement. PFC offers farmers and their families three opportunities to engage in Education for children and young adults. Summer Youth Internship Programs In partnership with the Buffalo Urban League/Erie County Summer Youth Employment Program (ages 14- 20) and Mayor Brown's Summer Youth Internship Program (ages 14-21), PFC teens have the opportunity to develop leadership and communication skills on various projects, while also serving their communities. Students are supported in their application for participation. Teens participate in farm to table responsibilities in the food system and tutoring responsibilities to promote the learning of younger siblings over the summer recess.

Farm Crew- Providence Farm non-profit.

Markets Manager- Providence Farm non-profit.

Director of Youth Business Development-full time will work closely with Foundry leadership to design and develop a successful FoundryMade program. Growing this initiative will include program development, workforce supervision, product development, sales and marketing.

Behavior Assistant- Erie County SPCA, full-time.

Behavior Assistant, Feline Lead- Erie County SPCA, full-time.

Veterinary Assistant - Erie County SPCA, full-time.

Facilitator of Learning, Adolescence Education Focus-Buffalo Science Museum, full-time

Director of Environmental Stewardship and Sustainability-Heart of the City Neighborhoods Buffalo, full-time.

FoodCorps AmeriCorps Service-Teach, Grow, and Learn with FoodCorps for the 2021-2022 school year. As a FoodCorps AmeriCorps service member, you'll spend a year teaching kids about healthy food. Whether you teach virtually or in person, you'll earn a stipend, a year's worth of training and professional development resources, and a network of passionate food educators. This is a great opportunity for folks who are committed to food justice, inspired by strong local communities, and creative in the face of a challenge- like serving during a pandemic. FoodCorps is accepting applications until all service member positions are filled, but they recommend applying early. Interviews begin in April.

Iroquois National Wildlife Refuge Intern- May 17 thru August 15. The individual selected for this position will work primarily with the Refuge staff in developing and conducting outreach, environmental education and interpretive programs around the Refuge's Visitor Services programs and Buffalo Urban Wildlife Refuge Partnership. **Apply now.**

LISC WNY Development Officer for Real Estate - whose key responsibilities include program finance support and housing program support. Qualifications include a Bachelor's degree from an accredited college or university required; post-graduate degree is a plus, and minimum 5 years professional experience in community development, real estate, lending, finance or non-profit field. Deadline: **until filled.**

LISC Assistant Program Officer- Deadline: **until filled.**

Heart of the City Director of Environmental Stewardship and Sustainability- to lead the implementation of Phase 1 for the Green Infrastructure Workforce Development Program. Deadline: **until filled.**

New York Forest Owners Association Executive Director- This seasoned leader not only understands the key elements of sound forest management techniques for the private woodlot owner, but has proven experience translating a vision into practical applications, accessible to our membership. Above all, the executive director will be comfortable in a leadership role that demands clear communication and decisiveness. The executive director will have a contractual relationship with NYFOA, provide their own office space and equipment, follow a flexible work schedule, and commit to a minimum of 1,000 dedicated hours per year to NYFOA activities. Deadline: **until filled**.

Compost Operations Manager- Full-time. EcoVerde Organics seeks candidates to fill FT role of Compost Operations Manager. Key responsibilities: 1) Plan, manage, and supervise the compost operation, including waste/feedstock collection, hauling and depackaging; 2) Operate heavy equipment and vehicles; 3) Supervise crew, ensuring safety; 4) Record keeping and scheduling; 5) Perform other duties as assigned. Open until filled.

Paid Internships in the Energy Sector in NY- By participating in New York State's Clean Energy Internship Program, you will gain hands-on experience in the growing clean energy sector as either a part-time or full-time paid intern in one of many potential roles. Through the program, you'll get the opportunity to work at companies that are helping combat climate change including energy efficient product manufacturers and installers, wind and solar developers, and even businesses that work in the alternative transportation sector such as electric vehicle and charging station companies.

Senior Community Development Project Manager- work on creation of new affordable housing developments and management of community development programs The Senior PM will also partner with the Director of Planning and Community Development to focus on new projects, new business lines, and the existing pipeline. BNSC's current work includes a variety of residential and commercial projects from small residential rehabilitations, to a sustainable mixed-use workforce training center, to infill and new build development. BNSC and PUSH's current portfolio of affordable housing includes over 100 units of affordable housing on several sites, 11 units currently under construction, and approximately 53 units of supportive and affordable housing in pre-development.

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

Clean Air Coalition Internships-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. All internships include some operations and administrative work.

Service Collaborative of Western New York Vista Positions/Americorps-Opportunities for paid community involvement. Check out the available opportunities and eligibility.

ASHA Animal Sanctuary Internships- Seeking individuals for administrative, development, visitor programs and animal care positions.

Buffalo & Erie County Botanical Gardens Internships-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

EquiStar Intern will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions. She/he will have the opportunity to assist with planning and delivering the therapeutic riding programming along with learning the day-to-day responsibilities of operating a stable and caring for horses.

Citizen Science

Become a Water Reporter- Download the App and record signs of water pollution, plastic debris or wildlife issues.

Earth Challenge 2020

Hemlock and HWA Hunters-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu orinfo@nyshemlockinitiative.info.

EPA Citizen Science Database-offers a searchable site for ways the public and EPA can partner to collect environmental information.

Tree Pictures for NASA Data Verification- NASA would like you to take a picture of a tree, please. The space agency's ICESat-2 satellite estimates the height of trees from space, and NASA has created a new tool for citizen scientists that can help check those measurements from the ground. All it takes is a smartphone, app, an optional tape measure, and tree.

Citizen scientists: Help with BioBlitz on Buffalo's Outer Harbor- Be a citizen scientist and help the Pollinator Conservation Association with its BioBlitz through Dec. 1 on the Outer Harbor in Buffalo. Help to discover and identify flora and fauna there to improve conservation planning for future projects.

Other Citizen Science Programs

Upcoming Community Activities:

****Many in-person scheduled events are still canceled or may be announced if situations improve. Updates for any new events will be posted to www.daemen.edu/enviro-news, if restrictions to events are lifted.**

Thursday, April 1

Soil Invertebrates - Getting to Know the Life in Soil-1:00 PM - 2:30 PM EST, Webinar. Join Stephanie Frischie and Jennifer Hopwood of Xerces Society to learn more about the amazing life in our soils. Healthy, living soil and its functions are created and maintained by fungi, bacteria, plants and by invertebrate animals as diverse as annelids, springtails, and firefly larvae, among others. This workshop will familiarize participants with common soil invertebrates, their ecology and roles in soil health, scouting methods, and management strategies to increase beneficial soil animal populations. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Home Composting: Natures Recycler -7pm webinar. Will provide an overview of the benefits and the simple steps of home composting. Attendees will learn the amazing natural processes that will turn kitchen scraps and yard waste into compost that can be used to improve your ornamental and vegetable garden. Best practices for home composting will be presented. Register.

April Fool's Day Walk-10am. Explore some of the ways nature "fools" us on this guided walk. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Garden Talk: What is Lasagna Gardening?- 12:00 PM - 12:30 PM. Join Dar H. for this program via Zoom. Lasagna gardening is a no-dig, no-till way to create a new vegetable garden or flower bed. It gets its name from the layers used to create it. Register in advance for this meeting: After registering, you will receive a confirmation email containing information about joining the meeting. Free and Open to the Public.

The New Climate War: A conversation with Dr. Michael E. Mann- 3:00pm ET. We'll be talking about the most important ways to make rapid progress in the fight against climate change, and what has and hasn't changed in the ten years since my book, The Climate War, was published. Writing that book led me to leave journalism and work on climate full-time. What impact has writing The New Climate War had on Dr. Mann? We'll find out. Register.

Regenerative Agriculture | Indigenous Roots & Transformative Futures-6pm. Join Rainforest Alliance. We'll delve into the importance of regenerative agriculture in a conversation with Eko Purnomowidi, Founder and Senior Adviser of Klasik Beans Cooperative, and Chef Dan Barber, Executive Chef and Co-Owner of Blue Hill. We will be discussing respectfully applying and adapting traditional ecological agricultural knowledge on a wide scale, and why that's critical to healing our land. Register.

CCIA for a Just Transition-12:30pm. It builds on the Climate Leadership and Community Protection Act passed in 2019, which sets legally binding emission reduction standards to transition New York off of fossil fuels by 2050 and mandates that 40% of state climate and energy funding be invested in environmental justice communities. Join us for this discussion with PUSH Buffalo and NY Renews to learn more! Register.

WNY Drilling Defense/Environmental Justice Taskforce Monthly Meeting-7 PM. Link.

Friday, April 2

What's Bugging You First Fridays: Dealing with springtime ants and Protect yourself against ticks. - noon to 12:30pm, a new virtual series on practical solutions to pest problems, is being held by Cornell Cooperative Extension Chautauqua County in partnership with the New York State integrated Pest Management Program. See details and registration information here or call CCE Chautauqua at 716-664-9502.

Saturday, April 3

Outdoor Skills -10am. In this program, you will build an emergency shelter from natural materials and practice navigation and fire building techniques. For adults and children ages 8 and older. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Calls of the Wild- 9am to noon at Joseph Davis State Park. Spring has sprung and with the greenery, animal calls. Ever wonder what makes each noise? Enjoy a presentation on the calls of the wild and a walk to try recognizing some of them. ***For information and registration call (716) 282-5154.***

Vernal Pool Magic!-7 to 9pm at Evangola State Park. Dancing salamanders and quacking frogs breed in clear forest pools this time of year! Explore and study these ephemeral wetlands during the peak of the frog chorus. ***For information and registration call (716) 549-1050.***

Long Trail Birding Hike-9 to 11am. Join us for a hike down Long Trail to the Backwoods Loop at Beaver Meadow Audubon Center. We'll be looking and listening for signs of spring, like nesting Red-shouldered Hawks, Drumming Ruffed Grouse, and choruses of Spring Peepers! Meet at the Arboretum Parking Lot. $10 Non-Members/$8 BAS Members. **Click here** to register.

Electronics Waste Dropoff-8am to 2pm at City Engineering Garage, 1120 Seneca St., Buffalo.

