

PROJECT ELIGIBILITY	
Please Review the following eligibility documents before completing this application: 1) <i>FY23 Clean Water Initiative Program Funding Policy</i> (click here) 2) <i>Act 76, Clean Water Service Provider Rule and Guidance & explanatory materials</i> (click here)	
Is the portion of the project that you are seeking funding for considered non-regulatory and voluntary? i.e., the portion of the phosphorus being treated/reduced is not a required or compelled element of a regulatory permit (e.g. MS4 permit, MRGP, 3-9050 permit, wetland permit, etc.) or a legal settlement. (Answer must be YES to proceed).	Yes No
Does your project type meet the applicable definitions and minimum standards as provided in the CWIP Funding Policy (Answer must be YES to proceed)	Yes No

1. APPLICANT INFORMATION
Organization/Municipality Name: Chittenden County RPC
Name of Point of Contact: Dan Albrecht Title: Senior Planner
Phone Number: 802-861-0133
E-mail Address: dalbrecht@ccrpevt.org
2. PROJECT INFORMATION
Project Title: Identification/Assessment of Floodplain/Stream Restoration Projects
Watershed Project Database Number: Click or tap here to enter text.
Project Type (according to Appendix B Project Types Table of the 2023 CWIP Funding Policy) : Click or tap here to enter text.
Project Phase you are seeking funding for (may check more than one box if applicable): <input checked="" type="checkbox"/> Identification / Assessment <input type="checkbox"/> Project Development <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design <input type="checkbox"/> Implementation
Project Location including watershed/sub-watershed (provide as much detail as you are able): Mill River, Stone Bridge Brook, Malletts Creek and Allen (Petty) Brook
3. PROJECT SUMMARY & PHOSPHORUS REDUCTION BENEFIT
<i>a. PROJECT OVERVIEW Please provide an overview of the project, especially the phosphorus reduction practices that will be developed, designed and/or implemented with the grant funds you are seeking.</i>

Assessment and Project Identification tasks related to non-regulatory phosphorus reduction projects in the following drainages:

1. Mill River, located in the towns of Fairfax, Fairfield, and Georgia
2. Stone Bridge Brook, located in the towns of Georgia and Milton
3. Malletts Creek, located in the towns of Milton and Colchester
4. Allen (Petty Brook), located in the towns of Milton and Colchester

Project Identification and Assessment is a discrete project phase to identify areas with the highest contributions of pollutants and recommend potential clean water projects/best management practices (BMPs).

The overall purpose is to identify/update floodplain/stream restoration projects so that the CCRPC (as Basin 5 CWSP) and potential subgrant implementors, can move the most promising ones (in terms of phosphorus reduction potential) towards Development, Preliminary Design and if cost-efficient, towards Final Design and Implementation.

As this project consists primarily of projects within a river/stream corridor (perhaps exclusively), the CCRPC will hire one or more consultants to focus on the identification/confirmation of stream/river and floodplain restoration projects to restore the stream/river to least erosive condition (i.e., equilibrium condition) and improve habitat (including but not limited to process-based restoration, stream buffer plantings, easements, floodplain restoration, etc.). Restoration work includes channel/floodplain modification to improve equilibrium dimensions/connections OR removal/retrofit of river corridor/floodplain encroachments or instream structures. Such projects identified/confirmed by the selected consultants shall also be projects that are considered non-regulatory (aka, voluntary) and that also could achieve efficient phosphorus reduction cost-benefit ratios (<\$20,000 kg/year for 10 plus years) and thus make them a good candidate for financial support through a Water Quality Formula Restoration Grant-funded proposal for Preliminary Design, Conceptual Design and eventually Implementation.

4. Estimated annual average total phosphorus load reduction (kg/yr) & cost-effectiveness

- a. Using pollution reduction calculator tools consistent with the methods included in DEC's [Standard Operating Procedures \(SOPs\) for Tracking and Accounting of Phosphorous](#), what is the estimated annual average total phosphorus load reduction in kilograms per year? **Rough estimates are okay for a pre-application.** *[If your proposed project consists of project identification/assessment or development, provide your best estimate of the types of projects you hope to investigate and their typical phosphorus reduction benefits.]*

Identification/Assessment is proposed so no estimates are known at this point. According to Table 3 published in DEC Document, "Water Quality Restoration Formula Grant Target and Fund Allocation Methodology" published June 3, 2022, floodplain/stream restoration projects have an average cost-efficiency of \$16,647 kg/year, river corridor/easements average \$10,041 and riparian buffer restoration projects average \$5,116.

b. Using the following formula, what is the Cost Effectiveness of your project:

Cost effectiveness (\$/kg/yr) = (15 years/design life years of your project) * (total capital project cost (dollars) for design and construction) / (annual average total phosphorus source load reduction (kg/yr)). Note: we realize final construction costs may not be known with certainty. Use your best estimate. **Rough estimates are okay for a pre-application.** [If your proposed project consists of project identification/assessment or development, provide your best estimate of the types of projects you hope to investigate and their typical phosphorus reduction benefits.]

