



Vermont Department of Environmental Conservation

Agency of Natural Resources

WATER INVESTMENT DIVISION
National Life Building, DAVIS 3
1 National Life Drive
Montpelier, VT 05620-3510

Michael W. Ramsey Jr., Town Manager & Authorized Representative
Town of Killington
2706 River Road
Killington, Vermont 05751

11/13/2023
Expiration Date: 11/13/2028

Re: Killington New Public Water System Project – Contract 1, 2, and 3A
Vermont/USEPA Drinking Water Revolving Loan Number RF3-459

Notice of Intent to Issue a Finding of No Significant Impact

Dear Mr. Hagenbarth:

The Department of Environmental Conservation intends to issue a Finding of No Significant Impact (FONSI) for the Killington New Public Water System Project.

The project has positive environmental impacts including mitigation of existing water quality issues related to PFAS, manganese, and combined radium contamination in existing drinking water wells (privately owned and smaller publicly owned) by providing safe drinking water for the community and non-residents.

The proposed project is for a new public drinking water system that will be owned and operated by the Town of Killington. Appropriate design, construction, and operation of the new public water system will mitigate the impacts related to PFAS, manganese, and combined radium contamination for the community and non-residents by supplying drinking water from three well sources which meet drinking water quality standards.

The new system will include an approved drinking water source (two existing wells plus a new well), two storage reservoirs (one current construction and one future construction), transmission main, and distribution main phased under multiple contracts. The environmental review will be phased over those multiple contracts, and this phase of the environmental review focuses specifically on Contract 1 - Well House and High Service Pump Station, Contract 2 – Shagback Mountain Water Storage, and Contract 3A - Valley Wells Transmission Main.

Wetland

Class II and Class III wetland and buffer have been identified within the project area. Approximately 2,150-linear feet of new transmission main from the Well House to the High Service Pump station will be horizontally directionally drilled (HDD) methods under the Class II wetland which runs

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along the Ottauquechee River corridor. The Town of Killington will be submitting a permit to the Wetlands Program in November. No material or substantial changes shall be made to the project without prior written approval of the Wetlands Program. All mitigation measures required for compliance will be noted within the permit.

Floodplain and River Corridor

It is not anticipated that Contract 1 and 3A will involve construction within the floodway. However, construction of the infrastructure within the River Corridor and at a minimum the floodplain buffer will be occurring. The floodway, 100-year and 500-year floodplain, and floodplain buffer mapping are not available (online or paper version) for this section of the Ottauquechee River and smaller tributaries in the Town of Killington. Flood mapping related to the Ottauquechee starts at the town line between the Town of Killington and Town of Bridgewater. Mapping of the River Corridor for the Ottauquechee River and smaller tributaries is available.

- Contract 1 - The Well House building will be within the River Corridor and likely within the floodplain buffer at a minimum. The well elevations were set by previous source work in the 1980s with wells installed at approximately 1,179-feet. The Well House building is at a similar elevation with the finished floor elevation of 1,177.9-feet. The two Valley Wells and Well House are approximately 20-feet above the Ottauquechee River, approximately 13-feet above the top of an adjacent bridge, and approximately 8-feet above US Route 4.
- Contract 3A – The 16-inch transmission main from the Well House to the High Service Pump Station (approximately 1900-linear feet) will be permanent infrastructure below ground within the River Corridor and likely within the floodplain buffer at a minimum once construction is completed. Several alternative routes were considered with the selected route having construction of the stream crossing at the narrowest point in the Ottauquechee River. Mitigation measure will be to construct approximately 250-linear feet of 20-inch transmission main river crossing with HDD methods maintaining a minimum of 5-feet below the existing riverbed to minimize the environmental impacts.
- Contract 3A – A small diameter electric conduit from Route 4 to the Well House will be permanent infrastructure below ground within the River Corridor and likely within the floodplain buffer at a minimum once construction is completed. Mitigation measure will be to construct the electric conduit river crossing with HDD methods maintaining a minimum of 5-feet below the existing riverbed to minimize the environmental impacts.

