REGIONAL PRIORITY PROJECT PRIORITIZATION PROCESS

PROJECT INFORMATION FORM

DOWNLOAD & SAVE THIS DOCUMENT TO YOUR COMPUTER, COMPLETE THE FORM, SAVE, AND EMAIL ATTACHMENT TO FKENNEY@ADDISONCOUNTYEDC.ORG. IF ADDITIONAL SPACE IS REQUIRED FOR ANY RESPONSE OR YOU WANT TO SUBMIT ADDITION DOCUMENTS, CLEARLY LABEL THE DOCUMENTS WITH THE PROJECT NAME & SEND ATTACHMENTS WITH THE FORM.

PROJECT NAME:

Exchange Street Waterline Redundancy Improvements

TYPE OF PROJECT:

- [x] Infrastructure:
  - [x] Water
  - [ ] 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	echerington@townofmiddlebury.org
Organization Phone	(802) 388-4045

Contact info for the person submitting project information:

Name	Emmalee Cherington
Title	DPW- Director of Planning
Mailing Address	77 Main Street, Middlebury, Vermont 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 - Provide a brief (2-3 sentence) description of the project. (500 character limit):

The goal of this project is to make improvements to the water distribution network on Exchange Street to increase reliability and provide redundancy for maintenance. This project would provide immediate benefit to the system users in the Industrial Park.

DETAILED PROJECT DESCRIPTION (5000 Characters):

The water distribution network on Exchange Street is composed of 12" Ductile Iron and Cast-Iron pipe that has experienced a number of deficiencies over the years. The water line is the only distribution line that serves the Industrial Park (AgriMark, AquaVitea, Cooperative Creamery, UVM Medical centers, etc). When a break occurs, there are large shut-off areas due to the lack of adequate valving. This greatly impacts the bottom line of the businesses in the Industrial Park. Given the number of deficiencies, line replacement is more cost-effective than fixing the breaks occurring.

The Town would phase the distribution improvements to limit disruption to consumers. The initial investment would be to install a line parallel to our wastewater gravity line (via easement through Agri-Mark Inc.) from Catamount Park to Pond Lane. This line would provide redundancy to Maneilli Road, Pond Lane, Industrial Avenue and the more eastern portion of Exchange Street. Secondly, the Town would explore installing a water line on Happy Valley Road, which would tie into the eastern leg of the Exchange Street distribution. This additional connection would provide redundancy and would also loop the network, which would reduce pressure surges in that segment. The final component of the project would be to replace the 4400 feet of distribution line on Exchange Street. There would be minimal impacts to businesses given the built in redundancy.

In addition to building redundancy in the distribution lines, the intent of this project is to install a sufficient number of valves to minimize inconvenience and sanitary hazards during repairs. It is recommended that valves be located at not more than 500-foot intervals in commercial districts and not more than one block or 800-foot intervals in other districts. The stretch of waterline from Catamount Drive to Mainelli Road does not have sufficient valve placement. Given the usage in the Industrial Park, the Town would also like to install pressure relief valves within this portion of the system, to help offset the pressure fluctuations during high-demand periods.

PROJECT LOCATION (3000 characters):

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

The project would be located in the Industrial Park, to better serve the users within that area. The initial phase would involve installing a waterline on the western limits of Pond Lane, across the western boundary of 869 Exchange Street to 793 Exchange Street and connecting to the existing 8" Ductile Iron line on Catamount Park. The second phase would investigate the viability of providing distribution on Valley View Road, crossing to Exchange Street. The third phase would involve replacement of the Exchange Street line.

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 economic development or community development, builds capacity in the region for improved economic and community development, and/or advances the goals and objectives of the region's Comprehensive Economic Development Strategy (CEDS) and/or regional plans, and addresses the most pressing needs of the region.

The Town of Middlebury is working with Aldrich & Elliott to develop an Asset Management Plan (AMP) for the town water distribution system. This project includes the evaluation of the existing facilities, including but not limited to, source, treatment, storage, and distribution system. The objective was to identify deficiencies within the Town of Middlebury Water System and outline needed improvements. During the development of the AMP, the watermains within the system were evaluated based on age, probability and consequence of failure (rated from 1 to 5 as well as redundancy, rated from 0 to 1). Higher numerical values represent poorer scores and higher levels of risk.

The water distribution network on Exchange Street is composed of 12" Ductile Iron and Cast-Iron pipe that has experienced a number of breaks and deficiencies over the years. The water line is the only distribution line that serves the Industrial Park (AgriMark, AquaVitea, Cooperative Creamery, UVM Medical centers, etc). When a break occurs, there are large shut-off areas due to the lack of adequate valving. This greatly impacts the bottom line of the businesses in the Industrial Park. Given the number of deficiencies, line replacement is more cost-effective than fixing the breaks occurring, and allows better guarantee for service.

