

**TOTAL FOR 2016: \$3,869,131**

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 15)**

**TOTAL: \$355,273**

**AWARDS ANNOUNCED JANUARY 27, 2016**

**TRIBUTARY RESTORATION AND RESILIENCY**

<b>ORGANIZATION</b>	<b>COUNTY</b>	<b>AWARD</b>	<b>DESCRIPTION</b>
Village of New Paltz	Ulster	\$246,365	This project will improve intermittent stream flow and movement of fish and wildlife by replacing a deteriorated culvert system with adequately-sized drainage structures at a road and rail trail crossing adjacent to the Walkill River. The new system also will improve the flow of floodwater, and maintain habitat connections for eel and other Species of Greatest Conservation Need (SGCN) such as wood turtle.
Dutchess County Soil and Water Conservation District	Dutchess	\$96,408	Dutchess County Soil and Water will remove the twelve-foot Shapp Pond Dam on the East Branch Wappinger Creek, which will result in greater connectivity throughout the creek by removing a large impediment to fish passage, and will enable eels to migrate farther upstream.
City of Troy, New York	Rensselaer	\$12,500	The City of Troy will disassemble and remove a tide gate located on the Wynants Kill in close proximity to the Hudson River. The gate's removal will improve upstream access on this tributary for herring and American eel, and will also help reduce flooding problems.

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 16)**

**TOTAL: \$562,222**

**AWARDS ANNOUNCED MAY 2, 2016**

**LOCAL STEWARDSHIP PLANNING**

<b>ORGANIZATION</b>	<b>COUNTY</b>	<b>AWARD</b>	<b>DESCRIPTION</b>
Town of Pound Ridge	Westchester	\$24,501	The Town of Pound Ridge will update its natural resources inventory (NRI) to include an inventory of underground spill sites, a potential source of pollution, and a habitat study of the area of the town within the Hudson River Estuary. The project will include training, education and outreach activities.
Bard College	Dutchess	\$49,950	Bard College will conduct a study to assess the impacts of maintenance and/or repair, partial removal, or entire removal of the Lower Saw Kill dam. The dam is the closest artificial barrier located to the mouth of the Saw Kill Creek and is a known barrier to aquatic connectivity, including for American eel, a Species of Greatest Conservation Need (SGCN).
Village of Rhinebeck	Dutchess	\$12,750	A Vulnerability Assessment and Local Adaptation Plan will be developed for Rhinebeck's water system to identify adaptation actions the village could implement in the future to increase the resiliency of its water intake system and treatment plant. The intake system, access road, lift station, and plant will be components of the study.
Riverkeeper Inc	Westchester	\$50,000	Riverkeeper will coordinate the activities of the Walkill River Watershed Alliance in Orange and Ulster counties, and will partner with the Alliance to develop protocols and best practices for measurements of fecal indicator bacteria, nutrients and algae in the Hudson River watershed. The project will improve water quality monitoring and ensure consistency of data.
Town of Orangetown	Rockland	\$50,000	Engineering and design plans will be prepared to replace an inadequately-sized culvert at 400 NYS Route 303, Orangeburg, which carries the Sparkill Creek and drainage from Route 303 and surrounding areas. The engineering plans will include the removal of an abandoned and deteriorated pump station in the creek which blocks stream flow to mitigate flooding that occurs during heavy rain.
Town of Red Hook	Dutchess	\$12,750	The Town of Red Hook will analyze the Saw Kill watershed culvert data collected by Cornell University, NYS Water Resources Institute and DEC to develop a list of ten priority culverts for replacement for inclusion in the Town's capital planning efforts. Conceptual design and cost estimates for upgrading and/or replacing the culverts will also be developed. The plans to improve hydraulics and remove aquatic barriers in the watershed will benefit American eel and other aquatic organism connectivity.
City of Hudson	Columbia	\$20,000	The City of Hudson will produce a natural resources inventory and conservation plan (NRI) to guide land-use decisions. The NRI will be used to revise the existing zoning ordinance to help conserve green space, reduce storm water, promote green (nature-based) infrastructure strategies, protect open space and historic resources, and to develop vacant lots and brownfield areas.
Vassar College	Dutchess	\$50,000	Vassar College will develop a shovel-ready pilot project at the Vassar dairy barns to demonstrate green infrastructure practices to the college community and visitors. The plan will focus on the renovated dairy barn of the Environmental Cooperative, the road leading into the site, the parking lot adjacent to the barns and the site of the Poughkeepsie Farm Project.
Riverkeeper Inc	New York & Bronx	\$50,000	Riverkeeper will map the drainage area of Combined Sewer Overflows (CSOs) along the length of the Harlem River in Manhattan and the Bronx to improve stormwater management and water quality in the Harlem River watershed. Riverkeeper will also identify locations where green infrastructure can be used to capture stormwater, and will make policy recommendations to the New York City Department of Environmental Protection to improve green infrastructure implementation.
Village of New Paltz	Ulster	\$45,000	The Village of New Paltz will evaluate the suitability of green infrastructure at public spaces where there are water-related problems and/or where infrastructure improvements are planned. The project also includes education and outreach to municipal and community stakeholders.
Hudson Valley Arts and Science	Westchester	\$25,752	Hudson Valley Arts and Science will characterize and map the water quality, fish ecology, flow characteristics and barriers to migration along the entire length of the Sing Sing Kill, to locate sources of sewage and identify barriers to aquatic migration. The organization also will install a stream gauge and create public signage.
Pace University	Westchester	\$10,047	Pace University will work with Teatown Lake Reservation to create a baseline habitat assessment of the Pocantico watershed to inform future management decisions and evaluate project proposals by the Pocantico River Watershed Alliance, Pocantico River Watershed Conservancy, and local municipalities in the watershed.

