



TOWN OF SOUTHAMPTON
 Department of Community Preservation
 24 W Montauk Hwy, Hampton Bays, NY 11946
 Ph: 631-287-5720 Fx: 631-728-1920
www.southamptontownny.gov/WQIPP

2022

COMMUNITY PRESERVATION FUND (CPF)
WATER QUALITY IMPROVEMENT PROGRAM
CHECKLIST/APPLICATION INSTRUCTIONS

The CPF Water Quality Improvement Project Plan (WQIPP) Fund follows the objectives in the adopted [Water Quality Improvement Project Plan](http://www.southamptontownny.gov/WQIPP) (see <http://www.southamptontownny.gov/WQIPP>)

To apply for funding, an application must be COMPLETED and submitted along with detailed narratives and supporting information as described below. The Water Quality Advisory Committee will rank and score projects based on the [Scoring Criteria contained in the application materials](#). Parcel acquisitions will be considered on an ongoing basis, independent of this application process.

Note: Electronic application submission required and 4 - full printed sets of application, site plan and narrative. Upload application at www.southamptontownny.gov/WQIPPSUBMISSION
A Public Hearing and Town Board Resolution will be required for individual or multiple projects.

WATER QUALITY IMPROVEMENT PROJECT MEANS:

DEFINITIONS:

1. **Wastewater Treatment Improvement Project** means the planning, design, construction, acquisition, enlargement, extension, or alteration of a wastewater treatment facility, including alternative systems to a sewage treatment plant or traditional septic system, to treat, neutralize, stabilize, eliminate or partially eliminate sewage or reduce pollutants in treatment facility effluent, including permanent or pilot demonstration wastewater treatment projects, or equipment or furnishings thereof. Stormwater collecting systems and vessel pumpout stations shall also be included within the definition of a wastewater improvement project.
2. **Nonpoint Source Abatement and Control Program Projects** developed pursuant to section eleven-b of the soil and water conservation districts law, title 14 of article 17 of the environmental conservation law, section 1455b of the federal coastal zone management act, or article forty-two of the executive law;
3. **Aquatic Habitat Restoration Project** means the planning, design, construction, management, maintenance, reconstruction, revitalization, or rejuvenation activities intended to improve waters of the state of ecological significance or any part thereof, including, but not limited to ponds, bogs, wetlands, bays, sounds, streams, rivers, or lakes and shorelines thereof, to support a spawning, nursery, wintering, migratory, nesting, breeding, feeding, or foraging environment for fish and wildlife and other biota.
4. **Pollution Prevention Project** means the planning, design, construction, improvement, maintenance or acquisition of facilities, production processes, equipment or buildings owned or operated by municipalities for the reduction, avoidance, or elimination of the use of toxic or hazardous substances or the generation of such substances or pollutants so as to reduce risks to public health or the environment, including changes in production processes or raw materials; such projects shall not include incineration, transfer from one medium of release or discharge to another medium, off-site or out-of-production recycling, end-of-pipe treatment or pollution control.
5. **The Operation of the Peconic Bay National Estuary Program**, as designated by the United States Environmental Protection Agency. Such projects shall have as their purpose the improvement of existing water quality to meet existing specific water quality standards. Projects which have as a purpose to permit or accommodate new growth shall not be included within this definition



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**COMMUNITY PRESERVATION FUND (CPF)
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 PROPOSAL SUMMARY**

Project Applicant: Southampton Town Trustees
 Project Title: Lake Agawam Stormwater Management Improvements
 Project Manager Name: Trustee William Pell and Environmental Analyst James Duryea

Name	Trustee William Pell and Environmental Analyst James Duryea
Title	Lake Agawam Stormwater Management Improvements
Organization	Southampton Town Trustees
Address	116 Hampton Road Southampton NY 11968
Phone	631-287-5717
Email	Bpell@southamptontownny.gov and jduryea@southamptontownny.gov

Property owner (if different from Project manager organization):

Name	
Affiliation	
Organization	
Address	
Phone	
Email	

Project Address: Gin Lane Lake Agawam Parking Lot SCTM #(S)

Type of Project (Check all that apply):
 Reduction Remediation Restoration

Project Summary: (Provide a brief narrative description of proposed WQIPP project)

This proposal is to develop the remainder of the storm water management improvements, including a "rain garden" island in place of the existing concrete along with a porous parking system.