Field Trip: Purple Martin Gourd Rack Set-up-Batavia Wastewater Treatment Plant, 17 Treadeasy Ave, Batavia, NY 14020 (map). PLEASE NOTE - The weather date for this field trip will be MONDAY, APRIL 5! Please check in with Celeste if the forecast calls for rain...or snow! Leader - Celeste Morien (585) 721-8202 Celeste.morien@gmail.com. Meet at 9:00am at the Batavia WWTP main building. This is a different type of field trip - one with a purpose other than listing! Come help Celeste Morien set up the Purple Martin gourd-style houses on the rack at the Batavia Wastewater Treatment Plant. Who knows - if time allows, we can organize a quick spin through the facility to check for migrant waterfowl.

Eagle Watch-1 to 4pm. Ringneck Overlook, Iroquois National Wildlife Refuge, 11412 Oak Orchard Ridge Rd, Medina, NY 14103. https://www.facebook.com/events/3824482520961434

Naturalist Skills Series (4 of 4): Birding Basics-10am to noon. Earth Spirit Program at Beaver Island State Park. Looking at our feathered friends in a closer way can paint a picture of the world that few ever notice. Register.

House Plant Swap and Seed Swap-Happy Shack Oils & More- 12 PM EDT – 3 PM EDT. Spring is coming, lets swap some houseplants. This is also the home of WNY Seed Library so make sure you pick up a few free seeds during your visit. No rules and no cash, lets just trade for fun. LEARN MORE

Sunday, April 4

Naturalist Skills Series (4 of 4): Birding Basics-10:00am-2:00pm at Beaver Island State Park. Looking at our feathered friends in a closer way can paint a picture of the world that few ever notice. We will take note of the early portion of the Spring migration along a premier North American flyway and gain a better understanding of the seasonal changes. Binoculars will be provided. Ages 12 and up. No exceptions. *This is program #4 of a four-program series.* Register and info.

Fairy Shrimp of the Rain Gardens-10am to noon at Beaver Island State Park. Forest pools come alive with tadpoles, salamander larvae and "fairy shrimp" who appear like magic! Accompanied by a frog chorus serenade, lets probe the rain gardens and discover the creatures that breed there. *For information and registration call (716) 549-1050.*

Monday, April 5

Spring Reptile Walk-11am. Hike around the ponds at Reinstein Woods and learn about the reptiles that are waking up for the season. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Tuesday, April 6

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Ramp/Wild Leek Foraging and Forest Farming: Identification, Uses, and Importance-7:30 to 8:30pm webinar will provide the latest information and research regarding ramps, ramp foraging, forest farming opportunities, and explore the relationships that the people of Pennsylvania have with this stinky wild onion. Register.

Part 2 with Dr. Fred Provenza: Plant Diversity and Health-4:00 PM - 5:30 PM (Eastern Time) In this second webinar in a three-part series, guest presenter Dr. Fred Provenza will discuss how plant health and diversity impacts animal health and ultimately human health. Background: Plants turn dirt into soil and diverse mixtures of plants turn soil into homes, grocery stores, and pharmacies for diverse arrays of herbivores, omnivores, and carnivores below and above ground. Human health is linked with the diets of livestock through the chemical features of the plants that livestock eat. That includes not only energy, protein, minerals, and vitamins that plants contain, but the tens of thousands of other compounds that plants produce, collectively termed phytochemicals. This rich pool of compounds is increasingly recognized as responsible - as a complex whole - when trying to understand how plants promote health in herbivores or omnivorous humans who eat plants and meat. Through their many properties - that include anti-inflammatory, anti-microbial, anti-parasitic, and immunomodulatory effects - phytochemicals bolster health of soils and plants and protect livestock and humans against diseases. Understanding these interrelationships can help farmers and ranchers enhance profitability by diminishing costly fossil-fuel linkages among soil, plant diversity, livestock, and humans. Register.

Great Lakes Regional Sediment Management Webinar: Urban Stormwater and Green Infrastructure-2pm. This webinar series is being hosted by the Great Lakes Regional Sediment Management Team, a collaboration of agencies including the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency Great Lakes National Program Office, the U.S. Geological Survey, the U.S. Department of Agriculture – Natural Resource Conservation Service and the Great Lakes Commission. For more information and to register, go to: https://greatlakesrsm.net/events/2021-great-lakes-regional-sediment-management-workshop/

Signs of Spring - Family Spring Peeper Hike-7 to 8:30pm. One of the telltale sounds of early spring is the high-pitched peeping chorus of Spring Peepers, 1.5 inch long frogs that make a big sound. Bring your family for an evening guided hike at Beaver Meadow as we learn about these wondrous amphibians and listen for their unique symphony! $20 per family of 4 Non-Members/$16 per family of 4 BAS Members. $5 Individual. Click here to register.

Wednesday, April 7

GBNRTC Meeting-9:30AM, GBNRTC PCC meeting will be broadcast live for public viewing on GBNRTC's Facebook Page **facebook.com/GBNRTC**. You may watch the live stream at this link, whether or not you have a Facebook account. However, in order to leave a comment on the Facebook Live video, you will need a Facebook account. You can also send any questions or comments to **staff@gbnrtc.org**

Family Nature Quest: Woodpeckers-10am. Explore the woods on a quest to find signs and sightings of the many woodpeckers that call Reinstein Woods their home. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K-5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Virtual Program: Busy Beavers-7:30pm. Celebrate International Beaver Day by learning about these amazing rodents, which are also New York State's official mammal. Pre-registration required; register online at www.reinsteinwoods.org/events

Virtual Public Hearings: Food Donation & Food Scraps Recycling Law-1 pm and 6pm. Part 350 regulations will implement the requirements outlined in the NYS Food Donation & Food Scraps Recycling law. The law takes effect on January 1, 2022 and requires large businesses, those that generate two tons of wasted food per week or more, to donate excess edible food and recycle all remaining food scraps if they are within 25 miles of an organics recycler. Persons wishing to comment on the proposed Part 350 regulations have the opportunity to submit written comments or make a statement at one of two public comment hearing webinars. April 7, 2021 1 p.m. - Register ; April 7, 2021 6 p.m. - Virtual Public Hearing - Register. DEC will accept written public comments through April 27, 2021.

Wednesday Woods Walk-2 to 4pm at Woodlawn Beach State Park. Spring is finally here! Enjoy a scenic walk through the park to look for spring happenings. *For information and registration call (716) 549-1050.*

In Search of the Labrador Twister-7:30 to 9:30pm at Knox Farm State Park. Witness the marvelous display flight of the Labrador twister, Timberdoodle, Bogsucker and Mudsnipe, all names for our upland shorebird most people know as the Woodcock. *For information and registration call (716) 549-1050.*

Webinar - Proper Planting Practices: Are We Landscaping in a Deficit Model – 12 to 1pm. Richard McCoy will provide information on current techniques of proper planting, how to correct unseen issues that are borne in the landscape nursery, the importance of the plant root collar, plant placement by matching site conditions to a plant's cultural needs, and how these efforts add value to a landscape. Read more and register

State Level Lobby Training for Climate and Community Investment Act- 7:00pm – 8:30pm. Join this lobby training for People-of-Faith in preparation for the Climate and Community Investment Act, the CCIA. The state senate bill S4264A was presented in committee last week and we have a lot of work to do. We will be called on to lobby our senators and assembly-people. RSVP Here

Learning from the Experts: Offshore Wind Technologies 101-1 to 2pm. Register for the webinar.

Thursday, April 8

Getting to Know the 'Good Bugs' – Scouting for Pollinators and Other Beneficial Insects-1:00 PM - 2:30 PM EST, Webinar. Discover the mysteries of pollinators and natural enemies of crop pests through this informative webinar. Learn how to differentiate a honey bee from a native bee and how to recognize some of our most common natural enemies of crop pests. This webinar will introduce a simple monitoring protocol designed to help farmers, land-managers and backyard gardeners assess populations of beneficial insects on their farm or in their garden. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Meeting of the Western NY Forest Pest Taskforce (WEABTF) in Cheektowaga-9am. Email for link to sin2@cornell.edu

Freedom Wall Stakeholders Meeting-4:30pm. The Michigan Street African American Heritage Corridor Commission and the East Side Garden Walk in Buffalo have partnered to host a series of stakeholders meetings to discuss the much-needed maintenance of the Freedom Wall. The Freedom Wall depicts the icons of the Black community. The public is invited to discuss ideas for improvement such as gardens and lighting. The groups will be hosting a series of stakeholders meetings to address the concerns that include exposed rebar, insufficient lighting, rampant littering and safety concerns. You can register here or at www.michiganstreetbuffalo.org/freedom-wall to receive the Zoom invitation.

Silly Walk -10am. Make sure to stretch before you join us for this silly walk as we discover--and practice--how different animals move. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Virtual Program: Sustainability Lunch Talks-Noon. As Earth Day approaches, are you looking for ways to live more sustainably? Want to cut back on your use of fossil fuels? Join these lunchtime sessions to help you get started. You can register for one or all of the sessions. Pre-registration required; register online at www.reinsteinwoods.org/events

Buffalo Central Terminal Public Meeting -6pm a public virtual meeting will be held on Zoom. Reflect on the collective vision for the Buffalo Central Terminal and its future life in Broadway Fillmore. You can learn more about the planning process here, pre-register here for the Zoom meeting, or participate by phone 929-205-6009, Meeting ID: 832 8380 5358.

The Importance of Forests to Watersheds (webinar)-6:30pm. This presentation, with featured speaker Bryan Swistock, will discuss concepts of "forest hydrology" which is defined as the movement of water within forested watersheds. Specifically, the importance of infiltration and recharge to groundwater will be explained along with how forested land facilitates the processes that supply clean and abundant groundwater and surface water. The connection between natural forest processes and current stormwater management practices will also be discussed. These practices seek to mimic forest processes to ensure adequate groundwater recharge, reduce surface water runoff, and protect groundwater quality in urbanizing areas. For municipalities and village and town officials, a certificate of completion will be available and can be sent to the Southern Tier West Regional Planning and Development Board for approval. The webinar is free and will be held virtually via Zoom. To join, click here: https://us02web.zoom.us/j/82597724120.