**AWARDS ANNOUNCED MAY 2, 2016**

**LOCAL STEWARDSHIP PLANNING**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Hudson River Watershed Alliance	Orange & Ulster	\$38,952	The Hudson River Watershed Alliance will produce a demonstration water budget and flow-mapping of the Quassaick Creek Watershed that can be replicated by other watershed groups and municipalities throughout the Hudson River Watershed to help manage and protect streams and other water resources, monitor water availability, in-stream flow, and water usage over the long-term.
Schoharie County Planning Department	Schoharie	\$40,000	The County Planning Department will study approximately 6.75 miles of an unnamed tributary that flows to the Franklinton Vlaie and identify solutions to stream flow and habitat impairment that occurs primarily in a 1,200 foot section of the stream where it crosses Woods Road and outflows to the Franklinton Vlaie. The County will develop plans that include cost estimates and steps for improving overall stream health and mitigating barriers. The project will benefit Species of Greater Conservation Need (SGCN) including American Eel and heritage Brook Trout.
Pace University	Westchester	\$48,520	Pace University will develop an adaptive-management plan to prioritize culvert maintenance needs in the Pocantico watershed to improve drainage and decrease flooding during rain storms. A "how-to" guide for culvert assessment and prioritization will also be developed for use by other subwatersheds. This project may also help reconnect the American eel habitat in the Pocantico watershed, as well as provide benefit to trout and amphibian habitat.
Town of Hyde Park	Dutchess	\$17,000	The Town of Hyde Park will update its zoning code by refining the areas included within the Scenic and Historic Overlay districts that were established during a comprehensive planning process conducted in the 1990s. The Town will create a precise map of the regulated areas which will clarify the restrictions that apply in important viewsheds.
Village of Voorheesville	Albany	\$17,000	Village of Voorheesville will complete a hydrologic analysis of the Vly Creek Watershed to provide data that will help mitigate flooding and erosion of the stream bank. The Vly Creek supports trout spawning and American Eel migration.