Stream Alteration

Stream alteration has been identified for the project under Contract 3A. HDD in two separate locations below the riverbed of the Ottauquechee River is required for a segment of transmission main and electric conduit under Contract 3A. An Authorization to Conduct Stream Alteration under Vermont Stream Alteration General Permit (GP) activities from the River Management Program was previously issued under stream alteration permit SA-01-0829, issued September 18, 2012, and expired October 1, 2017. A request for an extension was granted with a new expiration date of the permit of December 31, 2024. A link to the stream alteration permit is included in the additional documents list below and is required to be kept onsite during construction.

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- The River Management Engineer is required to be notified when construction begins and when the project is complete. In-stream working dates for all GP activities related to the stream crossing for Contract 3A are from July 1st to October 1st. The HDD contractor is required to submit a frack-out plan prior to preconstruction meeting. All additional mitigation measures required for compliance are noted within the permit.

Rare, Threatened, and Endangered Species

There is an indication of a rare, threatened, and endangered species by US Fish and Wildlife Service (USFWS) within the project area. WID-DCE reviewed all relevant information and met with Vermont Fish and Wildlife Department (VFWD) habitat protection scientist and USFWS to determine appropriate mitigation measures as significant tree removal will be required for construction of Contract 1, 2, and 3A. The large amount of tree removal required to construct the above grade and below grade infrastructure does have the potential to impact wildlife habitat and significant natural communities.

- Tree removal required for Contract 1, 2, and 3A will be restricted and will only occur from October 1st to April 14th of each year of construction during the multiple phase project. Removal of trees within the winter months will reduce the adverse environmental impact to rare, threatened, and endangered species. Where disturbance is unavoidable, the WID construction engineer must be immediately notified and additionally mitigation measures may apply.

Migratory Bird Treaty Act

Encountering nesting migratory birds during the construction of Contract 1, 2, and 3A is highly likely given the existing wildlife habitat impacted in the project area. Construction impacts to the taking of a migratory bird, egg, and nest must be kept to minimum. Tree removal required for Contract 1, 2, and 3A will be restricted and will only occur from October 1st to April 14th of each year of construction during the multiple phase project. Removal of trees outside of the nesting season of migratory birds will reduce the adverse environmental impact. Where disturbance is unavoidable, appropriate best mitigation practices measures will be implemented to prevent the taking of the migratory bird, egg, and nest.

Historical and Archaeological

Any historical/archaeological impacts within the project area related to Contract 1, 2, and 3A will be minimal. Clearance for Contract 1, 2, and 3A have been received by the Vermont Division of Historic Presentation. Additionally, clearance for historical/archaeological impacts under the other contracts for the Town of Killington New Public Water System project will be required.

Source Permit/Permit to Construct

A Source Permit and Permit to Construct are required for new sources and new public drinking water systems. The Town of Killington has submitted a Source Permit for the three valley wells (two existing and one new) to the Drinking Water and Groundwater Protection Division (DWGPD). The town also has submitted a Permit to Construct for Contract 1, 2, and 3A to the DWFPD. These permits will be required prior to construction of the new water source, and Contract 1, 2, and 3A.

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Act 250 Permit

A review of the project by a permit specialist identified the requirement of an Act 250 permit for the Town of Killington drinking water project. The Town of Killington has submitted an amendment to an existing permit for Contract 1, 2, and 3A. This permit will be required prior to construction of Contract 1, 2, and 3A.

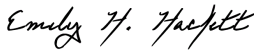
Under the Procedure, the project is ineligible for Categorical Exclusion (CATEX) from detailed environmental review because the project is significantly greater in scope than normal projects funded through the Vermont DWSRF. It is also ineligible for CATEX because the project is known or expected to affect directly or indirectly an environmentally important natural resources area, specifically, wetlands, floodplain/river corridor, stream alteration, endangered species, and migratory birds. The direct and indirect environmental effects of the project are not significant enough to necessitate an Environmental Impact Statement (EIS), under the Department's environmental review procedures.

The Department's environmental review procedures require a 30-day public comment period following the issuance of a Notice of Intent to Issue a Finding of No Significant Impact. If no public comments received during that period demonstrate that this Notice of Intent is in error, then the FONSI will become effective.

Copies of documents supporting our FONSI are enclosed. Please keep copies of the enclosed documents, along with any pertinent reports by your consulting engineers, available for public inspection during a public comment period of 30 days. A full listing of the documents that must be available for public inspection is attached.