Consumer Behaviors & Zero Waste Communities: Inform? Enable? Incentive? Regulate?-2 to 3pm EDT. Consumer demand for time-saving, low-cost conveniences drives rising levels of waste. Many different solutions have been implemented or are being proposed to support reduce, reuse, and recycle objectives. Success or failure hinges on the quality of consumer participation in these efforts --- even if a reduce, reuse, and recycle infrastructure is put in place by municipalities and business. In this webinar, we will be exploring: • Which initiatives working to change consumer behaviors • How inform, enable, incentive and regulate work together • Innovations that are helping the consumer journey to zero-waste goals. Register.

Friday, April 9

Federal Level Action on Climate Change-6:30pm – 8:00pm. Join Senate Majority Leader Chuck Schumer (D-NY) and other elected officials on how they plan to fight for climate, jobs and justice in our communities. Questions can be submitted when you RSVP. RSVP Here

The Future of Mobility: What's Next for American Cities?- 1:00 p.m. EDT. Officials from the city of Buffalo, New York, and their planning team share the outcomes of their recent efforts to address the fundamental challenge posed by the next generation of mobility innovations reshaping the future of cities.
Find out more and register for this free webinar via the link.

Saturday, April 10

Online Horticulture Classes - 11am-1pm, General Public - $25 per class or $125 per series, Members - $22.50 per class or $112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class.
https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes

Owl Prowl-9pm. Learn about the owls that live at Reinstein Woods during a nocturnal adventure in search of them. For adults and children ages 8 and older. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Here We Go Digging for Dinosaur Bones by Susan Lendroth-10am. A call back to our 1st month's paleontological feature but this time with song — and hand motions! Join us as we learn and sing a little song to help us remember all of the important steps used in dino bone finding, collecting, and prepping. Wear your gear to collect dino bones – hats and vests encouraged! Sign Up Here!

All About Bees-4pm EST. An Online Class For Kids and Adults. Learn about the different species of bees, how they live and how you can help them at home. Register.

Fun Facts with Kelly: Wetland Edition-1 to 3pm at Beaver Island State Park. Walk along the wetland within Beaver Island! Learn about unique species that call the lagoon home and maybe catch a glimpse of the local beavers swimming around. ***For information and registration call (716) 282-5154.***

Eagle Watch-1 to 4pm. Ringneck Overlook, Iroquois National Wildlife Refuge, 11412 Oak Orchard Ridge Rd, Medina, NY 14103. https://www.facebook.com/events/3824482520961434

Broderick Park Pruning Volunteer Event- 10am-12pm. The Friends of Broderick Park are having their first volunteer event of the season! BWELL will be working with them to selectively prune the flowering shrubs so that we can control the growth and bring some reverence back to the Contemplative Garden and give the space the respect it deserves as a memorial to the Underground Railroad. All materials will be provided and we will have a horticulturalist on hand from McKinley HS to instruct us on proper techniques. We are looking for **10 volunteers** to help us! Please register HERE

Sunday, April 11

Integrated Pest Management Class-9am to 11:30 at Drave's Arboretum, 1815 Sharrick Rd, Darien Center, NY 14040. This class will cover Integrated Pest Management (IPM) strategies for controlling a wide variety of fungal, insect, and vertebrate pests and diseases commonly found in Western New York landscapes. Attendees will have the opportunity to interact with a Pest Management Professional with over ten years of experience identifying, monitoring, and treating trees and shrubs in the region. Strategies covered will include mechanical, biological, cultural, and chemical controls as well as a discussion on timing and implementation. Instruction will begin with a 45 minute to one hour classroom instruction, followed by a tour to demonstrate scouting practices and view examples in the field. DEC and CNLP re-certification credits can be earned by attending this class. Cost: $40 Arboretum members, $45 non-members. Register and pay online: https://www.dravesarboretum.org/event.../ipm-class-2021

Monday, April 12

Otter Encounters: Virtual Field Trip of the Wild Center- 4 to 5pm. Ever wonder how science and the natural world work together? Erie County 4-H will be hosting a Virtual Field Trip with The Wild Center; a natural history center in Tupper Lake, NY in the center of NY States Adirondack Park. Join a Wild Center Naturalist at Otter Falls on April 12th at 4pm to examine the unique adaptations of our North American River Otters. Learn about the history of otters in New York State including their incredible comeback. We will head, virtually, to Wild Walk to view the Adirondacks and otter habitats from above. This workshop, generously sponsored by the 4-H Alumni, will bring nature to your home in a unique and exciting way! You must pre-register to receive the Zoom Link. Before the virtual tour you will receive a link to a book reading to introduce participants to the workshop. register

Tuesday, April 13

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

How to Use Invasive Species in Experiential Learning Modules for K-12-11am to noon. Join the Finger Lakes PRISM for their Invasive Species: How to Know, Observe and Report Webinar Series. This presentation will feature Nadia Harvieux, Finger Lakes Institute at Hobart and William Smith Colleges. Please register in advance.

Part 3 with Dr. Fred Provenza: Creating Locally Adapted Herbivores-4:00 PM - 5:30 PM . In this final webinar in our three-part series, guest presenter Dr. Fred Provenza will discuss how we can help livestock prosper by using foods and habitats available locally while minimizing inputs from fossil fuels. Background: We often focus on "genetics" of the animals in our care, and rightly so, but we seldom stop to consider that genes are expressed in the environments where animal are conceived, born, and live over generations. Experiences in utero and early in life have life-long influences on behavior including an animal's abilities to use particular foods and habitats. Natal experiences affect food and habitat preferences in animals as diverse as insects, fish, birds and mammals. The emerging field of epigenetics, which highlights how experiences with social and biophysical environments influence gene expression, is changing static view of evolution based on natural selection of beneficial mutations, a process that occurs over millennia, to one that is dynamic and ongoing within the lifetime of the individual and across generations. These findings have counterintuitive knowledge is enabling people to better manage the food and habitat selection behaviors of livestock implications for issues -- from invasive plants to rare and endangered animals -- that have to do with developing philosophies and management practices that accent ongoing transformation with ever-changing environments as the low-cost alternative to attempting to "go back to the way things used to be." Register.

Integrated Pest Management for Spotted Lanternfly (SLF) (EPA) - 2 p.m. - 3:30pm. This webinar will present the latest in SLF prevention and control strategies used by arborists, including pesticides (biopesticides and conventional pesticides), cultural controls, and biological controls. Continuing education credits will be available through some tree/arborist and pest management associations. Register online.

The Wonderous World of Fireflies-7:30pm, Rochester Academy of Sciences presented by Dr. Sara Lewis from Tufts University. Free. View at https://meet.exputo.com/b/mar-sg9-smm-cin

Great Lakes Regional Sediment Management Webinar: Coastal Systems and Sediment Transport-2pm. This webinar series is being hosted by the Great Lakes Regional Sediment Management Team, a collaboration of agencies including the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency Great Lakes National Program Office, the U.S. Geological Survey, the U.S. Department of Agriculture – Natural Resource Conservation Service and the Great Lakes Commission. For more information and to register, go to: https://greatlakesrsm.net/events/2021-great-lakes-regional-sediment-management-workshop/

"Monitoring and Managing Ash--a Program for Long-term Ash Conservation."-7:30pm. Niagara Frontier Botanical Society talk. Our virtual speaker, Jonathan Rosenthal, is Director at the Ecological Research Institute in New Paltz, NY. He will discuss current efforts to save the ash tree from extinction through selective breeding. Link.

Wednesday, April 14

Champions for Conservation-7pm presented by Lisa Thibault from the Buffalo Zoo. Penn Dixie sponsored talk. Meet a few endangered species, see how the Buffalo Zoo tackles conservation, and learn how you can be a conservation champion at home. Lisa Thibault is the Onsite Programs Specialist at the Buffalo Zoo. She has her B.A. in Zoology and her MAT in Biology and spent her college career conducting studies in ecology and conservation education techniques. She currently works with student of all ages and teaches a variety of biological topics. Sign Up Here! We'll contact you with a Zoom link prior to each program.

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Webinar - Maximizing Space in the Garden: Creating More of a Good Thing- 12:00-1:00pm EDT. No matter if you're gardening in a close-knit neighborhood or a sprawling estate, you want to garden efficiently, prolifically, sustainably, and beautifully. Tovah Martin will explain that you need to garden smartly and you've got to conserve your resources. When you layer a garden, not only do you maximize space, but you can also create hardworking habitats. Read more and register

Green Gardening: Designing with Native Plants and Avoiding Invasive Species (Adirondack Park Invasive Plant Program) –10 a.m. - 11:30 a.m. Join the Adirondack Park Invasive Plant Program and expert speakers from the Native Plant Trust to learn how to design attractive landscapes using native plants, avoid invasive species, and prevent the spread of soil harming invasive jumping worms. In 2021, you can help your garden support pollinators, increase biodiversity, and protect our local environment. Register online.

Gardens After Dark: Fantastic Fairies-6:30 to 9pm. The Buffalo and Erie County Botanical Gardens. See a magical and whimsical garden full of winged creatures. Visitors are encouraged to wear their favorite fairy costume to fully indulge in the tropical fairy garden as lights dance and bounce off the glass windows and shadows are created by the amazing plant collection that will transport you to another world full of fantastic fairies. Delight in the Spring Flower Exhibit, a fairy village display, a model train and more. Buy tickets here.

WNY Stormwater Coalition Meeting-2 to 3:30pm via Zoom. Please contact Mary MacSwan at mary.macswan@erie.gov for meeting details.

Let's Talk Lake Ontario-Join us for a free webinar called "Let's Talk Lake Ontario" at noon. Learn about the state of the lake and what communities can do to improve the health of the lake. To register, please visit the Eventbrite page.

