



VERMONT

ENVIRONMENTAL CONSERVATION

Water Supply Division

APPLICATION

Vermont Drinking Water State Revolving Fund Letter of Intent Priority List Application for Water System Improvement Projects

1. Water System Name		2. WSID Number
Contact Person – Authorized representative to make commitments for organization		
3. Name -		4. Title -
5. Mailing address -		
6. Telephone -		7. Fax –
8. Email -		
9. Ownership Type - <input type="checkbox"/> Municipal <input type="checkbox"/> Home Owners Association <input type="checkbox"/> Individual <input type="checkbox"/> Private		10. Financial status
School <input type="checkbox"/> Corporation <input type="checkbox"/> Other (explain)		<input type="checkbox"/> Profit <input type="checkbox"/> Non-profit
11. If private Non-profit, is the organization tax exempt? Yes <input type="checkbox"/> or No <input type="checkbox"/>		

PROJECT COSTS & FUNDING SOURCES

12. Estimated total project cost - \$	15. List other funds for project	Amount
13. Estimated DWSRF project loan - \$		
15. Basis of estimate -		

PROJECT SCHEDULE

16. Target application date for this loan -	17. Target bond vote date –	18. Target construction start date –
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PROJECT DESCRIPTION FOR THE PURPOSE OF THIS LOAN

19.

LOAN WILL INCLUDE (see instructions)

- A) Feasibility study/preliminary engineering B) Final design C) Construction D) Land purchase
E) Conservation easement F) Consolidation of a water system

20. Estimated loan amount for the purpose(s) identified above: \$

BRIEFLY DESCRIBE ANY WORK ALREADY DONE ON THE PROJECT (e.g. feasibility studies, preliminary engineering, design or construction)

21.

WATER SYSTEM SERVICING

22. Current permanent year round resident population served by water system:
23. Current transient population (non-resident) served by water system:
24. Current number of service connections:
25. Population to be served by the proposed project:
26. Number of new service connections to be served by proposed project:

WATER SYSTEM RATE & USER BASE

27. Water bills are based on: flat rate metered rate or both tax rate (**Attach Your Rate Schedule**)
28. What is the household water rate:
29. What is the total number of equivalent units served by the water system?
30. Projected annual operations & maintenance cost per household: \$
31. Current annual debt retirement cost of previous water system projects per household: \$

ENGINEERING CONSULTANT FIRM

32. Firm/agency name:
33. Mailing address:
34. Telephone: 35. FAX: 36. Email:

SIGNATURE

As Authorized Representative, I Hereby Certify That The Foregoing Information Is True And Correct To The Best Of My Knowledge.

Authorized Representative

Date

System Improvement Information

PLEASE CHECK THE LETTER OF ALL THAT APPLY. Points are only awarded for the deficiency corrected which addresses the highest health risk and compliance concern, and represents a significant portion of the total project cost.

- A. Microbiological Contaminated Source, 120 points.** Project will replace a documented contaminated source.
- B. Contaminants above MCL, 120 points.** Project will correct a deficiency resulting in water being delivered to consumers exceeding an MCL. This project may be a new source, replacement of contaminated equipment, piping, or treatment.
- C. Unapproved source of water, 110 points.** Water system is routinely using a non-Water Supply Division permitted water source that requires a boil water or do not drink advisory. The project may include a new source or approval of the existing unapproved source.
- D. Action level above DOH and DEC established levels of concern for eight chemicals (benzene; carbon tetrachloride; vinyl chloride; dibromochloropropane (DBCP); 1,2 dichloroethane; 1,2 dichloropropane; hexachlorobenzene, and tetrachloroethylene), 100 points.** Points will also be awarded for other chemicals when DOH expresses a similar level of concern. Project may include a new source, treatment or removal of a contamination source.
- E. Inadequate filtration performance, 100 points.** Documentation of inadequate performance should be available. This deficiency applies to filtration to control microbiological contamination or treatment to reduce an MCL contaminant. Inadequate filtration or other equipment to control secondary contaminants does not meet this criteria.
- F. No treatment for under the influence of surface water, 95 points.** These points are awarded in those instances when a source has not been determined to be microbiologically contaminated; a) applies in those cases.
- G. Inadequate chlorination or disinfection facilities, 95 points.** These points would be awarded to projects where water systems are required to continuously disinfect and maintain chlorine contact time. A project to provide equipment, controls or storage for the contact time could receive these points.
- H. Daily or routine water shortages, 95 points.** These shortages should require either water conservation measures by customers, water hauling or use of an emergency source.
- I. Lack of standby disinfection facilities, 90 points.** These points could be awarded for all community systems without these facilities and for NTNCs where bacteriological sampling or source risk assessment justifies a recommendation for such facilities.
- J. Finished storage vulnerable to contamination, 90 points.** These points could be awarded to correct a deficiency such as a reservoir with a leaking roof or within a building that is not insect or rodent proof.
- K. Lead and Copper corrosion control, 80 points.** These points may be awarded for treatment systems needed to correct lead and copper corrosion control problems.
- L. Contamination below MCL, 80 points.** These points may be awarded if the project is being undertaken to treat or eliminate contamination of a regulated contaminant below an MCL.
- M. Seasonal water shortages, 70 points.** These points may be awarded if a water system experiences water shortages seasonally requiring hauling or water conservation measures. Improvements may include new source, increases in pump sizes or mains or treatment facilities, or replacement of leaking water mains.
- N. Routine pressure below 20 psi in distribution system, 70 points.** Points may be awarded if pressure falls below 20 psi regularly on a weekly basis. Project may include storage, pumping, source, distribution or transmission facilities.
- O. Source vulnerable to PSOCs, 60 points.** Points will be awarded if project is being undertaken to eliminate potential sources of contamination of a water source.
- P. Pressure under 20 psi during fire flow, 60 points.** Points may be awarded if pressures will drop below 20 psi in the distribution system during system expected fire flows. Project may involve storage, transmission, pumping or distribution facilities.
- Q. Redundancy of critical components, 50 points.** Points may be awarded if project will provide redundant facilities such as pumps, sources, storage or treatment facilities.
- R. Iron, manganese, and other secondary contaminants, 50 points.** Points may be awarded if project will eliminate or minimize secondary contaminant problems. Project may involve replacement of piping, treatment facilities or new source.