Please contact me (802) 261-0288 (emily.hackett@vermont.gov) if you have questions or concerns.

Sincerely,

DocuSigned by:

89B9883B21F347A...

Emily Hackett, EI
Environmental Engineer
Water Investment Division

Enclosures

Documents Posted for Finding of No Significant Impact Public Comment Period (30 days)

1. Notice of Intent to Issue a Finding of No Significant Impact (Signed by Eric Blatt, P.E., Director of Engineering, Water Investment Division, enclosed)
-

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2. Evaluation of Eligibility for Finding of No Significant Impact (Approved by Eric Blatt, P.E., Director of Engineering, Water Investment Division, enclosed.)
3. State Environmental Review Procedures for Projects Funded Through the Vermont/ EPA Revolving Loan Program, <https://dec.vermont.gov/water-investment/water-financing/srf/environmental-review>

Additional Documents Needed for Finding of No Significant Impact Public Comment Period (30 days)

4. Environmental Information Document, “*Environmental Information Document and Environmental Report, Town of Killington – new Public Water System, Contracts 1, 2, 3A, 3B, 6B,*” and dated 2/2/2023, prepared by Wayne A Elliot, PE, of Aldrich + Elliot, and signed 2/3/2023 by Chet Hagenbarth, Killington Town Manager.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199437&DVID=0>
 5. Appendix Part 1, “*Town of Killington – New Public Water System, Environmental Report,*” and undated, prepared by Wayne A. Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199439&DVID=0>
 6. Appendix Part 2, “*Town of Killington – New Public Water System, Environmental Report,*” and undated, prepared by Wayne A. Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199438&DVID=0>
 7. Preliminary Engineering Report entitled “*Town of Killington, Vermont New Public Water System Study,*” and dated 8/2022, stamped and signed by Wayne Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199431&DVID=0>
 8. Section 106 Project Review Form, Contracts 1, 2, 3A, and 3B, dated 4/24/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204121&DVID=0>
 9. VFWD Memorandum, dated 8/1/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204122&DVID=0>
 10. DEC & Natural Resources Board Project Review Sheet, Contracts 1, 2, 3A, and 3B, dated 5/8/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204120&DVID=0>
 11. Contract 1 Design Plans, titled “*Killington Village Water System Contract 1 – Well House and High Service Pump Station,*” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199432&DVID=0>
 12. Contract 2 Design Plans, titled “*Killington Village Water System Contract 2 – Water Storage*”
-

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Tank,” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.

<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199433&DVID=0>

13. Contract 3A Design Plans, titled “*Town of Killington Valley Wells Transmission Main*,” and dated 3/16/2023, stamped and signed by Donald R Marsh, PE, of Grenier Engineering, PC.

<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199434&DVID=0>

Copy List

Elijah Schumacher, Wetlands Program (ARPA), VT-DEC-WMD
Zapata Courage, Wetlands Program, VT-DEC-WMD
Josh Carvajal, P.E., River Management Engineer, VT-DEC-WMD
Andrew Wood, Habitat Protection Scientist (ARPA), VT-DFW-WD
Scott Dillon, Division of Historic Preservation, ACCD
Elizabeth Peebles, Division for Historic Preservation, ACCD
Nathan Callas, Environmental Engineer, VT-DEC-DWGPD
Ciana Winston, Environmental Engineering (ARPA), VT-DEC-DWGPD
William Nickerson, Supervisor Engineering Section, VT-DEC-DWGPD
Kim Lutchko District 1 Coordinator, Act 250 Program
Naomi R. Johnson, P.E., President, Dufresne Group
Neil Kamman, Director, VT-DEC-WID
Eric Blatt, P.E., Director of Engineering, VT-DEC-WID
Jeff Fehrs, P.E., Supervisor DCE Section, VT-DEC-WID
Don Haddox, Construction Engineer, VT-DEC-WID



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WATER INVESTMENT DIVISION
National Life Building, DAVIS 3
1 National Life Drive
Montpelier, VT 05620-3510

Notice of Intent to Issue a Finding of No Significant Impact

**Town of Killington
New Public Drinking Water System – Contracts 1, 2, and 3A**

Vermont/USEPA Clean Water Revolving Loan Number: RF3-459

In accordance with section VII of the Vermont Department of Environmental Conservation's *Environmental Review Procedures for Projects Funded Through the Vermont/EPA Revolving Loan Program*, the Department intends to issue a Finding of No Significant Impact (FONSI) for the proposed Killington New Public Drinking Water System Project. The proposed project consists of a new public drinking water system that will be owned and operated by the Town of Killington. The system will serve the Killington community at the Killington Ski Resort, along Killington Road, and a portion along US Route 4 south of the intersection of Killington Road and US Route 100.