Thursday, April 15

Virtual Program: Sustainability Lunch Talks-Noon. As Earth Day approaches, are you looking for ways to live more sustainably? Want to cut back on your use of fossil fuels? Join these lunchtime sessions to help you get started. You can register for one or all of the sessions. Pre-registration required; register online at www.reinsteinwoods.org/events

Citizens for Regional Transit Quarterly Meeting-For details and link, visit https://citizenstransit.org/

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Online Succulent Garden Workshop- 6:30-7:30 p.m. by the Buffalo and Erie County Botanical Gardens. Design a unique succulent container garden while learning more about these exciting low-maintenance plants. Learn how succulents grow and how to propagate them while adding some creative touches to your garden. Containers, soil, plants and supplies are included. Fast, easy and safe pickup for materials will occur from 4:30-5:30 p.m. the day of class. The class will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class. Therefore, if you miss the class, you will have one week to catch up on the class at your convenience. Review our class information and procedures for more information. The cost is $35 for the public and $31.50 for members. Register here.

2021 Beech Leaf Disease Workshop-9:00am to 5:00pm. Presented by the USDA Forest Service, this webinar gathers forest health experts from the United States and Canada to share information regarding Beech Leaf Disease (BLD), an emerging pest of American beech. Throughout the day, a variety of presentations will be shared on topics of BLD epidemiology, distribution, control and research efforts. Registered attendees can earn continuing education credits for the Society of American Foresters (SAF) and the International Society of Arboriculture (ISA) for participating in the workshop. For more information, including a list of speakers and topics, and to register, please visit the registration link.

Gardens After Dark: Fantastic Fairies-6:30 to 9pm. The Buffalo and Erie County Botanical Gardens. See a magical and whimsical garden full of winged creatures. Visitors are encouraged to wear their favorite fairy costume to fully indulge in the tropical fairy garden as lights dance and bounce off the glass windows and shadows are created by the amazing plant collection that will transport you to another world full of fantastic fairies. Delight in the Spring Flower Exhibit, a fairy village display, a model train and more. Buy tickets here.

"Wine & Whine – networking conversations focused on engaging employees"-4:30 to 5:30pm, by WNY Sustainable Business Roundtable. Register.

Friday, April 16

Gardens After Dark: Fantastic Fairies-6:30 to 9:30pm. The Buffalo and Erie County Botanical Gardens. See a magical and whimsical garden full of winged creatures. Visitors are encouraged to wear their favorite fairy costume to fully indulge in the tropical fairy garden as lights dance and bounce off the glass windows and shadows are created by the amazing plant collection that will transport you to another world full of fantastic fairies. Delight in the Spring Flower Exhibit, a fairy village display, a model train and more. Buy tickets here.

LISC Community Development Awards- 9 to 11am. The Community Development Awards (CDAs) recognize individuals and organizations who have made significant contributions to inclusive and equitable community and economic development in 2020. This year's theme is COVID-19 Champions & Collaborators. Register.

Saturday, April 17

CSI: Critter Sign Investigation-10:30am. Become a nature detective and look for "clues" left by wildlife along the trails. For children ages 6-10. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Paleo Art: Bringing the Past to Life with artist Eric Warren-1pm. We'll draw Penn Dixie's coveted *Eldredgeops rana* with the guidance of artist and teacher Eric Warren. He'll walk us through how to bring the past to life with different drawing and coloring techniques. Discover how these animals would have looked and moved when they were alive and translate that to the page – with some artistic license, of course! This workshop is open to all ages but may move quickly. for some of the younger artists. Playback will be available after the program via our Facebook and YouTube.
Sign Up Here! We'll contact you with a Zoom link prior to each program.

The Great Thawing-2 to 3:30pm at Buckhorn Island State Park. As the ice melts and the ground softens, watch for the first species that emerge from the snow in the great spring thaw. *For information and registration call (716) 282-5154.*

Old Woods Birding Hike-9 to 11am. Join us for a springtime birding hike through the oldest part of our Forest Habitat at Beaver Meadow! We'll be looking for early spring migrants, as well as wildflowers, amphibians, and other signs of spring. Meet at the Arboretum Parking Lot. $10 Non-Members/$8 BAS Members. **Click here** to register.

Fairy Festival-Find Your Wings from 10 a.m. to 4 p.m. at the Buffalo and Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Delight in magical vignettes of peeks into the secret world of fairies. Skip through the Botanical Gardens on a magical scavenger hunt for a prize at the end. Talk with educators, visit our pollinator friends from Hahn's Honey Bees and so much more. Buy tickets here.

Gardens After Dark: Fantastic Fairies-6:30 to 9:30pm. The Buffalo and Erie County Botanical Gardens. See a magical and whimsical garden full of winged creatures. Visitors are encouraged to wear their favorite fairy costume to fully indulge in the tropical fairy garden as lights dance and bounce off the glass windows and shadows are created by the amazing plant collection that will transport you to another world full of fantastic fairies. Delight in the Spring Flower Exhibit, a fairy village display, a model train and more. Buy tickets here.

All About Primates: Saturday-Buffalo Zoo. 2:00 pm – 3:30 pm. We are ringing in Ape-ril with a workshop about our closest animal relatives – primates! We will learn the differences between monkeys and apes and all the things that make them special. $25/person. Register and info.

Eagle Watch-1 to 4pm. Ringneck Overlook, Iroquois National Wildlife Refuge, 11412 Oak Orchard Ridge Rd, Medina, NY 14103. https://www.facebook.com/events/3824482520961434

GObike's Mobile Bike Repair-12 to 2pm at the Lexington Co-Op (Hertel Location) for mobile repair! We understand that for many, biking is your only form of transportation, and getting your bike to a repair shop may be difficult! Through our mobile repair services, GObike brings our bicycle repair shop to your neighborhood to provide basic maintenance or repair services. Just bring yourself and your bicycle. Staff and volunteers will be on hand with tools to pump up your flat tire, fix that sticky chain, and adjust your brakes. Participants under 14, please bring an adult. GObike also gratefully accepts bicycle and bicycle part donations at our mobile repair events. Bike donations are upcycled back into the community through our community workshop and youth recycle-a-bicycle program and help provide financial support for our community workshop and programming.

Community Shredding & Clothing Recycling Event-9am to noon at JFK Park, 363 Clinton St., Buffalo. Household and personal papers only and clothing.

Sunday, April 18

Gardens After Dark: Fantastic Fairies-6:30 to 9:30pm. The Buffalo and Erie County Botanical Gardens. See a magical and whimsical garden full of winged creatures. Visitors are encouraged to wear their favorite fairy costume to fully indulge in the tropical fairy garden as lights dance and bounce off the glass windows and shadows are created by the amazing plant collection that will transport you to another world full of fantastic fairies. Delight in the Spring Flower Exhibit, a fairy village display, a model train and more. Buy tickets here.

Fairy Festival-Find Your Wings from 10 a.m. to 4 p.m. at the Buffalo and Erie County Botanical Gardens, 2655 South Park Ave., Buffalo. Delight in magical vignettes of peeks into the secret world of fairies. Skip through the Botanical Gardens on a magical scavenger hunt for a prize at the end. Talk with educators, visit our pollinator friends from Hahn's Honey Bees and so much more. Buy tickets here.

Monday, April 19

Perennials for WNY Workshop-6:30 PM - 7:30 PM. Learn to plan, plant and maintain a perennial flower garden for years to come. Variety selection, planning considerations, maintenance required, and more will be covered. Price: $15. Payments can be made in-person at CCE's administration office, located at 4487 Lake Ave, in Lockport. We accept cash and checks. Regular business hours are Monday-Thursday, 8:00 a.m.-4:20 p.m., and Friday from 8:00 a.m.-4:00 p.m. Class will be held in the 4-H Training Center's Large Meeting Room.

Hemp Webinar Series: Fiber and Grain Research Update-12 to 1pm webinar for hemp producers to learn about the latest research on hemp fiber and grain production in Pennsylvania. Register.

Tuesday, April 20

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Ramp/Wild Leek Foraging and Forest Farming: Biology, Stewardship, and Practices -7:30 to 8:30pm. Ramps or wild leeks are a popular native forest onion harvested for its edible bulb and leaves. will provide the latest information and research regarding ramps, ramp foraging, forest farming opportunities, and explore the relationships that the people of Pennsylvania have with this stinky wild onion. Free, but register here.

Great Lakes Regional Sediment Management Webinar: Habitat and Restoration-2pm. This webinar series is being hosted by the Great Lakes Regional Sediment Management Team, a collaboration of agencies including the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency Great Lakes National Program Office, the U.S. Geological Survey, the U.S. Department of Agriculture – Natural Resource Conservation Service and the Great Lakes Commission. For more information and to register, go to: https://greatlakesrsm.net/events/2021-great-lakes-regional-sediment-management-workshop/

Conducting a pH Soil Test / Planning for Pollinators- 7 to 8pm, Cornell Cooperative Extension of Cattaraugus County continues its virtual Gardening Workshop Series, featuring presentations focused on home gardening, and resources from the Cornell Garden Based Learning Library and Master Gardener Volunteer program. The workshops are hosted and presented by Cornell Cooperative Extension staff, regional Master Gardener Volunteers, and other local gardening experts. Each session focuses on one or two gardening topics, with time allotted to questions and answers. If you are interested in these topics as a beginner or experienced home gardener, we encourage you attend any of these free educational sessions via Zoom presentation Registration link.

Toddler Time - Earth Day, Hooray!-10 to 11:30am.Celebrate Mother Earth with us by helping to clean up Beaver Meadow a little bit. We'll read a story about Earth Day, create an earth friendly craft, and eat a healthy snack! Ages 2-4 as a guideline. $10 Non-Members/$8 BAS Members. **Click here** to register.

Best Practices and Personal Experience on How to Design Successful Recycling Programs -12 to 1:30pm. Recycling in outdoor parks, streetscapes, and other public spaces can be challenging. The unrestricted, "on-the-go" nature of these public spaces makes them more susceptible to contamination, wear and tear, and other issues. Register here.

Wednesday, April 21

Creating Community with Our Insect Neighbors-12:00 PM EST. Webinar. Join Dr. Nancy Lee Adamson of Xerces Society to learn about common insects in our communities and how to support them. Nancy will highlight the difference between solitary and social wasps and bees, "beneficial" insects in agriculture, and ways we can support insects in our neighborhoods and broader communities. Click here for more information and to register.