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 17)**

**TOTAL: \$1,198,758**

**AWARDS ANNOUNCED MAY 2, 2016**

**RIVER ACCESS AND RIVER EDUCATION**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Hudson River Sloop Clearwater Inc	Multiple	\$32,557	Clearwater will create an interactive, responsive-design website of its Key to Common Hudson River Fishes that will augment the Key's content on the history, ecology and management of Hudson River fish. The website will include videos, maps, current research, natural history, status of fish species and health advisories.
Town of Marlborough	Ulster	\$40,000	The Town of Marlborough will complete an engineering study and plan to restore the larger southern pier at Milton Landing to operational use. A restored pier will provide deep-water mooring capabilities for larger craft and enhance opportunities for recreation, tourism, and education. The Milton Landing Committee will manage the project.
Yonkers Paddling & Rowing Club	Westchester	\$25,078	The Yonkers Paddling & Rowing Club will upgrade outdated equipment and purchase additional kayaks and paddles to increase the capacity of its free public kayaking and environmental awareness program located at the JFK Marina and Park in Northern Yonkers. The rowing and paddling club will also enhance its environmental education curriculum. The volunteer-run membership program serves youth and adults from the surrounding Environmental Justice areas.
Bard College	Dutchess	\$44,744	Bard College will conduct a feasibility study to develop a sustainable access plan for trail improvements to the Tivoli South Bay shoreline trail that will connect the Tivoli Bay Wildlife Management Area to Bard College trails. The project, if feasible, will improve public access to the Hudson River at Tivoli South Bay, create a direct connection to the south, and will include the repair of canoe and boat docks.
Seaport Museum New York	New York	\$53,153	The Seaport Museum will modify curriculum to provide access to materials for visually-impaired or blind students who participate in a marine ecology program. The Museum teaches principles of marine ecology to urban students in interactive classroom workshops as well as during sails aboard its educational vessel, the Pioneer. The Museum will also detail adaptations of approach and course content in a "Lessons Learned" document.
The River Project, Inc.	New York	\$46,792	The River Project will design, build, and install signage throughout The River Project's Wetlab to educate visitors about the ecosystem and involve them in stewardship and conservation of Harbor wildlife and the natural world. The new signage will be understandable to children and adults of all ages, simply explaining complicated scientific theories through images and graphs.
Orange County Water Authority	Orange	\$47,486	The Orange County Water Authority will lead the development of the Estuary Stewardship through Education (ESTE) project to educate residents of various ages about the estuary and its natural resources by designing and installing informational kiosks, offering kayak tours, and developing a website and social media applications. The project is a collaboration with Orange County Parks, the City of Newburgh, Village of Cornwall, Orange County Community College, Clearwater, Black Rock Forest Consortium and Storm King Adventure Tours.
Hudson River Park Trust	New York	\$100,000	Hudson River Park Trust will design and produce wheelchair-accessible educational signs that will be installed along the waterfront throughout the Park to explain estuary ecology and history to the public.
Waterfront Alliance, Inc.	Bronx & Kings	\$99,643	The Waterfront Alliance will develop designs for publicly-accessible boating infrastructure at six sites in northern Manhattan and Brooklyn along the Hudson River estuary, within or immediately adjacent to environmental justice communities. The sites include West Harlem Piers, East River Esplanade (Bobby Wagner Walk), Randall's Island, Transmitter Park, Bush Terminal Piers Park and Bushwick Inlet. The access sites will serve the general public and environmental education groups, local schools, and youth organizations.
Sarah Lawrence College	Westchester	\$64,990	The Center for the Urban River at Beczak (CURB) will plan and design nature-based (green) infrastructure demonstration projects to improve stormwater management on its two-acre outdoor site. CURB will also create signage, fact sheets, and web content to inform the public about stormwater, urban runoff, and combined sewer overflow (CSO) issues and will design a monitoring plan to provide opportunities for youth engagement and citizen science.
Harlem River Boat Club Inc.	Bronx	\$20,000	The Harlem River Community Rowing program will increase access to boating on the Harlem River for people with a range of physical abilities by purchasing a lighter, eight-seat rowing shell and a modular extension that increases seat capacity for the Learn-to-Row barge. The lighter shell will make introductory classes more appealing and accessible, and the expanded barge will increase capacity for the free, Learn-to-Row program that serves low-income residents in the surrounding neighborhood.
Media Alliance, Inc.	Rensselaer	\$73,660	Media Alliance will design a citizen-scientist biology education laboratory, the Troy Citizen Science Center, in the lower floor of the North Troy Art Technology and Urban Research in Ecology building (NATURE) that will include classroom and meeting space, a wet lab with an aquarium, and a dry lab with microscopes. The center will host workshops and labs to educate residents about the importance, value and role of the Hudson River estuary in the urban ecosystem. The Media Alliance will also develop a website, and design, build and install multi-media signage for a linked art trail.

