REGIONAL PRIORITY PROJECT PRIORITIZATION PROCESS

PROJECT INFORMATION FORM

IF ADDITIONAL SPACE IS REQUIRED FOR ANY RESPONSE OR YOU WANT TO SUBMIT ADDITION DOCUMENTS , CLEARLY IDENTIFY THE DOCUMENTS WITH THE PROJECT NAME AND EMAIL THEM TO FKENNEY@ADDISONCOUNTYEDC.ORG.

DOWNLOAD AND SAVE THIS DOCUMENT TO YOUR COMPUTER, COMPLETE THE FORM, THEN CLICK THE SUBMIT BUTTON.

PROJECT NAME:

Middlebury Wastwater Treatment Facility Upgrade

TYPE OF PROJECT:

- [x] Infrastructure:
  - [ ] Water
  - [x] Wastewater
  - [ ] Broadband
  - [ ] Transportation
  - [ ] Public Facility
  - [ ] Other
- [ ] General Development:
  - [ ] Industrial
  - [ ] Commercial
  - [ ] Residential
  - [ ] Mixed
- [ ] Site/Facility Development for Specific Business
- [ ] Workforce Development
- [ ] Business Development
- [ ] Other:

PROJECT SPONSOR:

Organization Name	Town of Middlebury
Organization Mailing Address	77 Main Street, Middlebury, Vermont 05753
Organization Email	kramsay@townofmiddlebury.org
Organization Phone	(802) 458-8001

Contact info for the person submitting project information:

Name	Emmalee Cherington
Title	DPW- Director of Planning
Mailing Address	77 Main Street, Middlebury, VT 05753
Email	echerington@townofmiddlebury.org
Phone	(802) 388-4045

PROJECT PRINCIPAL(S) (if different than above):

Person 1:

Name	
Title	
Organization	
Mailing Address	
Email	
Phone	

Person 2:

Name	
Title	
Organization	
Mailing Address	
Email	
Phone	

PROJECT DESCRIPTION (5000 Characters):

The Middlebury Wastewater Treatment Facility (WWTF) was built in 1999 as a new facility on Industrial Park Road. WWTFs are required by their NPDES (National Pollution Discharge Elimination Survey) Permit to conduct an evaluation of the condition of the facility every twenty years. The study that was completed for the town includes a 20-year facility evaluation in addition to planning needed for the next 20 years. The study culminated in a preliminary engineering report (PER) determined that although the capacity of the plant is adequate for the next twenty-year permit cycle, some equipment requires replacement due to age, wear, corrosion, and obsolescence.

The current treatment process at the WWTF utilizes sequential batch reactors (SBRs), ultra-violet (UV) disinfection and high-temperature lime stabilization for biosolids. The PER recommended that the facility add primary treatment, convert the SBRs to a four-stage anoxic/oxic biological process, replace the UV disinfection with chlorine disinfection and replace the lime pasteurization process for biosolids with an anaerobic digestion facility. The proposed facility will utilize energy created in the anaerobic digestion process to offset energy requirements of the facility.

PROJECT LOCATION (3000 characters):

Provide the physical location of the project and/or the area to be served by the project

The proposed project will be located on the site of the existing wastewater treatment facility, located at 243 Industrial Avenue, Middlebury, VT.

PROJECT PURPOSE AND BENEFITS (3000 Characters):

Describe the purpose and benefits to the region of the project. Describe if/how the project builds capacity within the region for improved regional development/economic development/ community development, including: advancing workforce development; expanding entrepreneurship efforts; supporting or enhancing existing business clusters, or other economic impacts within the region.

The Middlebury Wastewater Treatment Facility provides health, sanitation and security to the Town of Middlebury and surrounding area. The primary function of the facility is to provide health sanitation of the wastewater generated by the community. This function protects community health and the environment and allows residents and businesses to operate in a secure way without endangering the environment or human safety. The proposed project will upgrade the existing facility and provide for sustained and continuing operation into the future.

The WWTF was upgraded in 1999. Many of its components, especially mechanical, have reached or exceeded their useful life. The purpose of the proposed project is to update antiquated equipment and increase efficiency within the facility. Most of the process upgrades involve the replacement of worn or obsolete equipment. The largest process cost component of the project will be the upgrade of the biosolids processing facility. The existing lime treatment process needs imminent replacement because its components are severely corroded.

The current sludge dewatering process is designed to allow for Class A Biosolid land application. There is growing concern that state regulations may change to ban all products that contain wastewater biosolids due to the potential for PFAS contamination. If such legislation is passed, it would be in the Town's best interest to limit the amount of biosolid produced, to minimize the cost of disposal. The proposed project would help to achieve this goal, saving the community from related cost increases.