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Webinar: Creating Community with Our Insect Friends- 12 to 1pm. Join Dr. Nancy Lee Adamson to learn about common insects in our communities and how to support them. Nancy will highlight the difference between solitary and social wasps and bees, "beneficial" insects in agriculture, and ways we can support insects in our neighborhoods and broader communities. **Read more and register**

Buffalo's Outer Harbor: The Right Place for a World Class Park -7 to 8:30pm. We love our Outer Harbor for its natural beauty, ecological importance, and recreational opportunities. Western New Yorkers have spoken loud and clear: we want this fragile Great Lakes gem to be permanently protected, naturally restored, and publicly accessible. Join us to learn about making our unique resource a state park. Free and open to the public! Presenters: Sam Magavern, Senior Policy Fellow, Partnership for the Public Good, and Jay Burney, a founder of Our Outer Harbor Coalition. The League of Women Voters and our partners in presenting this program, Our Outer Harbor Coalition, 21st Century Park on the Outer Harbor, and Partnership for the Public Good, support designating the Outer Harbor on Buffalo's waterfront as a State Park. **RSVP**: Register in advance at bit.ly/outerharbor. Participants will receive a confirmation email with information about joining the meeting.

An Introduction to Forests, Carbon Sequestration and Markets-12 to 1pm. Is for forest owners and land managers, offering an introduction to how forests store carbon, carbon markets, and opportunities in Pennsylvania. Register.

Thursday, April 22

Virtual Program: Sustainability Lunch Talks-Noon. As Earth Day approaches, are you looking for ways to live more sustainably? Want to cut back on your use of fossil fuels? Join these lunchtime sessions to help you get started. You can register for one or all of the sessions. Pre-registration required; register online at www.reinsteinwoods.org/events

Insect Apocalypse? What Is Really Happening, Why It Matters and How We Can All Be a Vital Part of the Solution-1:00 PM - 2:30 PM EST, Webinar. With well over one million known species, insects and other invertebrates eclipse all other forms of life on Earth. They truly are the "little things that run the world." Though they are indisputably the most important creatures on earth, invertebrates are in trouble. If we hope to stem the losses of insect diversity and the services they provide, society must take steps at all levels to protect, restore and enhance native plant habitat across landscapes, from wildlands to farmlands to urban cores. Join Xerces Executive Director, Scott Hoffman Black, as he explains the latest science on insect declines and how everyone can incorporate invertebrate conservation into their lives. This webinar will be recorded and available on our YouTube channel. Closed Captioning will be available during this webinar. Click here for more information and to register.

Conducting a pH Soil Test / Planning for Pollinators- 10am, Cornell Cooperative Extension of Cattaraugus County continues its virtual Gardening Workshop Series, featuring presentations focused on home gardening, and resources from the Cornell Garden Based Learning Library and Master Gardener Volunteer program. The workshops are hosted and presented by Cornell Cooperative Extension staff, regional Master Gardener Volunteers, and other local gardening experts. Each session focuses on one or two gardening topics, with time allotted to questions and answers. If you are interested in these topics as a beginner or experienced home gardener, we encourage you attend any of these free educational sessions via Zoom presentation
Registration link

GObike's Mobile Bike Repair-5 to 7pm at the Lexington Co-Op (Hertel Location) for mobile repair!
We understand that for many, biking is your only form of transportation, and getting your bike to a repair shop may be difficult! Through our mobile repair services, GObike brings our bicycle repair shop to your neighborhood to provide basic maintenance or repair services. Just bring yourself and your bicycle. Staff and volunteers will be on hand with tools to pump up your flat tire, fix that sticky chain, and adjust your brakes. Participants under 14, please bring an adult. GObike also gratefully accepts bicycle and bicycle part donations at our mobile repair events. Bike donations are upcycled back into the community through our community workshop and youth recycle-a-bicycle program and help provide financial support for our community workshop and programming.

Earth Day Exploration of the Climate Leadership and Community Protection Act-6 to 7pm. How does it affect you, how does our work support CLCPA, and how can you get involved? Join the meetings here. Workshop details can be found at https://www.facebook.com/PUSHGreenWNY

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Create a Backyard Habitat- noon to 1 p.m. by the Master Gardeners of Genesee County. Celebrate Earth Day by creating a backyard or front yard habitat. Natural habitat in this country is disappearing at a rapid rate. You can create the right conditions in your yard to encourage a host of birds, butterflies, pollinators and others to call it home. The talk will cover the basic requirements to create your very own living landscape. Register in advance here. After registering, you will receive a confirmation email containing information about joining the meeting.

Take-it, Make-it Workshop -will be held by Buffalo and Erie County Botanical Gardens from 6:30-7:30 p.m. Make your own miniature garden during this online workshop. The participants will be using materials to make the perfect hideaway for fairies, gnomes or whatever you desire. Containers, soil, plants and some building supplies are included. Mini-garden builders are also encouraged to collect fun nature items they may wish to build with prior to the workshop. Sticks, bark, pinecones, and acorns are great to use, but please collect only from the ground where you allowed to. This workshop is perfect for kids and families. Fast, easy and safe pickup for materials will occur from 4:30-5:30pm the day of class. In order to maintain the safest environment possible, class will be offered via Zoom Meeting, a free online audio-visual platform. The cost is $25 for the public and $22.50 for members. Space is limited. Buy tickets here.

Purchasing Power: How Government Can Lead the Way to a Low-Carbon Economy-1:15 to 2:45 PM EDT Register and get the recording link. Through sheer volume, governments have the power to radically expand the market for climate-friendly purchases, shift supply chain decisions, and shape consumer markets for a low carbon economy.

Global Sea Level Rise And Our Changing Coastal Future- 1:00PM EST - **Register Now**
The world's oceans link continents, cultures, and people across the planet. They provide access to fish, transportation, and trade, while also serving as home for wildlife, biodiversity, and cultural heritage. And yet, coasts across the world are changing as global climate change causes sea levels rise, impacting shorelines and the nearly 3 billion people who live near them.

Friday, April 23

Recover from Earth Day and connect with nature on your own

Saturday, April 24

Online Horticulture Classes - 11am-1pm, General Public - $25 per class or $125 per series, Members - $22.50 per class or $112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class.
https://www.buffalogardens.com/collections/classes-and-workshops/products/horticulture-classes

Eagle Watch-1 to 4pm. Ringneck Overlook, Iroquois National Wildlife Refuge, 11412 Oak Orchard Ridge Rd, Medina, NY 14103. https://www.facebook.com/events/3824482520961434

Phenology Walk-10am. Visit 10 locations at Reinstein Woods to see how spring is progressing in the Woods. Look for frog eggs and learn to identify spring wildflowers along the way. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Boating Safety Certification-8am to 5pm at DeVeaux Woods State Park. Course certifies individuals in Boaters' Safety, a requirement for anyone who operates a motorboat. 8-hour course followed by an examination. Ages 10+ eligible for certification. ***For information and registration call (716) 282-5154.***

Spring Ephemeral Wildflower Walk-10am to noon at Knox Farm State Park. Enjoy the sudden burst of color that carpets the forest floor before the new leaves of summer take hold. ***For information and registration call (716) 549-1050.***

Springtime Bluebird Walk-1 to 3pm at Knox Farm State Park. With over 400 acres of grassland, Knox Farm is home to an incredible number of nesting Bluebirds. Join us as we monitor newly installed nest boxes and enjoy our state bird. ***For information and registration call (716) 549-1050.***

Grand Island Owl Prowl-8 to 9pm. Join us for a Nocturnal Owl Prowl at Buckhorn Island State Park! We'll be looking for the Eastern Screech-owls that live along Woods Creek. We'll keep our ears open for other nocturnal birds like Woodcocks too! Meet at Woods Creek Kayak Launch. Donations gratefully accepted. **Click here** to register.

Niagara Frontier Botanical Society Field Trip- 10:00 a.m. John B. Austin Nature Park, Lockport
Date dependent on the arrival of spring. Two NFBS member went there last year and found abundant spring wildflowers. Directions: Route 78 (Transit Rd.) to north edge of Lockport, turn right (east) on Slayton Settlement Road. Parking lot is on right and is well marked. Leader: J. Schlegel, 835-6042.

Field Trip - Braddock Bay Hawkwatch-Braddock Bay State Park, 199 E Manitou Road, Rochester, NY 14612 (map). Meet at 9:30 AM in the parking lot at Braddock Bay State Park, 199 E Manitou Road, 14468. David Gordon (dgordonphoto@yahoo.com; (716) 390-1429) leads this trip. Weather permitting, we will indulge in the spectacle of spring hawk migration from the hawkwatch platform. The bay should also have good numbers of waterfowl and the nearby woods may hold new arrival passerines. If owls are present, a short trip to Owl Woods will also enliven the day! This is a full day trip so bring drinks, lunch, snacks, sunscreen and a chair (for hawk watching). Bathrooms are likely available at the park. Be aware that a lake breeze can develop this time of year which is a cool/cold breeze out of the north compliments of Lake Ontario. Dress appropriately.

TEDXISSP: A Countdown Event-11am. We know that the power of an idea is multiplied exponentially when we talk about it. That is why ISSP is teaming with TEDx during Earth Month to deliver a COUNTDOWN event. Across three sessions—Urgency, Transformation, and Action—we'll hear from some of the most prominent climate leaders in a series of short TED videos, followed by a live discussion with luminaries in the sustainability profession who will lead facilitated small-group discussions on how we can turn inspiration into action. Register.

Sunday, April 25

Explore the New Gorgeview Trail-10am to 1pm at Whirlpool State Park. Here's your chance to explore the new rim trail along the Niagara Gorge. Great views await you on this spring day! *For information and registration call (716) 282-5154.*

Fun Facts with Kelly: Hidden Pond Edition-2 to 4pm at Joseph Davis State Park. Venture through a maze of trails to discover what lies within! Find hidden gems in the park, teeming with wetland wildlife. *For information and registration call (716) 282-5154.*

Field Trip: Montezuma NWR- 3395 US-20, Seneca Falls, NY 13148 (map). Leader is Christopher Bertola; chris.bertola10@gmail.com. This trip is new to the Buffalo Ornithological Society field trip menu, and what a great addition it is! The Montezuma National Wildlife Refuge complex is a massive wetland that occupies 15 square miles at the north end of Cayuga Lake. Please join Christopher Bertola as we explore this unique hotspot and work on building your Seneca County life list. This vast area is a critical stopover site for many migrants and at this time of year, we will be looking for various waterfowl, including rarities like Eurasian Wigeon and Ross's Goose, and early arriving shorebirds such as Pectoral Sandpipers and Dunlin. Most of this trip will take place along the Wildlife Drive with frequent stops to scan flocks of ducks. Bring your scope if you have one! Marsh Wrens should be singing from the cattails as Black Terns bound across the open waterways in search of insects and minnows. If any rarities have been found recently, we will try for those as well. With 267 species recorded along the drivable berm alone, something stand-out is bound to await us! This trip is anticipated to wrap up around 1pm. Plan to bring a lunch/snacks and beverages. Bathrooms are available at the visitor center.