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 17)**

**TOTAL: \$1,198,758**

**AWARDS ANNOUNCED MAY 2, 2016**

**RIVER ACCESS AND RIVER EDUCATION**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Outstanding Renewal Enterprises, Inc.	New York	\$26,000	The East River Park Environmental Learning Center will purchase new educational equipment and displays that will include a saltwater aquaponics system stocked with species from the estuary. The East River Park will also offer new educational workshops for the public and school groups, as well as expanded public fishing clinics.
NYC Department of Parks & Recreation	Richmond	\$100,000	The New York City Department of Parks & Recreation will develop an educational, stewardship and recreational outreach program for youth who live on the north shore of Staten Island that will include ecosystem education presentations, field activities, and recreational opportunities on New York City parklands on Hudson River South.
Downtown Boathouse	New York	\$90,375	This project will improve public recreational access to the Hudson River in Manhattan with the purchase of kayaks and other equipment to increase the capacity of the free kayaking programs at popular launch sites operated by the Downtown Boathouse and the Manhattan Community Boathouse. These volunteer-staffed programs offer recreation and kayaking instruction for people of all ages, fitness levels and physical abilities.
Beacon Sloop Club	Dutchess & Others	\$100,000	The Beacon Sloop Club will complete the restoration of the ferry sloop Woody Guthrie including planking and fairing of the hull, reinstallation of the cabin and cockpit, caulking, and replacement of decking. The Woody Guthrie provides free educational sails on the Hudson River to the general public, school groups, and other local organizations. Beacon Sloop Club programs also include a sail training program with classroom and on-board training, and a winter environmental education program for crews, which are free and open to the public.
Hudson Valley Arts and Science	Westchester	\$100,000	Hudson Valley Arts and Science will complete the design and permitting of an extension to a public pier in Ossining, NY that was modified during the rebuilding of the Metro North ferry terminal. The pier extension will provide adequate draft for visiting historic and tourist ships such as the Hudson River Sloop Clearwater, the Half Moon, the Amistad replica, and the old Hudson River Day Line.
City of Hudson	Westchester	\$91,780	The City of Hudson will build and equip a riverfront information center, the Everett Nack Estuary Education Center (ENECC) on an abandoned piece of land at the city's waterfront. The Center will be constructed from a recycled shipping container and will be developed and operated by The Hudson Sloop Club. Designed to be accessible to people of all abilities, the education center will offer hands-on and experiential displays and activities, and will host visiting environmental educators, scientists, community members and visitors to the City of Hudson.
Town of Saugerties	Ulster	\$42,500	The Town of Saugerties will conduct a shoreline improvement study to evaluate specific needs for creating safe and climate-resilient access to the Hudson River shoreline at Bristol Beach State Park. The study will also identify educational opportunities and establish a plan for linking trails.

AWARDS ANNOUNCED SEPTEMBER 29, 2016

LOCAL STEWARDSHIP PLANNING

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Columbia Land Conservancy, Inc.	Columbia	\$43,067	Columbia Land Conservancy will assemble an advisory team to create the first NRI for Columbia County, encompassing 22 municipalities in the upper Hudson River estuary watershed. Existing data about the physical, biological, and cultural aspects of the landscape will be gathered, summarized, and analyzed, and lands important to community resiliency to climate change will be identified. Ultimately, the NRI will provide information and natural resource data for planning for Columbia County's ecological health and resilience.