The purpose of the new system is to mitigate existing water quality issues related to PFAS, manganese, and combined radium contamination in existing drinking water wells (privately owned and smaller publicly owned) by providing safe drinking water for the community. The new system will include an approved drinking water source (two existing wells plus a new well), two storage reservoirs (one current construction and one future construction), transmission main, and distribution main phased under multiple contracts.

The environmental review will be phased, and this phase of the review focuses specifically on Contract 1 - Well House and High Service Pump Station, Contract 2 – Shagback Mountain Water Storage, and Contract 3A - Valley Wells Transmission Main.

Under the Procedure, the project is ineligible for Categorical Exclusion (CATEX) from detailed environmental review because the project is significantly greater in scope than most projects funded through the Vermont DWSRF. It is also ineligible for CATEX because the project is known or expected to affect directly or indirectly an environmentally important natural resources area, specifically including, wetlands, floodplain/river corridor, stream alteration, endangered species, and migratory birds. The direct and indirect environmental effects of the project are not significant enough, however, to necessitate an Environmental Impact Statement (EIS) under the Department's environmental review procedures.

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Consideration of the FONSI included a review of the following documents:

1. Environmental Information Document, “*Environmental Information Document and Environmental Report, Town of Killington – new Public Water System, Contracts 1, 2, 3A, 3B, 6B,*” and dated 2/2/2023, prepared by Wayne A Elliot, PE, of Aldrich + Elliot, and signed 2/3/2023 by Chet Hagenbarth, Killington Town Manager.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199437&DVID=0>
2. Appendix Part 1, “*Town of Killington – New Public Water System, Environmental Report,*” and undated, prepared by Wayne A. Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199439&DVID=0>
3. Appendix Part 2, “*Town of Killington – New Public Water System, Environmental Report,*” and undated, prepared by Wayne A. Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199438&DVID=0>
4. Preliminary Engineering Report entitled “*Town of Killington, Vermont New Public Water System Study,*” and dated 8/2022, stamped and signed by Wayne Elliot, PE, of Aldrich + Elliot.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199431&DVID=0>
5. Section 106 Project Review Form, Contracts 1, 2, 3A, and 3B, dated 4/24/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204121&DVID=0>
6. VFWD Memorandum, dated 8/1/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204122&DVID=0>
7. DEC & Natural Resources Board Project Review Sheet, Contracts 1, 2, 3A, and 3B, dated 5/8/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204120&DVID=0>
8. Contract 1 Design Plans, titled “*Killington Village Water System Contract 1 – Well House and High Service Pump Station,*” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199432&DVID=0>
9. Contract 2 Design Plans, titled “*Killington Village Water System Contract 2 – Water Storage Tank,*” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199433&DVID=0>
10. Contract 3A Design Plans, titled “*Town of Killington Valley Wells Transmission Main,*” and dated 3/16/2023, stamped and signed by Donald R Marsh, PE, of Grenier Engineering, PC.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199434&DVID=0>

**Michael Ramsey, Authorized Representative, Town of Killington
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Notice of Intent to Issue a Finding of No Significant Impact
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Further information on the project and this Notice of Intent is available for inspection at the following locations:

Michael W. Ramsey Jr., Town Manager
Town of Killington
2706 River Road
Killington, VT 05751

tel. (802) 422-3241
manager@killingtontown.com

Emily H. Hackett, EI
Vermont Department of Environmental Conservation
Water Investment Division
1 National Life Drive, Davis 3
Montpelier, VT 05620 3510

tel. (802) 261-0288
Emily.Hackett@Vermont.gov

(Note: National Life requires photo identification to obtain an access badge for entry.)

