

Long Island Sound Futures Fund

Instructions: Select one no more than two (2) implementation Actions (IAs) for your project. *Example 1* - Metric: Square foot of green infrastructure installed. Metric: Gallons of stormwater prevented. IA: SC-24: Implement standards, best practices, & educational materials for Green Infrastructure, Low-Impact Development planning and implementation. WW-2: Continue to collaborate with municipalities, local partners and stakeholders to strategically plan for and implement capital improvements, Best Management Practices (BMPs), and improved operation and maintenance to mitigate point and nonpoint source pollution loadings. *Example 2* - Metric: Miles of stream opened. IA: HW-3: Complete projects that restore or maintain habitat connectivity (i.e., river miles reconnected and/or contiguous acres of coastal habitat protected or restored).

Implementation Actions	Project Activity	Recommended Metric	Metrics Guidance	
WW-2: Continue to collaborate with municipalities, local partners and stakeholders to strategically plan for and implement capital improvements, Best Management Practices (BMPs), and improved operation and maintenance to mitigate point and nonpoint source pollution loadings.	Pollution reduction - Remove impervious surface.	Sq. ft. impervious surface removed	Enter square foot of impervious surface removed or retrofitted	
	Pollution reduction -Green infrastructure/Low Impact Development/riparian/floodplain restoration	Sq. ft. of green infrastructure	Enter the square footage of green infrastructure installed	
	WW-4: Pursue opportunities to further improve nitrogen removal including low-cost retrofits at WWTFs throughout the watershed but particularly in the upstream states.	Pollution reduction - Nitrogen	Lbs. nitrogen avoided (annually)	Enter lbs. of nitrogen prevented from entering system annually
		Pollution reduction - Phosphorous	Lbs. phosphorous avoided (annually)	Enter lbs. of phosphorous prevented from entering system annually.
	WW-5: Encourage municipalities to do sustainable asset management through their sewage collection system.	Pollution reduction - Sediment	Lbs. sediment avoided (annually)	Enter lbs. of sediment prevented from entering system annually.
	WW-9: Improve and enforce pesticide/herbicide/fertilizer regulations and other Best Management Practices for agriculture and urban turf.	Pollution reduction - Stormwater runoff	Volume stormwater prevented	Enter volume (in gallons) of stormwater prevented from entering the water body annually.
	WW-12: Improve understanding, management, design, and implementation of denitrifying decentralized and residential, on-site wastewater treatment systems.	Pollution reduction - Trees planted	# trees planted	Enter the number of trees planted.
SC-14: Promote landscaping guidance, practices and policies to property owners & communities that encourage alternatives to chemical and nutrient-intensive landscaping, including establishment of natural vegetated buffers near water bodies.				
SC-20: Provide support to municipalities on low-impact development and green infrastructure.				
SC-24: Implement standards, best practices, and educational materials for Green Infrastructure, Low-Impact Development planning and implementation.				
WW-20: Support activities to achieve trash-free waters.	Pollution reduction - Litter, floatables and marine debris removed	Lbs. of marine debris	Enter the number of pounds of marine debris that has been removed from the environment and properly disposed of.	
WW-35: Assess sources of pathogens and nutrients and work with communities to alleviate those sources.	Monitoring	# Monitoring programs	Enter the number of programs established or underway. In NOTES section: describe types of data to be collected.	