Monday, April 26

Full Moon Walk -8pm. Listen for frog calls and search for active beavers in this spring full moon adventure. Reinstein Woods Nature Preserve, Depew. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Tuesday, April 27

Gardening Class: Urban Foraging with Jody Allsbrook - 2pm. In person. Sponsored by Grassroots Gardens and Urban Roots. Space is limited and registration necessary here . While the workshops are free to all, this year we are suggesting a $5 donation to our partners at the Northeast Farmers of Color Land Trust with the goal of supporting their efforts towards equity in local food systems. You can donate at https://nefoclandtrust.org/reciprocity

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at winter-2021-schedule/. Web link for all IMAGINE programs. https://us02web.zoom.us/j/85839766406, most Tuesdays.

Sierra Club Niagara Meeting-7 to 9pm via zoom. If you are interested in joining us please send us an email at niagarasierra@gmail.com. All meetings are open to the public.

Great Lakes Regional Sediment Management Webinar: Agricultural Nonpoint Source Runoff-2pm. This webinar series is being hosted by the Great Lakes Regional Sediment Management Team, a collaboration of agencies including the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency Great Lakes National Program Office, the U.S. Geological Survey, the U.S. Department of Agriculture – Natural Resource Conservation Service and the Great Lakes Commission. For more information and to register, go to: https://greatlakesrsm.net/events/2021-great-lakes-regional-sediment-management-workshop/

Utility Scale Solar and Siting Considerations: Stormwater, Vegetation, Fencing, and Ag Use- 12 to 1pm free webinar that will focus on key siting issues associated with utility scale solar development. The presentation will look at how stormwater is managed at a large solar facility and include a discussion on impervious surfaces, control structures, and protection of environmentally sensitive areas. A virtual tour of several recently installed solar facilities in Pennsylvania and New York to give a first-hand view of the technology. To register, visit here.

Wednesday, April 28

Wild Wednesday-1pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

One Region Forward Learning Series -10am to noon**.** Learn how land banks can return distressed, vacant, abandoned, and tax-delinquent properties to productive use and convert them into assets for your community! Register.

Fiddlehead Frolic- 10am to noon at Knox Farm State Park. A walk through the woods to discover the unfurled fronds of a fern, otherwise known as fiddleheads! *For information and registration call (716) 549-1050.*

Invasive Species Tiers: A Data Driven Approach to Prioritization for NY and PRISMs-11am. Dylan Finley, master's candidate at SUNY ESF-NYNHP is presenter. Info.

What in the Woods is That?- 1 to 3pm at Knox Farm State Park. Delve into the world of the unknown, the world of lichens, mushrooms, mosses and galls! *For information and registration call (716) 549-1050.*

Sustainable Timber Harvesting-8am to 12:15pm. Webinar is designed to strengthen participants' understanding of sustainable forest management. It will provide attendees with the necessary knowledge and tools to assess whether a proposed timber harvest will sustain desired forest conditions for future generations. $10. Register.

Going Underground: Unearthing the Role of Soil Organisms in Plant Health-12:00-1:00pm EDT There are an estimated nonillion (1030) microbes on the planet and these organisms play a critical role in plant health. This presentation will take you belowground to explore the microorganisms beneath our feet and the role they play in the nutrient cycles critical to plant growth and ecosystem sustainability. How global change is altering the Earth's microbiome will also be discussed. Read more and register

Let's Talk Birds: Personal Experiences with the NYS Breeding Bird Atlas-7pm via Zoom. For the link, email tleenders@rtpi.org

West Valley Citizen Task Force meeting-details at http://westvalleyctf.org/meeting-information/

An Introduction to Forests, Carbon Sequestration and Markets-12 to 1pm. Is for forest owners and land managers, offering an introduction to how forests store carbon, carbon markets, and opportunities in Pennsylvania. Register.

Thursday, April 29

Gardening Class: Composting 102 with Shasti Balasundaram and Lauren Dawes - 2pm. In person. Sponsored by Grassroots Gardens and Urban Roots. Space is limited and registration necessary here. While the workshops are free to all, this year we are suggesting a $5 donation to our partners at the Northeast Farmers of Color Land Trust with the goal of supporting their efforts towards equity in local food systems. You can donate at https://nefoclandtrust.org/reciprocity

Virtual Program: Sustainability Lunch Talks-Noon. As Earth Day approaches, are you looking for ways to live more sustainably? Want to cut back on your use of fossil fuels? Join these lunchtime sessions to help you get started. You can register for one or all of the sessions. Pre-registration required; register online at www.reinsteinwoods.org/events

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. Register

Bonsai Demonstration- Buffalo & Erie County Botanical Gardens. register. 6:30-7:30pm online, $10 for the public and $9 for members

Reduce & Reuse: Innovations in Market-Based Solutions-2 to 3pm EDT. Innovative businesses are bringing innovative products and service that either reduce or reuse materials that might have gone into the waste or recycling streams. We are seeing these innovative efforts come from both start-up ventures in communities as well as from larger companies seeking to create new lines of business and meet growing consumer interests. In the webinar, we'll be discussing: • Case studies of business that can be replicated at the community-level, creating local wealth and good jobs • Potential impact that all reduce and reuse business might have in attaining zero-waste goals in cities, towns and rural communities. • State, Federal and local supports that promote investments in and sustainability of reduce and reuse business. Register.

Friday, April 30

Name that Tree-7pm. What better way to celebrate Arbor Day than by taking a hike in the woods and identifying common trees? Join us to discover the tricks to tree identification and to learn fun tree facts along the way. Reinstein Woods Nature Preserve, Depew. Pre-registration required; call 716-683-5959.

Arbor Day Tree Tours- RESERVATIONS REQUIRED, 10am and 12:30pm, Free with reservation
Celebrate Arbor Day by visiting some of the trees in our outdoor collections while learning the basics of tree identification. Wear comfortable shoes/boots you do not mind getting muddy. Walk takes place rain or shine. Reservations must be made ahead of time online. Each time slot is limited to 10 participants. Face masks are required for participants over 2 years old. Reserve 10am. Reserve 12:30pm.

A Dose of Nature: Old Growth Forest Walk-10am to 11:30am at DeVeaux Woods State Park. Escape the stress of life and improve your physical activity, energy levels, and mood, while reconnecting with nature. Join us for a walk through the woods. *For information and registration call (716) 282-5154.*

National Arbor Day Tree Planting-noon. Mayor Brown will help plant a tree at 68 Court St. Buffalo.

Saturday, May 1

Earth Day in May / I Love My Park Day-Keep the Earth Day spirit alive by caring for Reinstein Woods' trails on I Love My Park Day. Small groups will venture out to work on projects throughout the day. Scouts and other organizations are welcome, but please note that large groups will be split into multiple parties that may have different start times. Masks and social distancing are required. Online registration will open in late March; check www.reinsteinwoods.org/events for more details.

10th Annual I Love My Park Day!- Visit Parks & Trails New York website: www.ptny.org/ilovemypark for up-to-date information, or follow Niagara Region Park Programs Office on Facebook.

Ornithological Field Trip - Tifft Nature Preserve, 1200 Fuhrmann Boulevard, Buffalo, NY 14203 (map) Meet at 7:30am on the bridge just past the Visitor Center. Leader: Seaghan Coleman (716-435-7753 or seaghanc@gmail.com). This trip will focus on newly arrived neotropical migrants as well as lingering waterfowl and sparrows. Tifft holds the distinctive honor of having the highest number of species recorded on premises in our region - over 250! The list of highlights is long and includes Kentucky, Connecticut and Yellow-throated Warblers, Summer Tanager, Sedge Wren, Barn Owl, Yellow-crowned Night-Heron and so much more. We will hike the trails in search of early-arriving warblers, thrushes and other long-distance migrants as well as look over the marsh for rails and bitterns. If we are lucky, we may see late migrant raptors. This will be an easy walk over level ground and boardwalks, possibly muddy trails. The trip will span the morning hours so make sure to bring snacks and something to drink.

Spring Into Nature: Sing, Fly, Soar, Like a Bird!-9am to noon at Iroquois National Wildlife Refuge. www.eventbrite.com/e/spring-into-nature-sing-fly-soar-like-a-bird-registration-144667052047 Join us for a pared-down and pandemic-friendly version of our annual spring festival. Visitors will get to participate in a variety of nature-related activities. There will be activities for all ages, including sunflower seed feeder construction, track casting, a guided hike, pollinator planting, fisheries discoveries, origami, sun art projects, feather ID, and archery and fishing games. You must register to participate. There are two sessions, morning and afternoon. Each session will be broken into groups of 10 and each group will cycle through all activities. Social distancing will be maintained throughout. Masks are required when in buildings or when social distancing cannot be maintained. Parking and all activities are free! There are limited tickets

Volunteers for North Tonawanda Botanical Garden Workday- North Tonawanda Botanical Garden, 1825 Sweeney St., North Tonawanda. 9 a.m. to noon (unless there are thunderstorms). For more information, contact (716) 692-0237 or ntbgo@hotmail.com.

Wild Earth-11am to 4pm at Hawk Creek Wildlife Center, 1963 Mill Rd., West Falls, NY 14170. Hawk Creek is THE place to experience the WILD! Refreshments, gift shop, flying bird show, wild cat chat and activities for all ages. Event parking is FREE and tickets are $15 for adults, $13 for veterans and seniors, $9 for children, and $35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or online. Please visit www.hawkcreek.org for info and directions. Event is rain or shine.