PROJECT TIMELINE, MILESTONES, AND STATUS (3000 Characters):

Describe the project timeline, the current status of the project, and impediments to proceeding. Include factors such as site control, engineering and design, financing/funding identification and commitment, and permitting. Clearly identify where the project is in the timeline and what work remains.

The Town hired the engineering firm, Tata & Howard to complete a Preliminary Engineering Report (PER) that outlined the current condition of the plant and considered the next 20-year lifespan. The PER reviewed alternatives and presented recommendations for consideration. The next phase in development is Final Design. The Town has issued a Request for Qualifications (RFQ) to select an Engineering firm for the final design. Once approved by the Infrastructure Committee and the Selectboard (scheduled for November and December meetings), the Town will work with the firm to secure an engineering agreement contract, to be approved by the state. The Town will be submitting this project to the state Clean Water State Revolving Fund (CWSRF) priority list for design and construction in January 2023. The design phase of the project will likely require 12-18 months given the complexity and permitting requirements. Dependent on funding, the construction will follow as soon as design is complete.

PROJECT PRINCIPAL EXPERIENCE/PARTNERSHIPS (3000 Characters):

Describe project principal(s) experience, ability to complete the project, and describe any projects partnership(s) and how the partnership(s) will help ensure success.

The WWTF project will be managed by the Department of Public Works (DPW) Director of Planning. The Director is responsible for managing all Capital Improvement Projects (CIP) for the town including water, wastewater, stormwater, and highway improvements. The work is generally funded through a variety of revenue sources in addition to the annual CIP budget. For example, funding sources have included: Clean Water and Drinking Water State Revolving Loan funds (CWSRF/DWSRF), Vermont Agency of Transportation Environmental Mitigation Grants, Clean Water Block grants, Transportation Alternatives grants, Northern Borders Regional Commission grants. The Director works closely with the Project Engineer to oversee the proposed construction.

PROJECT SUPPORT AND REGIONAL NEED (4000 Characters):

Describe how the project is consistent with identified local and regional goals, advances regional needs identified in plans, reports or public forums, and describe the community support and engagement. Include reference and link to the municipal and/or regional plan, report, or forum identified. Also describe how the project leverages regional human, social, financial, cultural, and/or physical capital, and supports, compliments, or enhances existing efforts.

The WWTF being utilized for the Town sewer system is outdated and not as energy efficient as the treatment facility proposed. To allow growth in both the residential and commercial sectors of Town, it is imperative that the wastewater treatment facility receive updates. There are no alternative wastewater systems for the stakeholders involved.

PROJECT COST, IDENTIFIED AND COMMITED FUNDS/FINANCING, AND FUNDING GAP:

Provide the total project cost and complete the simple sources and uses chart.

Total Project Cost: $ 21,000,000

Sources: Source	Amount	Uses: Use	Amount
Engineering	$ 0	Engineering	$ 1,000,000
Construction	$ 0	Construction	$ 20,000,000
Total Sources:	$ 0	**Total Uses:**	$ 21,000,000

Funding Gap: $ 21,000,000

Note: Uses must exceed sources or there is no funding gap

Budget Narrative (3000 Characters):

Describe the amount of funds/financing that have been identified and include a clear status of the funds (Received, committed, applied for, identified, etc.) including the dates of receipt, commitment, application, expected distribution, etc. Clearly identify any funding gap.

There is currently a $21,000,000 funding gap for this project.

The project is pursuing funding through the state CWSRF. The Town will submit for the CWSRF priority list in January 2023. The Preliminary Engineering Report and contracting a design Engineer for Final Design will increase the Town's scoring in the award process. Additionally, if support is demonstrated through the Regional Priority list, it will also increase the Town's award chances.

The town will also pursue funding through USDA- Rural Utilities Service Water and Environmental Programs (WEP).

JOB CREATION (4000 Characters):

Provide the number of full-time jobs to be created and/or retained by the project, a description of the benefits package to be offered to the majority of the new/retained jobs, and the average wage of the jobs to be created/retained.

The Wastewater department consists of five year-round, full-time employees, supported by the Director of Operations, Director of Planning, the Department of Public Works Office Administrator, and nine individuals from the Highway Department. The Town provides full benefits and a pension to all full-time staff members. The proposed wastewater facility will support the projected growth in the Town of Middlebury both on a commercial and residential level.

CLEAR FORM

PRINT FORM

SUBMIT PROJECT