Implementation Actions	Project Activity	Recommended Metric	Metrics Guidance
<p>WW-14: Support collaborative and inclusive development of new and updated restoration plans for Connecticut and New York embayment watersheds with pollution load reduction targets.</p> <p>WW-25: Evaluate the challenges to implementation of bioextraction in Long Island Sound, including use conflicts, economic viability, permitting and testing requirements and potential environmental impacts, and make recommendations to overcome them.</p> <p>HW-22: Engage local communities in design, development, implementation, and promotion of habitat restoration, stewardship and monitoring projects.</p> <p>SC-15: Support efforts through technical and grant assistance to develop behavior change campaigns that result in measurable environmental improvements to the Sound's ecosystem.</p> <p>SC-24: Support community development, adoption, and implementation of new or updated municipal sustainability plans and coastal resiliency plans.</p>	Management or Governance Planning, Tool Development	<p># plans developed</p> <p># of organizations contributing to goals</p> <p># of people reached by outreach, training or technical assistance activities</p> <p># acres under improved management</p> <p># tools used by decision-makers</p> <p># of critical facilities or infrastructure</p>	<p>Enter the number of plans developed that had input from multiple stakeholders.</p> <p>Enter the number of organizations contributing to the initiative's conservation goals.</p> <p>Enter the number of people reached by outreach, training, or technical assistance activities.</p> <p>Enter the number of acres assessed for improved management.</p> <p>Enter the number of tools developed that are used by decision-makers.</p> <p>Enter the number of critical community infrastructure assets or facilities within the radius of the enhanced protection provided by the project.</p>
SM-8: Coordinate and leverage community water quality monitoring programs, enhancing the utility and application of data.	Planning/Research/Monitoring	# monitoring programs	Enter the number of programs established or underway.
<p>HW-1: Complete projects that result in restoration of coastal habitat.</p> <p>HW -14: Develop and implement invasive/non-native species management plans for priority terrestrial and aquatic sites.</p> <p>HW-16: Collect and analyze data on, and restore habitat for, Species of Greatest Conservation Need, including forage species.</p> <p>HW -25: Continue Long Island Sound eelgrass abundance surveys and promote eelgrass management.</p>	Land, wetland, marine restoration	<p># acres of living shoreline restored</p> <p># acres of floodplain restored</p> <p># acres of marine habitat restored</p> <p># acres of land restored</p> <p># acres of Beach habitat restored</p> <p># acres of wetland restored</p>	<p>Enter number of acres of living shoreline restored.</p> <p>Enter number of acres of floodplain restored.</p> <p>Enter number of acres of marine habitat restored.</p> <p>Enter number of acres of land restored including coastal grassland, coastal or island forest.</p> <p>Enter number of acres of beach and dune restored.</p> <p>Acres of wetland restored.</p>
HW-3: Complete projects that restore or maintain habitat connectivity (i.e., river miles reconnected and/or contiguous acres of coastal habitat protected or restored).	Barrier removal to restore aquatic connectivity	<p># miles of stream opened</p> <p># acres of lake/pond habitat opened</p>	<p>Enter number of miles restored and fish species benefited.</p> <p>Enter number of acres of lake/pond opened.</p>
HW-9: Equitably protect high-priority coastal habitat from development through property acquisition and other means, support sustainable use of these properties, without discouraging wildlife use.	Habitat management	# acres under improved management	Enter the number of acres under improved management and the species benefited
HW-10: Promote management practices that limit human disturbance and protect functional availability of coastal and marine habitats for Species of Greatest Conservation Need, including forage species and other wildlife.	Habitat management	# acres under improved management	Enter the number of acres under improved management and the species benefited

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<p>HW-11: In lieu of hard armoring, develop and promote the use of living shoreline habitat protection methods (dunes, shorelines, coastal marshes) and standardized living shoreline monitoring protocols while considering the habitat needs of Species of Greatest Conservation Need, including forage species, and reducing wildlife conflicts.</p>	Habitat restoration	# acres of living shoreline restored	Enter the acres of living shoreline to be restored
<p>SC-1: Support festivals, celebrations, events, campaigns and materials that reach priority audiences through multiple communication channels to promote education and encourage appreciation, responsible use, and stewardship of the Sound's natural, cultural, historical and maritime resources.</p> <p>SC-5: Support or develop tools (e.g., training modules, websites, regulations, best practices, etc.) and conduct region-wide and town-specific workshops to assist municipalities in incorporating environmental justice in projects that implement CCMP actions.</p> <p>SC-7: Produce informational materials to engage multiple audiences in stewardship and increase the public's understanding of the ecological, cultural, and recreational value of Long Island Sound.</p> <p>SC-15: Develop a Sound-wide marketing campaign to increase the public's safe and sustainable use of the Sound.</p> <p>SM-17: Establish and implement practices to effectively engage underrepresented stakeholders and communities in CCMP implementation and LISS Management Conference decision-making.</p> <p>SC-19: Support programs and opportunities that promote in-the-field and hands-on learning through classroom and informal activities.</p>	Educate the public or stakeholders	# of people reached by outreach, training, or technical assistance activities	Enter the number of people reached by outreach, training, or technical assistance activities.
<p>SC-11: Support local volunteer organizations that are working toward the ecological restoration of the Sound and its tributaries.</p>	Engage volunteers	# volunteers participating	Enter the number of volunteers participating in projects.
<p>SC-2: Support efforts and projects that promote environmentally sustainable recreational activities and protection of the Sound's environmental and wildlife resources.</p> <p>SC-31: Support planning and implementation to increase the number of points and the length of the Sound's shoreline and rivers that provide equitable public access while also protecting and balancing the health and resilience of sensitive wildlife habitats and breeding areas.</p> <p>SC-32: Encourage the sustainable use of natural coastal areas, including Long Island Sound Stewardship Areas, through support of sustainable blueways, bikeways, and greenways.</p>	Public Access	<p>Access pts. developed/ improved.</p> <p>Acres with public access.</p>	<p>Enter the number of public access points developed/improved.</p> <p>Enter the number of acres now open to public access.</p>