

Project Name: \_\_\_\_\_ Location (City/County) \_\_\_\_\_

VIRGINIA DEPARTMENT OF HEALTH (VDH)  
OFFICE OF DRINKING WATER (ODW)  
FINANCIAL AND CONSTRUCTION ASSISTANCE PROGRAMS (FCAP)

**RETURN APPLICATION TO:**  
Virginia Department of Health  
Office of Drinking Water  
109 Governor Street, 6th Floor  
Richmond, VA 23219  
(Voice: 804-864-7501)  
(FAX: 804-864-7521)

*Year-Round Submittals Accepted*  
**DWSRF & Leap deadline May 6, 2022**  
**BIL deadline April 8, 2022**

**Note: Submit two complete and signed hard copy applications and two copies of all required attachments to the address shown at the left before the application deadline**

**APPLICATION FOR CONSTRUCTION FUNDS**

Application also available at: <https://www.vdh.virginia.gov/drinking-water/fcap/drinking-water-funding-program/>

**TYPE OF FUNDING REQUESTED**

Drinking Water State Revolving Fund (DWSRF)  Bipartisan Infrastructure Law (BIL)  Either   
Lead Service Line and other Lead Projects should use the separate LEAP Application

If you selected Bipartisan Infrastructure Law (BIL) or Either above, indicate which category below. If the application is not specifically for an emerging contaminants or lead service line (LSL) then check the box for Supplemental:

Emerging Contaminants  Lead Service Line (LSL)  Supplemental

***Applicants are advised to schedule the required Funding Application Discussion with the appropriate ODW Field Office 30 days prior to deadline.***

**PRE-REQUIREMENTS FOR FUNDING**

If you answer **YES** to either of these questions; **STOP** as you are not eligible to apply for funds.

- 1. Have you been debarred or suspended from applying for state or federal funds?  Yes  No.
- 2. Is your waterworks state, federally, or tribally owned?  Yes  No.

**PRE-REQUIREMENTS FOR CONSTRUCTION APPLICATIONS**

If you answer **NO** to any of these questions; **STOP** as you are not ready to apply for construction funds.  
**Please contact us to work with you on planning the project.**

- 1. Are you either a community or non-profit noncommunity waterworks? (or will become one?)  Yes  No.
- 2. Have you had a Funding Application Discussion with ODW's Field Office?  Yes  No.
- 3. Source –  Not Applicable-project is for new well, or I am filing for a consecutive waterworks.  
Do you have an adequate drinking water source or source agreement contract?  Yes  No.  
If yes, provide documentation from ODW's Field Office that the source or contract is adequate.
- 4. User Agreements for new service area customers -  Not Applicable  
Do you have executed agreements or commitments from your initial survey from a majority of customers in the project area?  Yes  No.  
If yes, please provide an area map indicating existing potential connections and indicating those committed.  
NOTE: Mandatory hook-up ordinance does not substitute for obtaining agreements or commitments to connect.
- 5. Do you currently or will you have less than three open DWSRF projects by July 1, 2022 (prior to the next awards)?  Yes  No.
- 6. Do you have a current Asset Management Plan **or** is a request included in this application?  Yes  No.

**SECTION A - PROPOSED FINANCING**

- 1. a. VDH Funding Assistance Needed \$ \_\_\_\_\_

b. Other Funds Available, provide details below: --

	<u>Amount</u>	<u>Name/Type of Funds</u>	<u>Status of Other Funding</u> (Approved, pending, indicate loan terms, and date available, etc.)
1	_____	_____	_____
2	_____	_____	_____

	<u>Amount</u>	<u>Name/Type of Funds</u>	<u>Status of Other Funding</u> (Approved, pending, indicate loan terms, and date available, etc.)
3	_____	_____	_____
4	_____	_____	_____

Subtotal: \_\_\_\_\_

c. Total Project Cost (1a + 1b) = \$ \_\_\_\_\_.