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If additional information is needed to describe the project; a project narrative can accompany the application. Please limit the narrative to approximately 3 pages of project description, provide a summary of water quality benefits/objectives of approximately 2 pages and provide a cost estimate of approximately 2 to 4 pages with supporting estimates. Any additional materials should be focused specifically on the proposed project with references to other studies that are pertinent

1. PROJECT TYPE (check all that apply)

Must meet at least one of the definitions of "Water Quality Improvement Project" per State Law Chapter 551 cited above. Check all that apply. **Note: Monitoring costs are only potentially eligible for CPF funding within Aquatic habitat restoration projects.**

- Wastewater Treatment Improvement Project
- Non-point source abatement and control
- Aquatic habitat restoration
- Pollution prevention
- Operation of Peconic Bay National Estuary Program (Grant Match)

2. PRIORITY AREA(S) (check all that apply)

Priority areas are defined in the [Water Quality Improvement Project Plan \(WQIPP\)](#).

- 303(d) Impaired
- Peconic Estuary Program - [PEP map](#)
- High
- Medium
- Outside High and Medium priority areas*

*If Outside High and Medium priority areas, explain how the project is relevant to WQIPP goals.

[Redacted area for explanation of project relevance to WQIPP goals]

3. PROJECT DESCRIPTION

3a. Existing conditions of applicable groundwater/sub-watershed/waterbody and most recent and relevant data available (provide sources).

Attachment 1

[Redacted area for existing conditions and sources]

3b. How the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan. Note all remediation and restoration projects must assure that reduction measures are also addressed.

Attachment 1

[Redacted area for proposed solution details]



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3c. Describe the proposed technology and its demonstrated efficacy in similar settings. May include published data.

Attachment 1

3d. How the project supports Town of Southampton, Suffolk County, NYSDEC, Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references with page numbers).

Attachment 1

3e. Review the following statements and indicate whether they are applicable to your project. For all "Yes" responses, please indicate how your project addresses the requirements indicated.

YES N/A

If stormwater system or drainage is proposed: The project must indicate compliance with the New York State Stormwater Design Manual (2015 and as updated).

If project is related to farmland: Describe any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement.

If the project is for habitat restoration: The narrative must address how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given.

If project is a Sewage Treatment Plant (STP) or cluster treatment system: Fund allocation request is based on cost for reduction of pre-existing conditions and not for purpose of accommodating new density (describe pre-existing density and associated flow (gallons per day) and total projected nitrogen reduction in narrative). Include detailed information on how many homes the system would treat as well as potential for formation of Sewer District, if required by Suffolk County Health Department or Town Law.

If the project is requesting grant match: Include information related to funding program source and purpose of application and any relevant items on this checklist. Note: A Town Board resolution will be required in order to encumber matching funds for grant applications.

4. WATER QUALITY BENEFIT

4a. Identify Nitrogen, Pathogen or Pollutant of Concern (POC) including Existing Condition and Target Reduction.

Attachment 1

4b. Describe plans for collecting and reporting on water quality over time.

Attachment 1



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4c. Indicate useful life of proposed technology (must meet or exceed five years).

Attachment 1

5. COST FACTORS

5a. Explain how you have confirmed that the proposed budget is reasonable, appropriate and necessary. If available, provide third party estimates or other documentation of how costs were determined.

Attachment 1

5b. Describe any matching funds to be provided.

Attachment 1

80%CPF
10%Trustees
10%Lake Agawam Conservancy

5c. Explain: i. Why project cannot proceed and intended benefits cannot be achieved without external funding.
ii. if funds are awarded at a lower level than requested, or if there are cost overruns, explain how the project will proceed.