Identification/Assessment is proposed so no estimates are known at this point. According to Table 3 published in DEC Document, “Water Quality Restoration Formula Grant Target and Fund Allocation Methodology” published June 3, 2022, floodplain/stream restoration projects have an average cost-efficiency of \$16,647 kg/year, river corridor/easements average \$10,041 and riparian buffer restoration projects average \$5,116

5. PROJECT BUDGET SUMMARY

Rough estimates are okay for a pre-application

a. BUDGET TABLE:

Expense/Item	Grant Request	Leverage / Match Funds	TOTAL
APPLICANT			
Project Management/Completion: staff expenses including salary and fringe benefits: be sure to budget for needed staff time for deliverables preparation and reporting tasks	\$2,816		\$2,816
Volunteers or ad hoc employees			
Mileage Charges (use Federal 2023 rate of 65.5 cents/mile)			
Supplies / Materials not purchased by contractors			
Equipment Rentals or Equipment Use charges			
SUBCONTRACTORS			
Project Identification/Assessment /Development efforts	\$24,000		\$24,000
Engineering/Design Services for 30% Design or Final Design			
Construction Management/Oversight Services			
Construction Services			
Other eligible costs (see 2023 CWIP Funding Policy)			
<i>Project Completion</i> SUBTOTAL			
Indirect**: If you have a negotiated indirect rate, you typically charge, please use that. Otherwise, you may charge up to 10% on the first \$50,000 of non-staff costs.	\$2,163		\$2,163
<i>Project Completion</i> TOTAL (<i>Project Completion</i> SUBTOTAL + Indirect)	\$28,979		\$28,979

Procurement of subcontractors: For a pre-application or grant application, provision of prior proof of competitive procurement is not required. However, Subcontractors such as engineers/designers and construction services must be competitively procured either before or during the duration of the grant. Subgrantees will have to demonstrate that engineering/design services were sought from at

least three firms prior to attaching a quote from a firm. For applications with Implementation/Construction costs, Implementation/Construction services must be competitively procured.

Please describe your plan for procurement. If your project is a continuation of a project previously funded by the Basin 5 CWSP you may continue to use that same engineering design firm for subsequent phases.

RFP issued to CCRPC's pre-qualified pool of eight firms on April 12th, proposals due May 1.

Future costs: if you are only seeking funds for Preliminary (30%) Design or Final (100%) Design, please provide a rough, "ballpark" estimate of anticipated Construction Costs. This information is needed for the Basin 5 CWSP to determine whether it is worth it to fund design services in the first place. Rough estimates are okay for a pre-application. For example, you could just provide examples of what other similar projects have cost.

Click or tap here to enter text.

6. Co-benefits: describe how your project provides any of the following co-benefits
Completion of this section is optional for a re-application. Minimal text is okay for a pre-application. Completion of this section will be required for a final application.

Flood Resilience: Any streambank/restoration project should also improve flood resilience.

Hazard Mitigation (other than flood resilience): If a culvert upsizing project is eventually pursued that will definitely reduce the chances of damage to the culvert.

Education: Click or tap here to enter text.

Ecosystem Improvement (recreation/tourism, water supply, carbon sequestration, pollutant filtration) note: water quality improvement is a given: Click or tap here to enter text.

Local Pollution Prevention: (nitrogen, metals/pathogens, other contaminant): to the extent sediment is deposited and captured, then contaminants in water will be reduced.

Habitat Improvement (restores habitat and/or connectivity, promotes native species and/or removes native species, protects RTE species, protects significant natural communities): if a stream/floodplain restoration project is eventually implemented this should definitely restore habitat and connectivity.

Other Environmental Benefit not noted above: Click or tap here to enter text.

Part of a project that also addresses a Permit Requirement of a Public or Non-Profit Entity: Click or tap here to enter text.

Community Support: Click or tap here to enter text.

Environmental Justice (engagement, honors knowledge, access to clean water & food, protects sacred resources) for Vulnerable communities: Click or tap here to enter text.

Services to Public such as aesthetics, recreation, mental health, etc.: Click or tap here to enter text.

7. OTHER CONSIDERATIONS Completion of this section is optional for a pre-application. Minimal text is okay for a pre-application. Completion of this section will be required for a final application.

LEVEL OF UNCERTAINTY: Please describe the level of uncertainty of any elements of your budget.

Low uncertainty. CCRPC will be able to include winning bid(s) in May 10th proposal to Council.

BARRIERS: Please let us know any potential barriers/complications to completing this project and how you plan to manage those challenges during the duration of the grant.

Unknown at this point. Completion of the proposed project will identify any barriers.

LANDOWNER COOPERATION: Please provide an overview of the relative degree of commitment from the landowner to allowing the project to (1) be constructed on their land. Is the landowner aware of the design life of the project and the need for visits during that time to the property for operations, maintenance, inspection & verification?

Unknown at this point. Completion of the proposed project will identify any landowner cooperation concerns.

OPERATIONS & MAINTENANCE: Please provide quantitative estimates of operation and maintenance costs on an annual basis where available. If not available, please provide qualitative estimates.

Unknown at this point.

DESIGN LIFE: What is the design life of the project once constructed?

[Click or tap here to enter text.](#)