**Provide funding documentation as Attachment K-1.**

2. Do you have any outstanding debt related to the water and sewer system?  Yes  No

If yes, have you requested that new debt be issued on parity with the old?  Yes  No

**Provide documentation as Attachment K-2.**

**SECTION B – PROJECT, ORGANIZATIONAL, AND CONTACT INFORMATION**

1. Project Name: \_\_\_\_\_ Location (City/County) \_\_\_\_\_

2. Waterworks info:  New  Existing  
 Community PWS ID number: \_\_\_\_\_ System Name: \_\_\_\_\_  
 Nonprofit noncommunity PWS ID number: \_\_\_\_\_ System Name: \_\_\_\_\_  
 Ownership Type:  Publicly owned  Investor/privately owned  Other: Explanation: \_\_\_\_\_

3. Legal Owner of Waterworks or Authorized Agent:  
 a. Name: \_\_\_\_\_  
 b. Address: \_\_\_\_\_  
Street Address/P.O. Box Town/City State ZIP  
 c. Contact Person: \_\_\_\_\_  
 d. Telephone Number: \_\_\_\_\_ Alternate Number: \_\_\_\_\_  
 e. FAX Number: \_\_\_\_\_ E-mail Address: \_\_\_\_\_  
 f. Federal UEI #: \_\_\_\_\_ CCR # \_\_\_\_\_

4. Engineering Consultant (If applicable):  
 a. Firm Name: \_\_\_\_\_  
 b. Address: \_\_\_\_\_  
Street Address/P.O. Box Town/City State ZIP  
 c. Preferred Contact Info:  
 Contact Person: \_\_\_\_\_  
Name Title  
 Telephone Number: \_\_\_\_\_ Alternate Number: \_\_\_\_\_  
 E-mail Address: \_\_\_\_\_ Alternate E-mail Address: \_\_\_\_\_  
 FAX Number: \_\_\_\_\_

**SECTION C – PROPOSED PROJECT DESCRIPTION – Provide Documentation**

Please provide a brief summary and a detailed project description including a map/sketch depicting the project area and proposed facilities including length of waterlines, storage tank(s) sizes, etc. (Sketches on 8 ½ by 11 portions of topo sheets are adequate.)

**I. Brief Summary –**

- A. Briefly describe the public health issue, concern, or problem that this project intends to correct or address.** This can include resiliency, redundancy, reliability, climate change, or green project related issues. Attach supporting info as necessary.

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- B. Briefly describe the proposed project scope of work by size (e.g. diameter, volume, pump capacity) and units (e.g. linear feet for pipe and number for tanks and pump stations).**

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- C. Briefly quantify the benefits expected to be realized (or problems corrected) upon successful completion of the project.**

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**II. Demographics**

- A. Describe income levels in the proposed project area.**

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- B. Describe the community that benefits from the proposed project.**

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- C. Describe the type, number, and stories of structures (primary residences, vacation homes, industrial buildings, etc.) and amount of vacant land for the area that benefits from the projects. If the area contains a significant number of vacation homes or homes that are typically occupied less than half of the calendar year, then please provide details.**

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D. Median Household Annual Income (MHI) of area to be served \$ \_\_\_\_\_ /year

DATA AS ATTACHMENT K-3: Use the census block or latest update for county/city/towns (<http://data.census.gov>). Provide project specific income survey data for those projects not large enough to be identifiable via census information.

If you have applied or will apply to other funding agencies that require an income survey, attach the results to this application. For efficiency, consider doing income and user agreement surveys at the same time. For assistance, please contact VDH-ODW.

E. Environmental Justice

The Environmental Protection Agency (EPA) Environmental Justice Screening Tool EJSCREEN located at (<https://www.epa.gov/ejscreen>) will be utilized to help analyze the Environmental Justice benefits of project. Provide Census Tracts for the community benefiting directly from this project. \_\_\_\_\_

Has the community benefiting directly from this project lost jobs through the nation’s energy transition to clean energy? (Examples include coal production or supporting jobs lost or petroleum/natural gas production or supporting jobs lost.)  Yes  No.