Attachment 1

6. MANAGEMENT, EXPERIENCE, ABILITY

6a. Describe applicant's experience in completing similar projects.

Attachment 1

6b. Describe community support or opposition to project. If there is opposition, explain how this is to be addressed.

Attachment 1

6c. Describe any permits needed and time frame/status of approvals. If permits are approved, indicate same.

Attachment 1



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7. MAINTENANCE, MONITORING, EVALUATION

Estimate ongoing maintenance costs and explain how these will be supported. Explain stewardship and monitoring activities planned for ensuring sustainability of the project.

Attachment 1

8. DURATION OF PROJECT

8a. Provide a projected project timeline. Note: The Committee will only make recommendations for shovel-ready projects that can commence this fiscal year.

Attachment 1

8b. If project is multi-year or phased, provide a breakdown of budget and milestones for each year and phase.

Attachment 1

9. REQUIRED ATTACHMENTS Confirm that the following required documents are attached to this application:

- Photos of existing conditions
- Location Map
- State Environmental Quality Review Act (SEQRA) Long or Short Environmental Assessment Form (EAF)
<https://www.dec.ny.gov/permits/6191.html>
- Completed EPA Spreadsheet Tool for Evaluating Pollutant Load (STEPL)
<https://www.epa.gov/nps/spreadsheet-tool-estimating-pollutant-loads-step1> or similar standardized methodology (describe)
- Project budget (see attached template)
- Ownership commitment is provided via letter of intent (LOI) for non-municipal owners or municipal resolution for municipal owners
- Public agencies must complete SEQRA on the project and submit determination of significance and associated documentation.

10. OTHER ATTACHMENTS

List other attachments provided, including cost estimates, bids, plans, documentation of matching funds, and other as appropriate to demonstrate project readiness, quality, feasibility, and cost effectiveness



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BUDGET PROPOSAL

Is the applicant a municipality group? Yes No
 If yes, please enter the request date or anticipated request date of RFP (Request for Proposals) _____.

PLANNING/ENGINEERING/DESIGN	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
Task 1- Survey, Permitting, & Design Fee (Tasks I-III)	\$- 38,800.00	\$-	\$-	\$- 38,800.00
Task 2- Construction Support Services Fee (Task IV)	\$- 32,500.00	\$-	\$-	\$- 32,500.00
Task 3-	\$-	\$-	\$-	\$- 0.00
Task 4-	\$-	\$-	\$-	\$- 0.00
Task 5-	\$-	\$-	\$-	\$- 0.00
Task 6-	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Planning/Engineering/Design Cost Total	\$- 71,300.00	\$- 0.00	\$- 0.00	\$- 71,300.00

Contractual Services				
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Contractual Services Cost Total	\$-0.00	\$- 0.00	\$-0.00	\$- 0.00

Construction & Site Improvements				
Rain Gardens & Porous Paving	\$- 607,650.00	\$-	\$-	\$- 607,650.00
General Conditions, insurance & bonding requirements 10%	\$- 60,765.00	\$-	\$-	\$- 60,765.00
CONTINGENCY 10%	\$- 60,765.00	\$-	\$-	\$- 60,765.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Construction & Site Improvements Cost Total	\$-729,180.00	\$- 0.00	\$-0.00	\$- 729,180.00



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APPLICANT'S INFORMATION

Owner: Southampton Town Trustees
Contact First and Last Name: Trustee William Pell and Environmental Analyst James Duryea
Contact Address: 116 Hampton Road Southampton NY 11968
Contact Phone: 631-287-5717
Contact Email: Bpell@southamptontownny.gov and jduryea@southamptontownny.gov

CONTRACT RECIPIANT INFORMATION

Name/Organization: Southampton Town Trustees
Contact Person/Officer: Trustee William Pell and Environmental Analyst James Duryea
Contact Address: 116 Hampton Road Southampton NY 11968
Contact Phone: 631-287-5717
Contact Email: Bpell@southamptontownny.gov and jduryea@southamptontownny.gov

PROJECT INFORMATION

Project Title: Lake Agawam Stormwater Management Improvements
Project Location: _____
Project Description (1-3 sentences): _____

This proposal is to develop the remainder of the storm water management improvements, including a "rain garden" island in place of the existing concrete along with a porous parking system.