Onondaga Environmental Institute, Inc.	Rensselaer	\$42,840	Onondaga Environmental Institute will develop a Watershed Plan for the Poesten Kill Watershed, based on water quality assessments and biological surveys. The development of a Watershed Plan will help identify areas of greatest conservation and restoration need in the watershed, as well as identify species of concern. In-situ water quality assessments and surface water sample collection will be used to isolate and potentially determine the source(s) of point-source discharges and/or nonpoint-source runoff.
Mohonk Preserve Inc.	Ulster	\$47,440	Mohonk Preserve will create a conservation plan for the Kleine Kill and Coxing Kill watersheds in Ulster County. Building on previous NRIs, the plan will identify and prioritize conservation needs. The stakeholder- and citizen science-driven planning and data collection process will evaluate water quality, identify vulnerable species, assess invasive threats, determine the need for riparian buffers and changes to current agricultural practices, and inform the siting of future trails or educational/interpretive infrastructure.
Rensselaer Land Trust, Inc.	Rensselaer	\$35,000	Rensselaer Land Trust will engage public and private stakeholders, including municipalities and residents, to develop a Rensselaer County Conservation Plan that will guide land conservation in Rensselaer County. The project will inventory and map natural resources, significant open spaces, and landscape features of the county. An assessment will be conducted to determine priority lands, resulting in a Conservation Plan that will help inform where land conservation projects will have the most impact.
Siena College	Albany, Dutchess, Westchester	\$48,244	Siena College will leverage the momentum that has built for the THuRST network and further its mission through the development of a new research plan that includes Hudson tributary research priorities and an action plan. Engaging with project partners and various stakeholders, the project will expand the organization's legitimacy, presence, and function in the Hudson River Watershed so it can plan for and carry out research to help the entire Hudson River Watershed community make science-based management decisions.
Rensselaer Land Trust, Inc.	Rensselaer	\$50,000	Rensselaer Land Trust will recruit and train citizen scientists to collect water samples from 18 sites on 5 tributaries for enterococcus levels. A sampling sub-set will determine levels of emergent compounds where high level enterococcus are found. Data will be analyzed and an assessment will be broadly communicated. The project will also promote an increased level of awareness and knowledge of residents and others on water quality conditions that can lead to a reduction of pollutants and improvement in water quality by introducing measures to reduce contamination sources and personal pledges.
Riverkeeper	Westchester and others	\$50,000	Riverkeeper will utilize the understanding gained from source tracking and nutrient/algal monitoring projects to advance community science efforts and improve water quality. The goals of the science-based action plan of the Wallkill River Watershed Alliance will evolve by applying the knowledge gained to expand sampling in other watersheds in the Hudson Estuary watershed. Overall, this project will support active community science water quality projects throughout the Hudson River Estuary that monitor fecal indicator bacteria.
Vassar College	Dutchess	\$50,000	Vassar College will produce a NRI for the City of Poughkeepsie that will provide baseline information on natural resources, including greenspace parks, tributaries to the Hudson, the Poughkeepsie waterfront and city trees. Community stakeholder meetings will be held to help identify other resources for inventory, such as historic and recreational resources. A habitat map and corresponding report will be generated. Students will map ash trees within city limits and propose management options for the mitigation of ash tree loss due to the invasive emerald ash borer.
City of Kingston	Ulster	\$24,500	The City of Kingston will complete a community-driven Open Space Plan (OSP), building on previous work to map the city's natural resources and creating a priority Open Space Index. The plan will serve as a roadmap to: (i) preserve, protect and enhance open space, (ii) identify and prioritize green space, (iii) protect water and biologically diverse resources, (iv) create and enhance access to parks, natural, historic and cultural resources, and (v) promote and ensure sustainable development.