If Yes, provide explanation and attach documentation. \_\_\_\_\_

**SECTION D - PROJECT ISSUES – Provide documentation as Attachment K-4 of each yes answer.**

Presented here are relative issues that need consideration for construction projects:

1. Health Issues	<u>Yes</u>	<u>No</u>
Is there a <i>Surface Water Treatment Rule</i> violation, i.e., inadequately treated surface water or groundwater under the influence of surface water?	<input type="checkbox"/>	<input type="checkbox"/>
Are there persistent <i>Total Coliform Rule</i> or nitrate standard violations?	<input type="checkbox"/>	<input type="checkbox"/>
Is there a continuing <i>Boil Water Notice</i> in effect? Reason: _____	<input type="checkbox"/>	<input type="checkbox"/>
Is there a Health Hazard declaration by the State Health Commissioner, a State Declared Emergency, or have you been issued a formal enforcement order?	<input type="checkbox"/>	<input type="checkbox"/>
Are there persistent PMCL violations for contaminants such as VOC, SOC, IOC, RAD etc.? (identify contaminate(s))	<input type="checkbox"/>	<input type="checkbox"/>
Are there Lead and Copper Action Levels Exceedances?	<input type="checkbox"/>	<input type="checkbox"/>
Are there known Lead Service Lines that are to be removed?	<input type="checkbox"/>	<input type="checkbox"/>
Does the waterworks have an Enforcement Targeting Tool (ETT) score $\geq 11$ ?	<input type="checkbox"/>	<input type="checkbox"/>
Will the project resolve conditions of inadequate quality and quantity of a groundwater source water supply?	<input type="checkbox"/>	<input type="checkbox"/>
Will the project ensure that drinking water receives appropriate treatment to protect the health of the consumers?	<input type="checkbox"/>	<input type="checkbox"/>
Will the project prevent conditions favoring the entrance of contaminants into the distribution system, e.g., inadequate pressure, inadequate storage, system water losses, etc.?	<input type="checkbox"/>	<input type="checkbox"/>
Are there inadequate individual water supplies documented via report and letter by the District Health Director to show health hazards?	<input type="checkbox"/>	<input type="checkbox"/>

Provide as **Attachment K-4** supporting report and data with representative samples from at least 50% of the homes in the project area. The samples are to be evenly spaced and all potential line segments sampled. The project map will illustrate the results and problem areas.

2. Regionalization – Has regionalization been considered? Will this project consolidate failing, non-complying, or underperforming waterworks or improve resiliency? Explain below:

**SECTION E –SCHEDULE AND READINESS TO PROCEED**

1. Readiness to proceed. This application assumes you have not initiated design or construction. IF this is not the case, please contact VDH.

- (a) For new service area customers, please document number of user agreements or commitments obtained in initial survey \_\_\_\_\_; \_\_\_\_\_ residential, \_\_\_\_\_ other.

*This initial survey must obtain executed agreements or commitments from at least a majority of the homes in the project area. Continuation of the initial survey is a requirement and the final survey result is intended to obtain 80% or more for the project to be feasible from a positive cash flow perspective. Provide as Attachment K-5 a project map indicating existing potential connections and indicating those committed. **NOTE:** Mandatory hook-up ordinance does not substitute for obtaining agreements or commitments to connect.*

- (b) Provide documentation that an adequate drinking water source or source agreement contract is available and that VDH Field Office has approved as **Attachment K-6**. The source agreement contract can be contingent on VDH approving the project construction.
- (c) Please provide a copy of the meeting minutes from the Funding Application Discussion. In addition, please provide letter reports, design notes, and the Preliminary Engineering Report for the project if they have been prepared as **Attachment K-7**.
- (d) New construction timeline – Use the Construction Project Schedule on our website to plan your project. This document will be required as part of the initial meeting if your project scores high enough to receive funding. The anticipated schedule must be provided below.