- S. Inadequate finished storage construction, 50 points.** Points may be awarded to replace or repair storage facilities. Routine operation and maintenance costs are not eligible.
- T. Inadequate transmission main, 40 points.** Points may be awarded to repair or replace transmission mains. Routine operation and maintenance costs are not eligible.
- U. Inadequate finished storage capacity, 40 points.** Points may be awarded to provide additional storage capacity.
- V. Inadequate pumping facilities, 30 points.** Points may be awarded to replace or repair pumping facilities. Routine operation and maintenance costs are not eligible.
- W. Lack of reserve capacity, 30 points.** Points may be awarded to provide system reserve capacity recommended by the Water Supply Rule. Project may include source, pumping, transmission mains or treatment facilities.
- X. Inadequate cross-connection control, 30 points.** Points may be awarded to correct existing or potential cross-connection problems.
- Y. Inadequate distribution facilities, 20 points.** Points may be awarded to replace or repair distribution facilities. Routine operation and maintenance costs are not eligible.
- Z. Inadequate backwash, 20 points.** Points may be awarded to correct inadequate back wash facilities. Projects may include pumping, storage, and backwash disposal facilities.
- AA. Routine distribution pressure below 35 psi, 20 points.** Points may be awarded if project will correct distribution system pressures below 35 psi. Project may include pumping, storage, or distribution facilities.

Security Projects – Projects receiving technical points A through AA listed above, will be awarded the following additional points for security improvements.

- AB. Security Improvements, 20 points** - Points may be awarded if project will provide security improvements to water system infrastructure. In order to receive 20 points the project must solely be a security project.
- AC. Security Improvements, 5 points** - Points may be awarded if project scope includes security improvements in addition to other facility deficiency improvements. Project may include fencing and gates, alarm and detection systems, lock systems or other security type improvements necessary for critical infrastructure protection.

PRIORITY LIST APPLICATION INSTRUCTIONS

This application is for use by all water systems and for various types of projects. Some questions may not be appropriate for your particular water system, or the choices for your response may not be complete. Please use attachments if necessary to adequately respond to specific questions.

Assistance in completing the application is available from:

- Eric Blatt, Engineering & Financial Services Section Chief, (802) 241-3425
- Bryan Redmond, DWSRF Program Development Specialist, (802) 241-3408 (contact for construction loans)
- Eric Law, DWSRF Project Development Specialist, (802) 241-4656 (contact for planning and design loans)
- Ashley Lucht, Capacity Development Specialist, (802) 241-3424

- 1-2. Self explanatory.
- 3-8. Name of individual and contact information of a person that will have authority to furnish information, data and documents pertaining to the project. Please include the title to the water system, i.e., Responsible Person, Prudential Committee, Town Manager, Principal, etc.
- 9-11. Ownership Type – check the type of organization that owns the water system.
Examples: Municipality, Homeowners Association, Individual, Corporation, Public School District, Private School, etc. Ownership Financial Status: List profit or non-profit and if non-profit are you tax-exempt.
- 12. Please provide the estimated total project cost to plan, design and construct the improvements.

13. Estimate the loan amount that will be requested from the State of Vermont DWSRF Program for the total project (planning, design and construction).
14. List other sources of available funds for the project. The total funds identified for this item (14) plus the total loan amount (item 13) should equal the total project cost estimate (item 12).
15. Basis of Cost. Some examples include: a) Engineer's estimate; b) Feasibility study; c) Operator estimate; d) Construction bids; e) Previous construction costs; f) Actual costs (with short term financing); g) Option to purchase land or easement.
- 16-18. Self explanatory.
19. Project Description. Please provide a brief description of the project. Some examples include:
 - a) Replace 1,000 feet of transmission main; b) Replace 500 feet of water distribution main; c) Construct 10,000 gallon storage tank; d) Install standby chlorination and 50,000 gallon storage tank; e) Purchase land or obtain easement for source protection; f) improvements necessary for security protection of critical infrastructure. (A detailed description of need for land purchase or conservation easement should be provided which identifies potential sources of contamination addressed including their location relative to the water source.)
20. Self explanatory.
21. Briefly describe work completed to date. Some examples include: a) Preliminary Engineering complete; b) Bond Vote passed; c) Construction bid documents complete; d) Property/rights of way obtained; e) Project under construction; f) Permit to Construct obtained; g) Construction complete (with short term financing); h) Option to purchase easement or land obtained.
- 22-23. Self explanatory.
24. Enter current number of service connections, e.g., a 20-unit apartment building is 20 connections, a four-bedroom house is one connection.
- 25-26. Self explanatory.
- 27-28. Self explanatory.
29. For systems serving non-residential users i.e., schools, businesses, etc., these organizations are often assigned a specified number of equivalent units for billing purposes. Please list the total number of equivalent units used for billing purposes. For example, a system may serve 50 homes and a school; the school may be considered equal to 10 homes. The total number of equivalent units would be 60.
- 30-36. Self explanatory.

Please return this application to the DWSRF program at the following address:

This (fact sheet/form/application) and related environmental information are available electronically via the internet. For information visit us through the Vermont Homepage at <http://www.vermont.gov> or visit VT WSD directly at <http://www.vermontdrinkingwater.org>

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