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 18)**

**TOTAL: \$441,091**

**AWARDS ANNOUNCED SEPTEMBER 29, 2016**

**LOCAL STEWARDSHIP PLANNING**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
New York City Department of Parks & Recreation	Richmond	\$50,000	NYC Department of Parks & Recreation will develop a watershed plan for park land on the North Shore of Staten Island that focuses on opportunities for habitat, riparian and shoreline restoration, and green infrastructure for stormwater management. The project will also deliver conceptual designs for ecosystem restoration at the mouth of Harbor Brook in Snug Harbor to increase educational and stewardship opportunities for partner organizations, including the Snug Harbor Cultural Center and the Staten Island Museum.

**HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2016 (ROUND 19)**

**TOTAL: \$1,311,787**

**AWARDS ANNOUNCED NOVEMBER 3, 2016**

**RIVER ACCESS AND EDUCATION**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Rockland County Division of Environmental Resources	Rockland	\$106,250	Rockland County Division of Environmental Resources will replace all of the existing wooden floating docks in Haverstraw Bay Park with storm resilient, ADA compliant docks. The current docks, previously identified as being deficient in terms of accessibility, are in need of replacement. Further improvements include outfitting an accessible kayak launch in one of the boat slips. Existing gangways and piers will be used in the installation, which is part of a larger restoration project arising from Superstorm Sandy.
Town of Cortlandt	Westchester	\$50,000	The Town of Cortlandt will complete a feasibility study, conceptual design, and facility planning of a Hudson River Environmental Educational Center to be located in the center of Cortlandt Waterfront Park in the hamlet of Verplanck. The educational center will provide a location for visitors and school groups to learn about the river, specifically the role the Hudson River played in the development of the hamlet of Verplanck and the various industries that developed along the river including fishing, brick-making and ice-harvesting.
Cary Institute of Ecosystem Studies	Dutchess & Ulster	\$158,549	Cary Institute for Ecosystem Studies will engage secondary students and teachers in using data from the Hudson River Environmental Conditions Observing System (HRECOS) and the Hudson River watershed to improve environmental and data literacy. A web-based data portal will be built featuring new environmental and social science data sets ready for classroom use, along with resources for students, teachers and others. Cary staff will partner with Spark Media Project to support students in three environmental justice communities to participate successfully in the Hudson Data Jam.
Hudson River Maritime Museum	Ulster	\$120,263	Hudson River Maritime Museum will build a 21-foot, 8-person heritage wooden boat to provide “on the water” education and access to the Rondout creek and Hudson River. Built from locally-sourced wood, the Riverport boat construction will be documented and progress will be shared with the community. The project will also provide universal access to the museum’s docks, including an accessible entryway and ramp to the docks, as well as an ADA compliant kayak and small boat launch incorporating a transfer bench for wheelchair to craft access.
Manhattan College	Westchester & Bronx	\$74,628	Manhattan College will implement a project that will foster collaborative learning by enabling students to gather, share, and synthesize evidence-based observations of the Hudson River Estuary. Using their own smartphones, students will download blue-tooth enabled data of vital water parameters while walking through two tidal estuaries. The students will be able to determine, by collecting samples, the water quality of the adjacent tributary. Web applications and websites will be created to house and process the data, which will subsequently be used in classes and meetings for discussions and collaborative sessions.
Rensselaer Land Trust, Inc.	Rensselaer	\$26,500	Rensselaer Land Trust will create a Hudson River Access Plan for shoreline communities in Rensselaer County. The plan will provide an inventory of existing public access sites on the Rensselaer County Hudson River shoreline, outreach and research for additional potential sites with shoreline communities, and will make recommendations and design suggestions for improving access for people of all abilities, improved storm resiliency, and adequacy of facilities for user groups. The approach will take a comprehensive look at ways to “get people to the river” for recreation.
Hudson River Park Trust	New York	\$200,000	Hudson River Park Trust will complete design and marine engineering of a concrete floating dock at Hudson River Park Pier 26. The work will include analysis and incorporation of necessary utilities to the dock, including an ADA-accessible ramp and necessary modification to the existing Pier 26 marine infrastructure. Input will be solicited in developing programmatic elements for the dock, and assistance will be sought with oversight and permitting from regulatory agencies. Ultimately, the dock will accommodate large vessels and will serve as a river access point for education and research purposes.
Arm of the Sea Productions Inc.	Ulster	\$73,934	Arm of the Sea Productions will complete planning, design work and permitting needed to transform a former industrial site on the tidal Esopus Creek into an inspirational center for estuary education. Located in the Village of Saugerties adjacent to the Tina Chorvas Waterfront Park, the 1.5 acre property is currently inundated by ruins of a 19th century paper mill. Under this project, surveys and assessments will be completed, and a set of plans will be developed in preparation for securing necessary permits.
Seaport Museum New York	New York	\$195,000	Seaport Museum New York will repair two historic educational vessels (PIONEER AND LETTIE G. HOWARD) used as floating classrooms that provide an interactive education experience focused on ecology, natural history and water quality. The repairs are crucial to the operation of each vessel and include a new, more efficient engine and sails for PIONEER, and deck, hull, rig and engineering repairs to LETTIE G. HOWARD.



**AWARDS ANNOUNCED NOVEMBER 3, 2016**

**RIVER ACCESS AND EDUCATION**

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Clarkson University	New York	\$193,639	Clarkson University will lead a consortium of partners to further develop the conceptual plan for digital exhibits in the Hudson Park Pier 26 Estuarium. The execution of an RFP for design of the exhibit spaces, including selection and design will be conducted. Additionally, the project will develop the Estuarium website and its education portal. The Hudson Park Pier 26 Estuarium will be a public discovery center and destination for dynamic educational exhibits about the Hudson River Estuary and estuary science in the environment, history and society.
Marist College	Dutchess	\$54,674	Marist College will retrofit a 28-foot educational vessel to increase accessibility of two educational programs that provide river-based outdoor experiences on the Hudson River Estuary. The scope of the retrofit includes modifications to deck railing, a widened rail gate, and a hydraulic ramp equipped with railings. Equipment will also be installed to enhance the capabilities of vessel. The retrofit and equipment upgrades will expand opportunities for students of all ages and abilities to gain valuable hands-on experience and knowledge of the estuary.
New York City Department of Parks & Recreation	Bronx	\$58,350	NYC Department of Parks & Recreation will conduct a shoreline access planning project along the Hudson River Estuary in the Bronx between High Bridge and the Alexander Hamilton Bridge at a site known as Bridge Park South. Currently, the site contains over 215,000 square feet of unused waterfront, and was previously used as a construction staging area. The project will focus on access planning for environmental education and habitat enhancement, and will include a site survey and analysis, hydrodynamic assessment, community outreach, and a concept design.