<u>ACTIVITY</u>	<u>ANTICIPATED COMPLETION DATE</u>
Engineering Procurement	_____
Submit PER	_____
Submit P & S	_____
Environment Review	_____
Advertise Project for Bid	_____
Open Bids	_____
Award Project	_____
Substantial Completion	_____

**SECTION F -STATISTICAL DATA**

1. Connections and Population:

ID	Data Description	Connections	Population <sup>(4)</sup>
a.	Existing residential		
b.	Existing total		
c.	Project residential <sup>(1)</sup>		
d.	Project total <sup>(1)</sup>		
e.	Future residential <sup>(2, 3)</sup>		
f.	Future total <sup>(2, 3)</sup>		

Notes:

- (1) New connections and/or existing connections that benefit from the project.
- (2) For a water line extension project, e. = a. + c. and f. = b. + d because new connections are being added. For any project that benefits existing connections only, e. = a. and f. = b., and then c. and d. will reflect how many existing residential and total connections, respectively, benefit from the project.
- (3) For a project that benefits existing connections (e.g. – water line replacement) **and** also adds new connections (water line extension) then c. and d. will reflect how many residential and total connections, respectively, benefit from the project (connections that benefit from the project + new connections). In this case, e. = a. + new residential connections added and f. = b. + new total connections added.
- (4) Provide population estimates based on the previous column (connections).

2. Water Usage and losses: - **Provide supporting documentation as Attachments K-9 and K-16**

- a. What is the current monthly average number of gallons of water used per residential connection? \_\_\_\_\_ gallons/month.  
Use total annual gallons billed for in–town residential customers divided by 12 months and divided by the total number of in-town residential customers.

b. Provide the percent of water loss within the system. Unbilled authorized consumption (e.g. firefighting) should be excluded.

Water losses as a percentage of total production. = \_\_\_\_\_%

- This percentage includes:  Real water losses (Physical losses from leaks/bursts in the distribution lines and tank overflows)  
 Apparent water losses (includes metering inaccuracies and unauthorized usage [theft/illegal use])

3. Individual water meters are on:

- All services  
 Only commercial accounts  
 Only residential customers  
 Some services: Provide additional information: \_\_\_\_\_  
 None are metered.

If none are metered, is metering included in this project?  Yes  No.

Explanatory statement, if appropriate:

4. Rates: **Attach rate schedules as Attachment K-8**

- a. Existing monthly water charges (explain here):  
 b. When were water rates last increased? **Please provide dates and amount/percentage of increase as Attachment K-8.**  
 c. What is your connection fee for water?  
 d. Are rate increases anticipated as a result of this project?  Yes  No  
 If yes, please provide the amount and percentage increase expected and the anticipated effective date for the increase(s).

5. Water Users

a. Service Area Jurisdictions	b. # of Existing Residential Connections	c. # of Project Residential Connections at Completion
_____	_____	_____
_____	_____	_____
_____	_____	_____

d. Existing drinking water usage \_\_\_\_\_ gpd. \_\_\_\_\_ % residential \_\_\_\_\_ % nonresidential

e. As **Attachment K-11**, identify Ten (10) Largest Users of the Water System and Estimated Monthly Consumption per user.

6. Determine Average Monthly Residential Water User Rate:

Provide an average monthly residential water user rate analysis **as Attachment K-10** - using VDH project only template.

Average Monthly Residential Water User Rate = \$ \_\_\_\_\_ /month

7. Target User Rates:

Target user rates are set as a percent of Median Household Income (MHI). The annual MHI utilized for a project is to be based upon the latest census figures or latest update for the city, town or county in which the waterworks is located. Multiply by 0.01 (or 1%) and divide by 12 months to get the monthly target rate.

$$\text{MHI (from item Section E, II, D. Above)} = \$ \frac{\text{_____}}{(12 \text{ months/year})} \times 0.01 = \$ \text{_____} / \text{month. This is your Target User Rate.}$$

8. Evaluate Current Rate Structure:

Does the value in Item 6 (water user rate) equal or exceed the value in item 7 (target user rate), above?

Yes  No

If you answered “Yes”, your waterworks/project may qualify as Disadvantaged. However, rate increases/adjustments may be required to meet debt obligations or pass a VRA credit review.

If you answered “No” then the information indicates the owner needs to adjust water rates to ensure adequate revenues. Having adequate financial resources is crucial to maintaining a successful and sustainable waterworks. Furthermore, EPA mandates that all borrowers receiving program assistance must demonstrate full financial capacity in order to receive funds.