Naomi R. Johnson, PE
Dufresne Group
56 Main Street, Suite 200
Springfield, Vermont 05156

tel. (802) 674-2904
njohnson@dufresnegroup.com

No significant administrative action will be taken on this project for thirty (30) days from issuance of this Notice of Determination, to allow for a public response.

DocuSigned by:


54C2E1676A47428

Eric Blatt, P.E., Director of Engineering
Water Investment Division

11/13/2023

Date


Vermont Department of Environmental Conservation
Agency of Natural Resources

TO: Eric Blatt, P.E., Director of Engineering, Water Investment Division

DS
EB

FROM: Emily Hackett, EI, Environmental Engineer, Water Investment Division

DS
EH

SUBJECT: Town of Killington
New Public Drinking Water System – Contracts 1, 2, and 3A
Environmental Assessment
Evaluation of eligibility for Finding of No Significant Impact

DATE: November 13, 2023

A. Project Identification:

Project Name: New Public Drinking Water System – Contracts 1, 2, and 3A

Address: Michael W. Ramsey Jr., Town Manager & Authorized Representative
2706 River Road
Killington, Vermont 05751

Project Location: Town of Killington, Vermont

The proposed project is for a new public drinking water system that will be owned and operated by the Town of Killington. The system will serve the Killington community at the Killington Ski Resort, along Killington Road, and a portion along US Route 4 south of the intersection of Killington Road and US Route 100. The purpose of the new system is to mitigate existing water quality issues related to PFAS, manganese, and combined radium contamination in existing drinking water wells (privately owned and smaller publicly owned) by providing safe drinking water for the community.

Vermont/USEPA Clean Water Revolving Loan Number: **RF3-459**

B. Summary of Environmental Review

The Department of Environmental Conservation, Water Investment Division, has reviewed this proposed project in accordance with the Department's State Environmental Review Procedures for Projects Funded Through the Vermont/EPA Revolving Loan Program.

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Evaluation of Eligibility for Finding of No Significant Impact – Contract 1, 2, and 3A
New Public Drinking Water System
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The Department has reviewed the following planning documents:

1. Environmental Information Document, “*Environmental Information Document and Environmental Report, Town of Killington – new Public Water System, Contracts 1, 2, 3A, 3B, 6B,*” and dated 2/2/2023, prepared by Wayne A Elliot, PE, of Aldrich + Elliot, and signed 2/3/2023 by Chet Hagenbarth, Killington Town Manager.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199437&DVID=0>
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<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199438&DVID=0>
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7. DEC & Natural Resources Board Project Review Sheet, Contracts 1, 2, 3A, and 3B, dated 5/8/2023.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=204120&DVID=0>
8. Contract 1 Design Plans, titled “*Killington Village Water System Contract 1 – Well House and High Service Pump Station,*” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199432&DVID=0>
9. Contract 2 Design Plans, titled “*Killington Village Water System Contract 2 – Water Storage Tank,*” and dated 3/6/2023, stamped and signed by Naomi Johnson, PE, of Dufresne Group.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199433&DVID=0>
10. Contract 3A Design Plans, titled “*Town of Killington Valley Wells Transmission Main,*” and dated 3/16/2023, stamped and signed by Donald R Marsh, PE, of Grenier Engineering, PC.
<https://anrweb.vt.gov/DEC/IronPIG/DownloadFile.aspx?DID=199434&DVID=0>

A Finding of No Significant Impact (FONSI) is the appropriate environmental review response for this project if the issues presented can be resolved with mitigation or permits. This project is not eligible for Categorical Exclusion (CATEX) because the project is significantly greater in scope than most projects funded through Vermont DWSRF. It is also not eligible for CATEX because the project is known or expected to affect directly or indirectly an

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environmentally important natural resources area, specifically including, wetlands, floodplain/river corridor, stream alteration, endangered species, and migratory birds. The project's direct and indirect environmental effects, however, do not necessitate issuance of an Environmental Impact Statement (EIS), under the Department's environmental review procedures.

1. Project Description

The Town of Killington is in Rutland County, Vermont in the Ottauquechee River watershed. The Ottauquechee River originates on the eastern slopes of the Green Mountains located in Killington. It flows northeasterly down the mountainside to the valley area where its course changes to a near southerly direction towards downstream communities. The largest wetland complex in the basin is found along the Ottauquechee River in the Town of Killington.

