

2nd Edition LIHI Handbook Recertification Application Table and Checklist

- This is a fillable form. Click in each righthand column to enter data or check the applicable box(es).
- For YES responses, enter or attach a summary/description and supply links to, or copies of all related documentation.
- Identify attachments by the item number below and note if any attachments are confidential.

Facility Name:	Winooski 8
LIHI Certificate No:	77
Application Date:	3/24/2021
1. Updates and Changes Needed to Facility Webpage	<input type="checkbox"/> N/A – webpage is accurate. <input checked="" type="checkbox"/> Changes are needed. [see facility info table]
2. Updated Facility Information Table:	<input checked="" type="checkbox"/> Updated form attached, either the Single Facility Form or Multiple Facility Excel sheet See Attachment 1
3. During the current LIHI term, have there been any:	
FERC license or exemption proceedings, applications, amendments and/or FERC orders?	<input type="checkbox"/> N/A, facility is not under FERC jurisdiction. <input type="checkbox"/> No. <input checked="" type="checkbox"/> Yes. Draft relicense application submitted 01/29/21 https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15708552 (vol 1) and https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15708553 (vol 2)
Water Quality Certification (WQC) or amendment proceedings?	<input type="checkbox"/> N/A, no WQC for the facility. <input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes. WQC application will be filed as part of relicensing
FERC-required facility or operational changes?	<input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes.
Changes to facility-related management plans, settlement agreements, MOUs or other agreements?	<input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes.

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Any formal or informal resource agency communications related to the LIHI criteria?	<input type="checkbox"/> No. https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15708553 <input checked="" type="checkbox"/> Yes. Joint Agency Meeting 11/16/18, relicensing study requests received, study meetings – see Appendix A of draft license application
4. During the current LIHI term, have there been any activities or changes at the facility:	
Environmental upsets (e.g., oil spills, erosion events, damaging flood events)?	<input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes.
Changes in the environmental conditions at the facility (e.g., significant land clearing, dredging, flood damage repairs, construction activities)?	<input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes. Routine impoundment dredging occurs every 3-5 years
Any other issues related to the LIHI criteria that have arisen (e.g., agency comments or new recommendations, stakeholder inquiries, etc.)?	<input checked="" type="checkbox"/> No issues have arisen. <input checked="" type="checkbox"/> Yes. Agency comments only related to relicensing.
5. During the current LIHI term have there been any:	
Deviations or excursions from regulatory requirements?	<input checked="" type="checkbox"/> None have occurred. <input type="checkbox"/> Yes.
FERC compliance orders, notices of non-compliance or violations from FERC, from regulatory agencies, or from stakeholders or the general public?	<input checked="" type="checkbox"/> None received. <input type="checkbox"/> Yes.
6. Ecological Flows (if not captured above):	

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<p>Are there any temporary or permanent changes in impoundment operations that have occurred or are planned, including significant drawdowns (planned for maintenance or dam repairs or extended flashboard removal); and/or changes in flow release quantity or schedules, including white water releases?</p>	<p><input checked="" type="checkbox"/> No changes have occurred or are planned. <input type="checkbox"/> Yes.</p> <p>Studies conducted for relicensing could impact future operations: Bypass IFIM https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15636487 Aesthetic Flow https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15636488</p>
<p>7. Water Quality:</p>	
<p>If applicable, are there any amendments or applications for amendment to the facility's Water Quality Certification (WQC) during the current LIHI term?</p>	<p><input type="checkbox"/> N/A, no WQC for the facility. <input checked="" type="checkbox"/> No WQC amendment proceedings. <input type="checkbox"/> Yes, there have been amendment proceedings.</p> <p>See above – new WQC expected with relicense</p>
<p>If there is a WQC and you selected Standard B-2, Agency Recommendation in the prior LIHI application, is the WQC is now > 10 years old?</p> <p>Provide a letter from the state water quality agency confirming that the terms and conditions of the existing WQC are still valid and applicable to the facility.</p>	<p><input type="checkbox"/> N/A, no WQC for the facility. <input type="checkbox"/> No, did not select Standard B-2. <input type="checkbox"/> No, WQC is still < 10 years old. <input checked="" type="checkbox"/> Yes, WQC is > 10 years old.</p> <p>Agency letter is available in Attachment 1 of 2017 LIHI review report. https://lowimpacthydro.org/wp-content/uploads/2020/07/Stage-II-Recertification-Winooski8-4-10-17-final-mjs.pdf</p>
<p>Review the most recent published state impaired waters list (draft or final).</p> <p>Have there been any changes in the listing (new impairments, impairments removed, etc.) for the facility vicinity since the prior LIHI application?</p>	<p><input checked="" type="checkbox"/> No changes. <input type="checkbox"/> Yes.</p> <p>The project area and the reach from Molly's Falls Brook upstream to the Stevens Branch of the Winooski River downstream is only listed on the 2020 Stressed Rivers List based on physical alteration, sediments, nutrients, turbidity, and coli arising from stream bank erosion, channel instability, road runoff, (e coli source unknown) https://dec.vermont.gov/sites/dec/files/documents/mp_PriorityWatersList_PartC_2020.pdf</p>

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Identify any changes in stream designation such as state water quality classification changes for the river, Wild and Scenic Rivers designation, or other protected river status changes.	<input checked="" type="checkbox"/> None identified. <input type="checkbox"/> Yes.
If water quality monitoring has been conducted at or near the facility by you or others during the current LIHI term, provide links to, or copies of, the final monitoring report, and if applicable, all related FERC and agency consultation and communications.	<input checked="" type="checkbox"/> N/A, no monitoring conducted. <input type="checkbox"/> Yes. Relicensing WQ study delayed to after license per 01/13/21 VANR request (see Attachment 2).