Waterworks are expected to meet or exceed the target rate criteria at or before the time of project completion. VDH reserves the right to require a rate revision plan and implementation schedule acceptable to VDH.

**SECTION G – PROJECT BUDGET INFORMATION** – From PER or other sources, based on existing PWS’s financial statements

- 1. Administration, Legal Expense (should be less than \$10,000 each) \$ \_\_\_\_\_
- 2. Land, Right-of-Way \$ \_\_\_\_\_
- 3. Architectural/Engineering Basic Fees \$ \_\_\_\_\_
- 4. Other Architectural/Engineering Fees (PER, etc.) \$ \_\_\_\_\_
- 5. Project Inspection Fees \$ \_\_\_\_\_
- 6. Other (Explain. e.g. Lead Service Lines) \$ \_\_\_\_\_
- 7. Treatment Plant Construction \$ \_\_\_\_\_
- 8. Pump Station Construction \$ \_\_\_\_\_
- 9. Distribution System Construction \$ \_\_\_\_\_
- 10. Storage Tank Construction \$ \_\_\_\_\_
- 11. Equipment Purchase/Installation \$ \_\_\_\_\_
- 12. Contingencies \_\_\_\_\_ (up to 10% of the construction costs for PLANNING ONLY\*) \$ \_\_\_\_\_
- 13. Other – please specify (for example, Asset Management Plan, WBOP, Studies, etc.) \$ \_\_\_\_\_
- 14. Loan Closing Fee\*\* \$ \_\_\_\_\_ 6,000
- 15. **TOTAL** [Round to the nearest thousand] (should match Section A) \$ \_\_\_\_\_

\*During the planning process only, you may calculate contingency amounts up to 10% of the estimated construction costs. **Please note: the contingency amount that will be included in the final budget will not exceed 5% of the construction costs.**

\*\*VDH reserves the right to apply a closing fee of \$6,000 for all applicable loan offers to defray the cost of this service. The \$6,000 may be included in the principal of the loan. If VDH determines a loan closing fee does not apply it will be eliminated from the final budget.

**SECTION H – FINANCIAL DATA**

- 1. Annual Operation, Maintenance and Replacement (O, M & R). Estimated Cost for Proposed Facilities:-From PER or other sources based on existing PWS’s financial statements
  - a. Labor \$ \_\_\_\_\_
  - b. Utilities \$ \_\_\_\_\_
  - c. Materials \$ \_\_\_\_\_
  - d. Water Purchases \$ \_\_\_\_\_
  - e. Outside Services \$ \_\_\_\_\_
  - f. Miscellaneous Expenses \$ \_\_\_\_\_
  - g. Equipment Replacement \$ \_\_\_\_\_
  - h. Total O, M & R Cost \$ \_\_\_\_\_

2. Estimated Annual Water Facilities Costs - From PER or other sources based on existing PWS's **Financial Statements**
  - a. Net O, M & R (for existing water facilities) \$ \_\_\_\_\_  
USE Financial Statements
  - b. Existing Annual Debt Service for water system \$ \_\_\_\_\_  
USE Financial Statements
  - c. O, M & R for Proposed Facilities \$ \_\_\_\_\_
  - d. Total (Sum of a+b+c) \$ \_\_\_\_\_
3. Sources of Residential and Nonresidential Revenues as a Percentage of Total Annual Water Revenue
  - a. Residential \_\_\_\_\_%
  - b. Nonresidential \_\_\_\_\_%
4. For the proposed project - Provide a six-year cash flow analysis as **Attachment K-15** - using VDH project only template- of revenue and expenses (operating budget) showing as a bottom line the funds available for debt service.

**SECTION I – SUSTAINABILITY/RELIABILITY/GPR/CLIMATE READINESS**

**1. Asset Management Plan:**

To qualify for Asset Management Plan credit, a waterworks must provide documentation as **Attachment K-17** which demonstrates a minimum of the following for the waterworks:

- Inventory of existing assets/infrastructure, (i.e., sources, treatment, storage, etc.)
- Expected useful life of assets vs. remaining useful life.
- Documentation of planned, scheduled maintenance.
- Documentation of an asset replacement or capital improvement reserve.