ANTICIPATED PROJECT TIMELINE

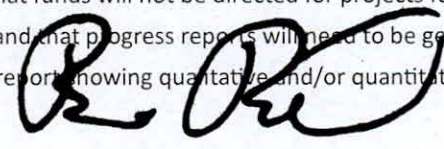
Begin: _____
Complete: _____
Notes: _____

ATTESTATION

Allocation of CPF funds will not be for the purpose of accommodating new growth, as this is prohibited by State law.

Check all boxes & sign.

- We certify that funds will not be directed for projects for the purpose of accommodating new growth.
- We understand that progress reports will need to be generated as specified in our Water Quality Improvement Contract AND a final report showing quantitative and/or quantitative data will be generated upon project completion.

Signature:  Date 4/14/22

Lake Agawam Parking Lot Storm Water Management Improvements

Board of Trustees of the Commonalty of the Town of Southampton

1. Project Summary:

Lake Agawam Parking Lot storm water management improvements, including a “rain garden” island in place of the existing concrete along with a pervious paving system. This project will consist of 2 (two) phases.

Phase 1: Surveying, Permitting, Design, Construction Support Services (Exhibit A)

Phase 2: Site Work Construction and materials (Exhibit B)

3. Project Description:

3a. Existing Conditions

Lake Agawam appears on the NYS List of TMDL waters. NYSDEC reports that Harmful Algal Blooms (HABs) have been confirmed with High Toxins every year from 2013-2020. NYSDEC PWL and TMDL listings as well as the Lake Agawam Comprehensive Management Plan (CMP) (2009) (Exhibit C) and Lake Agawam Harmful Algal Bloom Action Plan (2020) (Exhibit D) identify storm water runoff as a key contributor of the excess nutrients that have led to hypereutrophic conditions and past fish kills. The CMP and HAB plan recommend that the Village identify all possible land opportunities for recharge facilities in the watershed including rain gardens where feasible.

3b. Proposed solutions

At the South End of Lake Agawam is a Town Trustee owned parking lot. Adding a bio-retention system rain garden and pervious paving, storm water from the parking lot and adjacent road will filter pathogens as well as the pollutants of concern/excess nutrients nitrogen and phosphorous before entering into Lake Agawam.

3c. Proposed Technology

Bio-retention systems are often referred to by a variety of names such as bio-infiltration areas, biofilters, rain gardens, or recharge gardens, and are recognized by the NYSDEC and other agencies as best practices that are very effective at removing pollutants and reducing storm water runoff. Properly designed bio-retention practices mimic natural ecosystems through species diversity, density and distribution of vegetation, and the use of native species. This allows for the bio-retention system to be resistant to insects, disease, pollution, and climatic stresses.

3d. Project Support

Town of Southampton Water Quality Improvement Project Plan:

The plan indicates that storm water collection/abatement initiatives meet State Law Chapter 551 definition of “water quality improvement project” and “wastewater treatment improvement project.” Storm water best management practices and treatment fall within the category of mitigation initiatives

for nitrogen pollution (p. 21). Agawam Lake is shown in the Plan as being situated in a High Priority area (exhibit F).

Lake Agawam Harmful Algal Blooms Action Plan (2020) (Exhibit D):

NYSDEC Action plans specifically says nonpoint source nutrient inputs from contributing watershed is a primary factor that contributes to harmful algal blooms. This proposed project incorporates aspects of a priority project in NYSDEC Action Plan directing storm water runoff into a bio retention area with natural vegetated buffers and rain gardens.