Sunday, May 2

Birding with the B.O.S.-8 to 10am on Evangola State Park. Join the NYS Parks and the Buffalo Ornithological Society for a fun morning of birding! This is a great chance for beginning birders to learn the hobby! *For information and registration call (716) 549-1050.*

Flowers n' Ferns-12:30 to 2pm at Evangola State Park. Spring flowers are blooming, and ferns are unfurling, a hallmark of the season. Come enjoy this spectacular event which lasts for only a few short weeks. *For information and registration call (716) 549-1050.*

Ornithological Field Trip: Evangola SP for Migrants-10191 Old Lake Shore Road, Brant, NY (map). Meet at 8:00 am in the parking lot at the Bathhouse (the big brick building in front of the swimming beach). Leader - Matthew Nusstein (Matthew.Nusstein@parks.ny.gov; 716-446-3376). Join Matt, the park naturalist, for a 2-hour hike for newly arrived migrants. Sited along the Lake Erie Shore, Evangola State Park boasts an eBird checklist of 146 species of birds and has hosted such rarities as White Ibis, Wood Stork and Yellow-throated Warbler! Local breeding birds include Eastern Bluebird and Red-headed Woodpecker.

Wild Earth-11am to 4pm at Hawk Creek Wildlife Center, 1963 Mill Rd., West Falls, NY 14170. Hawk Creek is THE place to experience the WILD! Refreshments, gift shop, flying bird show, wild cat chat and activities for all ages. Event parking is FREE and tickets are $15 for adults, $13 for veterans and seniors, $9 for children, and $35 for a family pass of up to 2 adults and 3 children (5-12 yrs). Children 4 and under are FREE. Tickets can be purchased at the gate or online. Please visit www.hawkcreek.org for info and directions. Event is rain or shine.

Virtual Gardening 101-10 to 11:30am. Love the idea of growing your own fruits and veggies to eat and preserve, but don't know how to get started? A green thumb and acres of land aren't necessary to make that experience a reality. Patio pots and hanging baskets, raised beds, or in-ground gardens can all bring you a bountiful harvest, it just takes a little planning. Join RIT professor Sandi Connelly to discuss the space you have available to garden in, how you can maximize that space, and how the results can put canned goods on your shelves for the winter. This class will take place online through Zoom. All registrants will be sent a meeting link the night before the event. The fee is a $15 general admission and $12 for museum members. Register here.

Civic Engagement and Activism:

****This section will share ways to engage and follow policy at the federal and state level. Voting is wonderful, but civic engagement requires us to share our views and desires with our elected officials.**

April 7 State Level Lobby Training for Climate and Community Investment Act- 7:00pm – 8:30pm. Join this lobby training for People-of-Faith in preparation for the Climate and Community Investment Act, the CCIA. The state senate bill S4264A was presented in committee last week and we have a lot of work to do. We will be called on to lobby our senators and assembly-people. RSVP Here

April 9 Federal Level Action on Climate Change-6:30pm – 8:00pm. Join Senate Majority Leader Chuck Schumer (D-NY) and other elected officials on how they plan to fight for climate, jobs and justice in our communities. Questions can be submitted when you RSVP. RSVP Here

Contact elected representatives today! You don't have to be an energy or climate expert to make a difference. Get their contact info. Then weigh in on the below! For sample emails to send to policy makers, check out Step 1 at https://www.aashe.org/Climate-Solutions/. Sign up for up to date policy alerts here.

1. **Reinvigorated efforts for a Federal Green Bank:** US House and Senate members reintroduced a measure to create a clean energy and sustainability accelerator to fund sustainability projects over the long term. The proposed legislation is currently in committee for review. Call and email your federal representatives to share your views on this effort that will facilitate loans and investment for access to green energy to meet necessary decarbonization goals.
2. **Heads up for action by Biden and the Congress:** President Biden is unveiling a $2 trillion infrastructure plan centered on fixing roads and bridges, expanding broadband internet access and boosting funding for research and development, while proposing an expansive increase in corporate taxes to pay for the package. Watch for upcoming infrastructure bills in Congress. The bill(s) will include items related to the energy transition. Check out the Biden Plan for Climate Change. Contact your federal senators and representatives to share your views.
3. **State energy efficiency -** Check out ACEEE's state energy efficiency scorecard. NY is # 5. Contact your state legislators and governor to let them know you support their efforts to make our state more energy efficient for a healthier environment and economy.
4. **On a Campus?** Universities and colleges must be ambitious when it comes to tackling the climate crisis. One of the most important steps is to commit to the Global Climate Letter – find out more here.
5. **Change the Chamber: Lobby for Climate -** Check out the @ChangeUSChamber campaign to hold corporations and the US Chamber accountable to stop obstructing climate solutions and actively lobby for science-based climate legislation – find out more here.
6. **Current NY Environmental Legislation**- A listing of legislation with a summary and status is available at https://eany.org/our-work/bill-memos/ . Educate yourself and reach out to get support for the issues important to you.

Tips for the Environment:

Make the most of your almost empty condiment jars- Use a jam jar to infuse some booze or a sauce (add the liquid to the jar and shake), make an easy peanut sauce (add lime juice, soy sauce and others to a peanut butter jar to combine with the residue), combine seasonings and vinegar with remnants of a mayonnaise jar for a salad dressing or dip, add vinegar or similar to a honey jar to eke out the sweetness. For other ideas, check here.

Extend the life of your cell phone and reduce e-waste- The average cell phone lasts under 2 years. Hanging onto the same phone is beneficial for numerous reasons, and it is certainly more sustainable. To keep your running well-remove unneeded apps and files to free up storage and boost speed storing your videos and photos elsewhere. Power down periodically which helps clear the RAM and shut down open apps. Get a tempered glass screen protector and a protective case. You need to find a compatible one that fits your phone and that you can live with, yet is effective. Pick a cell phone model with a high repairability score. Replace the battery if needed. The iFixit website has a repair guide for phones, with specific information depending on the model. Resist pressure to upgrade your phone and don't be sway by phone company promotions and payment plans if you don't need a new phone.

Ongoing Volunteer Opportunities Available

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

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

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

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

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

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

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

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

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

Buffalo Niagara Waterkeeper- https://bnwaterkeeper.org/programs/volunteer/ for opportunities.

Buffalo Olmsted Parks Conservancy will assign volunteers to specific clean up and planting projects throughout the summer. Learn more at bfloparks.org/volunteer

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@excaliburls.org or visit http://excaliburls.org

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

Global Justice Ecology Project- volunteers needed for mailing and office support. https://globaljusticeecology.org/

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.

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.

Slow Roll Buffalo- our volunteer squad serves in a wide variety of roles on Mondays and beyond, from planning routes and keeping the rides smooth to many forms of community outreach. Our big biking family is ever-growing - if you're looking for a fun and fulfilling way to get involved in our community on wheels, submit an application!

Tifft Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. 716-825-6397 and tifftreservations@sciencebuff.org.

Western NY Land Conservancy- trail clearing, mailings, technical research and citizen scientist projects.
https://www.wnylc.org/
Additional calendars with local events-
http://www.citybration.com
http://www.buffalospree.com
http://www.metrowny.com/events.php
http://www.buffalo.edu/calendar
Re-Energize Buffalo Blog- http://renewnrg.blogspot.com/
http://buffalorising.com
http://rochesterenvironment.com/calendar.htm
https://boredommd.com/

Wildlife Rehabilitator Search- https://www.dec.ny.gov/cfmx/extapps/sls_searches/index.cfm?p=live_rehab
B-WELL Videos-https://cityofbuffalo.viebit.com/index.php?folder=Be+Well+Buffalo

Additional local blogs and websites-
Birds on the Niagara- http://www.birdsontheniagarafrontier.org/
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/
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/
Nourishing Harvest- https://www.patreon.com/anourishingharvest
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
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
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- http://peaceweavers.org/
Eco-Island Nature Center- https://www.grandislandschools.org/domain/49

NY Sport Fishing- http://www.fishny.com/
Erie Canal Trailway- www.ptny.org/bikecanal
Rochester Roots-http://www.rochesterroots.org/
New York Times Green Energy & Environment-http://green.blogs.nytimes.com/
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
Citizen Science Opportunities- listing

County/New York State Resources
Erie County GIS Mapping- http://gis2.erie.gov/HTML5/ErieCountyNY/
Geographic Information Gateway http://opdgig.dos.ny.gov/#/home

Green Jobs, Internships and Opportunities
Green Jobs- http://www.greatgreencareers.com
UB Green Job list- http://www.ub-careers.buffalo.edu/green.php
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs
Additional jobs-https://www2.erie.gov/index.php?q=job-openings-community

Youth Summer/Holiday Camps/Home School Series
www.aquariumofniagara.org
www.buffaloaudubon.org
www.buffalogardens.com
www.buffscience.org
www.tifft.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

Grant Opportunities/Tools
https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers
http://assembly.state.ny.us/gan/
www.grantstation.com
www.grantwatch.com
www.grantsalert.com
https://attra.ncat.org/index.php
https://grantsreform.ny.gov/