**2. Source Water Protection Info:**

To qualify for credit, a waterworks must provide documentation. Please contact VDH Source Water Protection staff.

**3. Green Project Reserve (GPR) Business Case:**

All applicants must submit to qualify for credit as Green Project Reserve (GPR); a waterworks must show that its proposed DWSRF-funded project has significant (not incidental) green benefits. For credit, the project must provide green infrastructure, promote water and/or power efficiency, or provide other innovative environmental benefits. This information must be reported as the **TOTAL AMOUNT OF PROJECT COSTS WHICH QUALIFY AS GPR**. Only include the costs that the DWSRF will be funding. For example, if the project is asking for \$100,000 for a 100% meter replacement project, then report \$100,000. IF there are no identifiable, benefits enter “zero” GPR dollars. Attach additional sheets as needed.

Applicant	
Contact Name and Phone	
Project Description and associated costs	
What project elements can be classified as potentially green?	



Technical Component	
Financial Component	
GPR Dollars Claimed	\$ _____ and % _____ (as % of VDH funded portion of project)
Signature/Date	

**SECTION J – APPLICATION CERTIFICATION**

**By signing this application, you are certifying that you have been authorized to apply on behalf of the Owner or Controlling Board.**

Submittal of this application is only a starting point for discussion and is not a binding agreement on either party.

Incomplete information may result in the delay or rejection of the application request.

The undersigned representative of the applicant certifies that the information contained herein and the attached statements and exhibits are true, correct, and complete to the best of their knowledge and belief. The undersigned agrees to clarify or supplement information pertaining to this application upon request. The undersigned recognizes that the information contained herein may be subject to state Freedom of Information Act requirements. **The undersigned acknowledges that a part of any interest required on a closed loan can be used by VDH to support the drinking water program.**

**Owner or Chief Administrative Officer of Waterworks:**

NAME and TITLE: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

SIGNATURE : \_\_\_\_\_ DATE: \_\_\_\_\_

**SECTION K – REQUIRED ATTACHMENTS – Please check those attached and label your attachments with corresponding numbers (i.e. K-1, K-2, etc.).**

- 1) Other Funds Available (e.g. Letters of conditions, award letters, etc.)
- 2) Outstanding debt amount and with whom
- 3) Median Household Income – including site income surveys if census information not at project level.
- 4) Project issue documentation.
- 5) Results of user agreement/commitment initial survey with project map. **NEW CONNECTIONS ONLY**
- 6) Adequate drinking water source or source agreement contract – VDH approved.
- 7) Funding Application Discussion documentation/notes or VDH-Office of Drinking Water letter/email waiving this requirement. If a Preliminary Engineering Report has been drafted for this project, include a copy of that also. Any letter reports, design memos, or alternatives analysis should be included in this section. Regionalization should be considered as an option.
- 8) Current rate schedule for water connection fee for water and date of last increase.
- 9) Monthly average of residential water usage. Use total annual gallons billed for in-town residential customers divided by 12 months and divide by the total number of in-town residential customers.
- 10) Average Monthly Residential Water User Rate Analysis – using VDH project only template.
- 11) Listing of 10 largest water & sewer users and estimated monthly consumption per user.
- 12) One copy of the latest interim (unaudited) financial statement. (Budget vs. Actual Expenditures)
- 13) One copy of the current year budget.
- 14) One copy of the most recent annual audits.
- 15) For the proposed project – a six-year cash flow analysis of revenue – using VDH project only template - and expenses (operating budget) showing as a bottom line funds available for debt service.
- 16) Supporting documentation used to determine the percent of leakage in the system. For this application, leakage is the amount of real water lost in the distribution system lines and tanks from cracks, leaks, and tank overflows divided by total water production. Should match Section F.I.f.
- 17) Asset Management Plan or AMP Acceptance Letter (as described in Section I) .

**Items 7, 12, 14 and 17 may be submitted in PDF format on a thumb drive provided two (2) copies are submitted.**

**Items 15 and 16 may also be included in spreadsheet format on the thumb drives.** Please make note on the application that the information is included in the attached digital material.