Long Island South Shore Estuary Reserve Comprehensive Management Plan (SSER CMP):

The NYSDEC Priority Waterbodies List (PWL) indicates that the waterbody is included within the South Shore Estuary Reserve (SSER). The SSER CMP is an element of the LI Nitrogen Action Plan. The project is supported by SSER implementation action 1-1: *Construction of storm water abatement projects in significant nonpoint source contributing areas associated with closed shellfish beds, impaired living resources, and bathing beaches that experience periodic closures due to water quality concerns.*

<https://dos.ny.gov/system/files/documents/2021/10/sser-cmp2001.pdf>

Long Island Nitrogen Action Plan

The project aligns with storm water management options outlined in the Action Plan scope, which discusses the benefits of bio-retention on page 31, Section 6.13

https://www.dec.ny.gov/docs/water_pdf/linapscope.pdf

The Lake Agawam Comprehensive Management Plan (CMP) (Exhibit C)

The plan supports this project under recommendation 7, *“Intercept and recharge storm water runoff in higher elevations of the watershed,”* (page 22) and 7b.

The Lake Agawam Conservancy, a local non-profit dedicated to restoring the Lake, has endorsed this project.

4. Water Quality Benefit

4a. Pollutant of Concern (POC)

Nitrogen and Phosphorous are important nutrients that contribute to HABs in Lake Agawam. Nitrogen comes from natural and human sources, storm water runoff, and groundwater that becomes enriched as a result of excess fertilizer being used in landscaping, applied to lawns, and agricultural crops, as well from septic systems.

4b. Collecting and Reporting Water Quality

Water Quality monitoring and collection are currently provided in in real time led by the Gobler Lab of Stony Brook University.

https://cloud.xylem.com/hydrosphere/public/sites?customerId=OWA_2316E0A17F5845B89A9084426DDD6B13&siteId=LA

4c. Useful Life of Proposed Technology

The expected useful life of the proposed improvements is 15-25 years similar to asphalt paving.

5. Cost Factors

5a. Proposed Budget

Southampton Town Trustees consulting firm L.K. McLean Associates, P.C. has prepared the, conceptual design, cost estimate, and will be responsible for all remaining design tasks (Exhibits A and B). The project cost is estimated per the consulting engineer's estimate which was prepared using knowledge of current market conditions.

5b. Matching Funds

Exploring 20% share with Lake Agawam Conservancy, with formal agreements pending grant approvals.

5c. Achieving intended benefits

Southampton Town Trustees do not have the funds to independently take on such a project. It is a high visibility area and a great opportunity to build upon the success of the South End Bioswale, also a partnership project with the Trustees and the Conservancy that has improved the Lake and has received public support and approval.

6. Management, Experience, Ability

6a. Experience

Exhibit E provided by L.K. McLean Associates, P.C. is a project experience pdf with a few recent projects as well as resumes of select people who would be involved in the project.

6b. Community Support

Lake Agawam Conservancy has shown community support to reduce Nitrogen and Phosphorus loading impact on Water Quality of Lake Agawam.

6c. Permits Needed

NYSDEC Permit and Southampton Town Trustees permit

7. Maintenance, Monitoring, Evaluation

Maintenance would require annual inspections and vacuum sweeping for the paving system and typical vegetation maintenance for the planted areas. The Trustees would be responsible for the maintenance and stewardship arrangements.

8. Duration of project

8a. Projected Project Timeline

The design and permitting phase 1 would likely be four months. Construction duration Phase 2 is estimated at three to four months.

8b. Breakdown of Budget

Phase 1 (Exhibit A)

Survey, Permitting, & Design Fee (Tasks I-III) \$38,800.00

Construction Support Services Fee (Task IV) \$32,500.00

Total Phase 1= \$71,300

Phase 2 (Exhibit B)

Rain Gardens & Porous Paving \$607,650.00

General Conditions, insurance & bonding requirements 10% \$60,765.00

CONTINGENCY 10% \$60,765.00

Total Phase 2=\$729,180.00

Total Phase 1+2=\$800,480.00