The Middlebury Water Department is dedicated to ensuring the community is provided with safe, sustainable, well-maintained and financially sound infrastructure. The Town has developed a level of service agreement was developed for the Water System which outlines external and internal goals for the following categories:

- Public Health & Safety
- System Maintenance
- Customer Service

To achieve this Level of Service, the Town recognizes the need to invest in infrastructure and make improvements to improve customer reliability.

PROJECT TIMELINE, MILESTONES, AND STATUS (3000 Characters):
Describe the project timeline, the current status, 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 within the project timeline and what work remains.

Otter Creek Engineering has been asked to provide an Engineering cost estimate for the first phase of the work. It is anticipated that the effort will span several years to complete.

Construction of Phase 1 in 2025.

Engineering of Phase 2 in 2025

Construction of Phase 2 in 2026

Engineering of Phase 3 in 2026.

Construction of Phase 3 in 2027.

PROJECT PRINCIPAL EXPERIENCE/PARTNERSHIPS (3000 Characters):
Describe project principals' experience managing federal or state grants, and/or successfully developed similar business models, their ability to complete the project, and describe any partnerships that will help ensure success.

The waterline improvement 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.

Construction oversight will be performed by Otter Creek Engineering.

PROJECT SUPPORT AND REGIONAL NEED (4000 Characters):

Describe how the project is consistent with identified local and regional goals, advances regional needs identified in the region's CEDS and/or regional plans or is supported by reports or public forums. Describe the community support for the project and any community engagement that has occurred. Include reference and link to region's CEDS, the municipal and/or regional plan, and reports, or forums identified. Also describe how the project leverages regional human, social, financial, cultural, and/or physical capital, and supports, compliments, or enhances existing efforts.

The Industrial Park has been recognized as an area for economic development by providing a centralized location that offers expansion for public and private efforts; allowing for retention and attraction, of desirable private industry in Addison County; There are currently several businesses operating in the Industrial Park and surrounding area, including dairy cooperatives, distilleries, medical centers, schools. These businesses provide job security in the region.

Water service disruption is extremely costly to the bottom line of these businesses. Many involved in processing have experienced shut offs that required the manufacturer to dispose of the entire days' production. The impacts expand beyond the immediate business, as the supply chains are interconnected to the broader community, including local farms, businesses, packaging and distribution providers. For example, AquaVitea is a producer of organic kombucha, adding approximately $41,000,000 to the retail economy. In addition to producing, bottling and shipping their products, they have partnered with Urban Moonshine to distill alcohol used in developing tinctures within the plant. Citizen Cider provides cider to AquaVitea, and the two businesses share equipment, ingredients and shipping. Similarly, AquaVitea provides packaging and storage to Whistlepig, and package Barr Hill Gin. These relationships require a consistent, potable water source.

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: $ 3,454,400

Sources:

Source	Amount
SRF Forgiveness (anticipated)	$ 750,000
Total Sources:	$ 750,000

Uses:

Use	Amount
Engineering	$ 85,000
Construction	$ 3,194,400
Construction Engineering	$ 125,000
Administrative	$ 50,000
Total Uses:	$ 3,454,400

Funding Gap: **$ 2,704,400**

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. Also, identify the type of resource (cash, grant, loan, sponsor in-kind, third party in-kind, etc.) and describe which resources can serve as a match, noting that, for example, some grant sources do not allow matching federal funding with other federal funds. Clearly identify any funding gap and identify the state or federal resources that you expect might help fill the gap.

Happy Valley Road extension to improve hydraulics to Exchange Street and Fire Flow to Painter Hill–

- 3,500 LF of waterline addition
- Estimated engineering cost- $30,000
- Estimated construction cost -$894,400

Exchange Street, Mainelli Road, Pond Lane- Improve redundancy, hydraulics and fire flow.

- 4,400 lf of 12" Ductile Iron waterline replacement.
- Estimated engineering cost- $55,000
- Estimated cost -$2,300,000

The Town will submit for DWSRF funding to help support the project. If selected, the project would qualify for $750,000 loan forgiveness. The Town will also apply for Congressional spending to support the project.

JOB CREATION (4000 Characters):

Provide an estimate of the number of permanent and temporary jobs to be retained and/or created by the project, including the period of time over which new jobs will be created.

The Water department consists of four 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 water tank will support the projected growth in the Town of Middlebury both on a commercial and residential level.
The proposed project relates to engineering and construction, temporary positions will be associated with the implementation of the design. Additionally, the project supports the Industrial Park and the larger community of Middlebury. Developers must be guaranteed water to be willing to invest in the creation of affordable housing. Therefore, waterline improvements are crucial for the vitality of the hiring and retention marketplace for Middlebury and Addison County employers. Strong employment opportunities also increases the demands on local housing. Therefore, a reliable water system is necessary to provide a desirable location to live and work.

CLEAR FORM

PRINT FORM