Find your farmer https://www.facebook.com/groups/893902477748081/
Urban Farms/ Composting/Rural Community-Supported Agriculture/Sustainable Practices-
Backyard Bounty-podcasts on homesteading, beekeeping etc. https://heritageacresmarket.com/backyard-bounty-podcast/
Becker Farms- http://www.beckerfarms.com/csa
Brewster Street Farm- https://www.jersbuffalo.org/brewster-street-farm
Buffalo Organics/Foodscaping Project-http://www.buffalofoodscaping.com/
Canticle Farms-http://www.canticlefarm.org
Common Roots Urban Farm- https://www.facebook.com/CommonRootsUrbanFarm/
Cool Greens Vertical Farm- https://www.facebook.com/Cool-Greens-Vertical-Farms-2261876070712461/
Crown Hill Farms-https://www.crownhillfarm.com/
Dirt Rich Farm- http://www.localharvest.org/dirt-rich-farm-M66269
Eastern Monarch Butterfly Farm- https://www.facebook.com/EasternMonarchButterflyFarm
Falkimmer Farms- https://www.facebook.com/FalkimmerFarms/
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.firstlightfarmer.com/
Five Loaves Farm- https://5loavesfarm.org/
Fleckenstein Farms-https://www.fleckensteinfarms.com/
Free Fallen Fruit Rescue-https://www.facebook.com/freefallenfruitrescue
Fresh Fix -https://www.freshfix.com/
Goodman Farms- https://goodmanfarms.net/
Gormley Farms- https://www.facebook.com/gormleyfarms
Greater Buffalo Urban Growers-https://www.facebook.com/greaterbuffalourbangrowers/
Green Heron Growers- http://www.greenherongrowers.com/
Gregs U-Pick- http://gregsupick.com/
Groundwork Market Garden- http://www.groundworkmg.com
Happy Shacks Oils-free seed library https://happyshackoils.com/
Healthy Living Farm- https://www.healthylivingfarm.com
Kindred Kreek Farms- https://www.kindredkreek.com/
Kubed Root-http://www.kubedroot.com/
Little Bear Farm- http://www.littlebearfarm.harvesthand.com/
Little Woods Farm-https://www.littlewoodsfarmalden.com/
McCollum Orchards- http://mccollumorchards.com/
Michigan Riley Farm- http://michiganrileyfarm.wordpress.com/
Native Offerings- http://nativeofferings.com/
Niagara Malt- www.niagaramalt.com
Plato Dale Farm- https://platodalefarm.com/
Porter Farms- http://www.porterfarms.org/
Produce Peddlers-https://producepeddlers.com/
The Promised Land- http://promisedlandcsa.com/
Providence Creek Farm- http://www.providencecreekfarm.com/
Roots & Wings Family Farm- https://www.facebook.com/rootsandwingsfarm/
Root Down- www.therootdownfarm.com
Rust Belt Harvest- http://rustbeltharvest.org/
Sinemus Farms- http://www.sinemusfarms.com/
Singer Farms Naturals-www.singerfarmnaturals.com
Teacup Farm- http://www.teacupfarm.com/
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
Utley Acres- http://utleyacres.com/
Westside Tilth Farm- http://westsidetilth.com/
Wilson Street Urban Farm- http://wilsonstreeturbanfarm.wordpress.com/
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-http://www.localharvest.org/
Local Meats- http://meatsuite.com/
NY State Fruit and Vegetable Harvest Calendar- https://www.agriculture.ny.gov/HarvestCalendar.html
WNY Food Hub for Farmers-https://www.edenvalleygrowers.com/wny-foodhub

Local Businesses with Classes and Workshops
Badding Brothers-https://baddingbrosfarm.com/index.html
Happy Shack Oils and More-http://happyshackoils.com/
Lockwood's Greenhouses-https://weknowplants.com/
Masterson's Nursery-https://mastersons.net/
Sweet Flag Herbs-http://sweetflagherbs.com/
http://growitsaveituseit.com/

Local Tourism promoting Sustainability
Buffalo Bites Food Tours- http://www.buffalobitesfoodtours.com/
Buffalo Tours- http://www.preservationbuffaloniagara.org/buffalo-tours/
Niagara Wine Trail - http://www.niagarawinetrail.org/

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

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot
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
Cars- http://www.donateacar.com/
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill, Hearts for the Homeless -to see what is accepted https://www.nysar3.org/page/re-clothe-ny-78.html
Clothing, formal/business- www.donatemyweddingdress.org/, 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/, https://www.decluttr.com
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking drop-offs
Construction Materials-Buffalo ReUse, Habitat for Humanity Restore
Drug disposal best practices and sites- http://www.dec.ny.gov/chemical/45083.html, http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz
Electronics- www.greenergadgets.org/recycling-responsibly.html, 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)
Furniture-Goodwill, Salvation Army, Amvets and other charities
Gift cards and customer loyalty cards- http://www.earthworkssystem.com/consumers.html
Green Cleaning programs in the workplace-https://greencleaning.ny.gov/Entry.asp
Greeting Cards- http://www.stjudesranch.org/shop/recycled-card-program/
Hazardous Household materials- http://www.hazmanusa.com/
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- http://triadrecycle.com/mattress/ Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pharmaceuticals-dropoff sites at map
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448
Recycling A to Z - realsimple
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- http://www.rebounces.com/recycle/
Toys, plastic- http://dmpgreen.com/mail_in.html
Uses and reuses for many items- http://www.world.org/weo/recycle
Water filters-Brita partners with preserveproducts.com/recycling
Wetsuits- https://www.sugamats.com/recycling/, https://www.greengurugear.com/pages/recycling-to-upcycle-program

Eco-volunteering with Travel:

http://www.planetfriendly.net/learn.html
http://www.globalteer.org

http://www.ecovolunteer.org/
http://www.goeco.org/
http://www.wwoof.org/
http://www.americanhiking.org/

Education Courses, Resources 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
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

On Demand Webinars:
Extended Producer Responsibility (other videos on same youtube channel).
Plan-It GEO
https://www.ceres.org/events/ceres-climate-week-nyc-2020- CERES from NYC program in Climate Week
EarthEcho Youtube channel Water Challenge playlist.
STEMExplore Virtual Career Connections Virtual Events page

Miscellaneous tools including videos and websites:
Green America's guide to Socially Responsible Investing- http://pubs.greenamerica.org/i/116105
Buffalo Relocation and Self-Promotion http://www.wherelifeworks.com/
Change Food Library http://www.changefood.org/changefoodlibrary/
USDA Tool Kit for Local Food toolkit
Better Than Ed-Video series with Actor Ed Begley encouraging environmentally-friendly practices.
EJSCREEN is an environmental justice mapping and screening tool.
Local Foods, Local Places Toolkit to help communities develop their own plans for setting and achieving local food and revitalization goals.
Archived EPA Climate Change Info.
www.epa.gov/climate-indicators.
Guide to help schools reduce food waste
Tool for Sourcing Local Meat
Click here to watch the Know Your Food videos.
iMATTER Youth Movement to Spark Change
Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement
EWG's Guide to Healthy Cleaning.
EWG's Tap Water Database.
http://www.nebeginningfarmers.org/online-courses/ -beginning farmer online training through Cornell.
2018 Fuel Economy Guide
Climate Hubs provides information for managing risks posed by a changing climate.
NOAA National Marine Sanctuary Webinar series
NOAA One Science Seminar Series
Green Restaurant sustainability tool
Mapping Climate Change.

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

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/
Allegany Nature Pilgrimage	http://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 State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	https://animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Birds on the Niagara	http://www.birdsontheniagara.org/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloaudubon.org
Buffalo Blueway	https://buffaloblueway.com/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com

Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	https://www.buffaloinbloom.com/
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Heritage Village	http://bnhv.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	https://buffalo-orienteering.org/
Buffalo Ornithological Society	https://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Buffalo Women of Env. Learning/Leadership (BWell)	https://www.bwell.community/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizens for Regional Transit	www.citizenstransit.org/
Clarence Bluebird Trail	https://lambluebirdtrail.org/

Clean Air Coalition of Western New York	https://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.coalitionpositive.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cooperation Buffalo	https://www.cooperationbuffalo.org/
Cornell Cooperative Extension for Cattaraugus County	http://cattaraugus.cce.cornell.edu/
Cornell Cooperative Extension for Chautauqua County	http://chautauqua.cce.cornell.edu
Cornell Cooperative Extension for Erie County	http://erie.cce.cornell.edu/
Cornell Cooperative Extension for Niagara County	http://cceniagaracounty.org/
Daemen College Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Drave's Arboretum	https://www.facebook.com/dravesarboretum/
Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Advocates NY	www.eany.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	https://esd.ny.gov/erie-canal-harbor-development-corporation-0
Erie County Climate Action & Sustainability	http://www2.erie.gov/environment/sustainability
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/
First Hand Learning	www.firsthandlearning.org
500 Women Scientists, Buffalo Chapter	https://500womenscientistsbuffalo.wordpress.com/
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.org
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	www.gardenclubsofwny.com
Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/
Go Buffalo Niagara	http://gobuffaloniagara.org
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/

Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Research Consortium	https://www.esf.edu/glrc/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	http://gwbuffalo.org/
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
Hawk Creek Wildlife Center	https://www.hawkcreek.org
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Inland Ocean Coalition-Buffalo Chapter	https://inlandoceancoalition.org/whoweare/chapters/buffalo/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://audubooncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
Lake Erie Watershed Protection Alliance	http://www.erie.gov/lewpa
Leadership Buffalo	https://www.leadershipbuffalo.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Let There Be Light International	www.lettherebelightinternational.org
Local Initiatives Support Corporation	https://www.lisc.org/wny/
Lyceum at Silo City	https://www.lyceumsilo.city/

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
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	https://nysacc.org/
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
New York State Sea Grant	http://www.seagrant.sunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York Upstate Chapter, Landscape Architects	https://www.nyuasla.org/
New York State Wetlands Forum	http://www.wetlandsforum.org/index.html
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 Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	Niagara Frontier Botanical Society
Niagara Outfitters	https://niagaraoutfitters.com/
Niagara River Anglers Association	www.facebook.com/Niagara-River-Anglers-1013633888708865/
Niagara River Greenway Commission	https://www.niagararivergreenway.com/
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Our Outer Harbor	http://www.ourouterharbor.org/
Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Pelion Garden	https://peliongarden.org
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
Pollinator Conservation Association	http://www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/

Primate Sanctuary	http://theprimatesanctuary.com
PUSH Blue	https://www.facebook.com/PUSHBlueWNY/
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	https://levesqueinstitute.niagara.edu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.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	https://www.facebook.com/South-Buffalo-Alive-174141769403626/
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/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/

Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21st Century Park on the Outer Harbor	https://www.facebook.com/21stCenturyParkOnTheOuterHarbor/
UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
Urban Land Institute	http://newyork.uli.org
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	https://voicebuffalo.org/
WASH Project	http://thewashproject.org/
Wellness Institute	https://creatinghealthycommunities.org/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Climate Action	http://www.wnyclimateaction.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.wnyea.org
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	https://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/

WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnysc.org/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
Western New York Service Learning Coalition	https://wnyservicelearningcoalition.org
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY Raptor Center	Wnyraptor.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
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/
Youth Climate Summit	http://www.wnyclimateaction.org/