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8. Upstream and Downstream Fish Passage:	
Have there been any completed or ongoing fish passage studies during the current LIHI term, including any data collected on fish passage (e.g., return numbers, changes made in seasonal operations, mortalities reported, effectiveness results)?	<input checked="" type="checkbox"/> N/A, no fish passage. <input checked="" type="checkbox"/> No studies have occurred or are planned. <input type="checkbox"/> Yes, studies have occurred or are planned. No fish passage studies requested for relicensing
Have there been any temporary or permanent changes in passage facilities or related operations that have occurred during the current LIHI term, or that are planned?	<input checked="" type="checkbox"/> N/A, no fish passage. <input checked="" type="checkbox"/> No changes have occurred or are planned. <input type="checkbox"/> Yes, changes have occurred or are planned. No fish passage studies requested for relicensing
9. Shoreline and Watershed Protection:	
Are there any new or revised agency watershed-related management plans that may affect the facility (e.g., watershed management plan, fishery restoration plan, recovery plan for threatened or endangered species, or other agency plans)?	<input type="checkbox"/> None identified. <input checked="" type="checkbox"/> Yes. Updated Winooski River Tactical Basin Plan 2018: https://dec.vermont.gov/sites/dec/files/documents/2018%20Winooski%20River%20TBP.pdf Statewide management plan for bass 2017: https://vtfishandwildlife.com/sites/fishandwildlife/files/documents/Learn%20More/Library/REPORTS%20AND%20DOCUMENTS/FISHERIES%20MANAGEMENT/BASS%20MANAGEMENT%20PLAN%20-%202017.pdf Statewide Comprehensive Outdoor Recreation Plan Draft 2019: https://fpr.vermont.gov/sites/fpr/files/Recreation/Recreation Grants/Library/SCORP Draft Plan.NPS .Public%20Comment.pdf The planned water quality study will provide data to the basin plan. It is not clear if bass are present in the project area. There may be increased recreational use in the project area in the future.

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10. Threatened and Endangered Species:	
Conduct a U.S. Fish and Wildlife Service IPaC online data check (https://ecos.fws.gov/ipac/) for newly observed or newly listed federally threatened and endangered species.	<input type="checkbox"/> IPaC report attached. In lieu of an IPaC report, see draft license application Section E.6 – only Northern long-eared bat may be present.
Conduct a state threatened and endangered species data check (may require payment of fees) for newly observed or newly listed state threatened and endangered species.	<input type="checkbox"/> State listed species report attached. In lieu of a state report, see draft license application Section E.6 – eastern pearlshell mussel (threatened) was found in relicensing mussel study.
Describe and summarize any studies of protected species at the facility that were completed or are ongoing during the current LIHI term.	<input type="checkbox"/> No studies have occurred or are planned <input checked="" type="checkbox"/> Yes, studies have occurred or are planned. Mussel Study, 2019 (privileged) Mussel relocation plan will be prepared for relocating mussels during drawdowns.
11. Cultural and Historic Resources:	
Are there any structural or operational changes that have occurred or are planned that affect or could affect cultural or historic resources?	<input checked="" type="checkbox"/> No changes have occurred or are planned. <input type="checkbox"/> Yes, changes have occurred or are planned. SHPO indicated no resources are present, but project facilities will become eligible for listing based on age during the new FERC license term (by 2035).
Describe and summarize any cultural or historic resource studies at the facility, that were completed or are ongoing during the current LIHI term including mitigation measures taken or planned.	<input checked="" type="checkbox"/> No studies have occurred or are planned <input type="checkbox"/> Yes, studies have occurred or are planned.