The new system will include an approved drinking water source (two existing wells plus a new well), two storage reservoirs (one current construction and one future construction), transmission main, and distribution main phased under multiple contracts. The environmental review will be phased over those multiple contracts, and this phase of the environmental review focuses specifically on Contract 1 - Well House and High Service Pump Station, Contract 2 – Shagback Mountain Water Storage, and Contract 3A - Valley Wells Transmission Main.

A brief description of each construction contract included in this environmental review follows:

- Contract 1 – Well House and High Service Pump station

The location of the two (2) existing Valley Wells and one (1) new well are on the easterly side of Ottauquechee River along US Route 4. The total maximum withdrawal of 496 gallons per minute is identified within the Source Permit and the withdrawal shall not exceed 714,240 gallons per day. An additional water source will be added, and the town has submitted a source permit to DWGPD. The water will be pumped from the two existing wells and new well using low head pumps through a new Well House located adjacent to the wells on the easterly side of the Ottauquechee River. All well production will be metered as the water passes through this building. There will be a horizontal directional bore of an electrical conduit under the Ottauquechee River to bring power to the Well House site. Backup power using propane is being provided at the site for the well pumps.

The pumped water will be conveyed from the Well House on the easterly side of the Ottauquechee River through a 16-inch transmission main to the High Service Pump Station located on the westerly side of US Route 4 (Contract 3A).

The location of the High Service Pump station is located on the westerly side of US Route 4. Water will enter the new High Service Pump Station building for chemical addition. A buried water metering vault will be included adjacent to the building. The main floor of the pump station will be accessed by a new driveway from US Route 4. Precast concrete retaining walls are proposed on both sides of the building to fit the existing topography. Chemical feed and storage systems are provided for adding sodium hypochlorite for disinfection and sodium hydroxide for pH control. Treated water will enter a clear well located below the

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building main floor and will be pumped to the new water storage tank on Shagback Mountain (Contract 2) through a 16-inch transmission main (Contract 3A). Space is provided for four pumps with two pumps being installed during construction. Backup power using propane is being provided at the site for the high service pump station.

- Contract 2 – Shagback Mountain Water Storage

The location of the two (2) 750,000-gallon storage tanks (one current contract and one future contract) will be constructed near the top of Shagback Mountain. It will be accessed by a road constructed adjacent to the 16-inch transmission main from East Mountain Road to the storage tank location.

- Contract 3A – Valley Wells Transmission Main

The transmission main consists of two main segments under Contract 3A - 1) The water will be conveyed from the Well House through a 16-inch transmission main approximately 3,800 linear feet to the High Booster Pump Station. 2) Treated water will be conveyed from the High Booster pump station through a 16-inch transmission main approximately 8,200 linear feet and approximately 1,450 vertical feet to the new storage tank on Shagback Mountain.

The first segment of 16-inch transmission main will transition to a 20-inch HDPE pipe for the horizontal directional drill under the Ottauquechee River and Route 4.

The installation and operation of the transmission main from the High Booster pump station to the storage tank requires trees be permanently removed within 15 feet of either side of the transmission main.

This work is expected to be constructed with Drinking Water State Revolving Fund (DWSRF) loan. Eligibility for Drinking Water State Revolving Fund (DWSRF) construction loans will be limited to the eligible drinking water work as detailed in the Preliminary Engineering Report and to physical areas cleared through this environmental review process.

The contract documents will contain standard requirements to limit hours of construction and to control noise, dust and discharges of stormwater runoff or pollutants during construction.

2. Justification for Finding of No Significant Impact

We have determined that the proposed project meets the criteria for issuance of a Finding of No Significant Impact. This project involves work that is significantly greater in scope than most projects funded through the Vermont DWSRF, has known or is expected to affect directly or indirectly an environmentally important natural resources area, specifically including wetlands, floodplain/river corridor, stream alteration, endangered species, and migratory birds. The direct and indirect environmental effects of the project are not significant enough, however, to necessitate an Environmental Impact Statement (EIS) under the Department's environmental review procedures.

A public hearing was held on January 23, 2023, at 6:00 p.m. at the Killington Public Safety Building and online as part of this FONSI process. The recording is available on the Town of Killington's website.