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12. Recreational Resources:	
Provide a description and current photos of formal and informal recreation areas/facilities along with a description of any temporary or permanent changes in recreational facilities or services, including consultation with recreational stakeholders during the current LIHI term or planned in the foreseeable future.	<input type="checkbox"/> N/A, the facility has no formal or informal recreation access. <input checked="" type="checkbox"/> Yes, recreation area photos attached. <input checked="" type="checkbox"/> No changes have occurred or are planned. <input type="checkbox"/> Yes, changes have occurred or are planned. See Attachment 3
Provide a summary of inquiries and comments received from stakeholders about recreation sites during the current LIHI term, including any changes made as a result.	<input type="checkbox"/> No inquiries received. <input checked="" type="checkbox"/> Yes, inquiries were received. Interactions with Central VT Trails Association regarding a project easement for a planned trail. The trail starts at the intersection of Gallison Road and PowerPlant Road (PowerPlant Road is in the FERC Project Boundary) and eventually crosses onto the Licensee's property near the dam before crossing the Winooski River via a proposed bridge (currently under construction). On November 26, 2018, the Licensee filed an easement with FERC allowing CVTA to extend recreation trails over the Licensee's property. In a December 11, 2018 letter to the Licensee, FERC approved the easement.
If applicable, provide links to or copies of, any FERC Environmental and Recreation Inspection reports and reports of follow up activities during the current LIHI term.	<input checked="" type="checkbox"/> N/A, no FERC inspection has occurred <input type="checkbox"/> Yes, FERC inspection occurred on:
If there is a recreation management plan for the facility, provide any updates to the plan that have occurred during the current LIHI term.	<input checked="" type="checkbox"/> N/A, no recreation management plan for the facility. <input type="checkbox"/> No changes have occurred or are planned. <input type="checkbox"/> Yes, updated recreation management plan attached.
13. Other:	
Provide updated photos of key project features.	<input checked="" type="checkbox"/> No changes in key project features. <input type="checkbox"/> Yes, photos attached.

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If the FERC boundary has changed during the current LIHI term, provide updated maps.	<input checked="" type="checkbox"/> No FERC boundary changes have occurred. <input type="checkbox"/> Yes, FERC boundary has changed, map attached.
Review and update the facility, agency and stakeholder contact lists from the prior LIHI application, including all requested contact information therein.	<input type="checkbox"/> No changes in any contacts. <input checked="" type="checkbox"/> Yes, updated contact list(s) attached See Attachment 4
Provide a signed Sworn Statement and Waiver Form .	<input checked="" type="checkbox"/> Signed statement attached. See Attachment 5

Table B-1.1. Facility Information.

Item	Information Requested	Response (include references to further details)
Name of the Facility	Facility name (use FERC project name or other legal name)	Winooski No. 8
Reason for applying for LIHI Certification	<ol style="list-style-type: none"> To participate in state RPS program and specify the state and the total MW/MWh associated with that participation (value and % of facility total Mw/MWh). To participate in voluntary REC market (e.g., Green-e) To satisfy a direct energy buyer's purchasing requirement To satisfy the facility's own corporate sustainability goals For the facility's corporate marketing purposes Other (describe) 	100% MA Class II 0.88 MW 2,550 MWh 100% 100%
	If applicable, amount of annual generation (MWh and % of total generation) for which RECs are currently received or are expected to be received upon LIHI Certification	2,550 MWh 100%
Location	River name (USGS proper name)	Winooski River
	Watershed name - Select region, click on the area of interest until the 8-digit HUC number appears. Then identify watershed name and HUC-8 number from the map at: https://water.usgs.gov/wsc/map_index.html	Winooski River HUC 08: 04150403
	Nearest town(s), county(ies), and state(s) to dam	E. Montpelier, Washington, VT
	River mile of dam above mouth	59.7
	Geographic latitude of dam	44.238350°
	Geographic longitude of dam	-72.524783°
Facility Owner	Application contact names (Complete the Contact Form in Section B-4 also):	Matthew Rubin

Item	Information Requested	Response (include references to further details)
	Facility owner company and authorized owner representative name. For recertifications: If ownership has changed since last certification, provide the effective date of the change.	Winooski Hydroelectric Company
	FERC licensee company name (if different from owner)	n/a
Regulatory Status	FERC Project Number (e.g., P-xxxxx), issuance and expiration dates, or date of exemption	P-6470 Issued Aug 29, 1983, expires July 31, 2023
	FERC license type (major, minor, exemption) or special classification (e.g., "qualified conduit", "non-jurisdictional")	Minor license
	Water Quality Certificate identifier, issuance date, and issuing agency name. Include information on amendments.	401 Water Quality Certificate issued Dec 29, 1982, amended April 5, 1984 See both at https://lowimpacthydro.org/lihi-certificate-77-winooski-8-hydroelectric-project-vermont/
	Hyperlinks to key electronic records on FERC e-library website or other publicly accessible data repositories	FERC License https://lowimpacthydro.org/wp-content/uploads/2020/08/FERC-Lic-Order-8-29-83063-2.pdf
Powerhouse	Date of initial operation (past or future for pre-operational applications)	1985
	Total installed capacity (MW) For recertifications: Indicate if installed capacity has changed since last certification	856 KW Adjusted from last certification based on relicense application
	Average annual generation (MWh) and period of record used For recertifications: Indicate if average annual generation has changed since last certification	3,507 MWh (1986-2017) Somewhat less than last certification
	<u>Mode of operation</u> (run-of-river, peaking, pulsing, seasonal storage, diversion, etc.) For recertifications: Indicate if mode of operation has changed since last certification	Run of river No change
	Number, type, and size of turbine/generators, including maximum and minimum hydraulic capacity and maximum and minimum output of each turbine and generator unit	3 Flygt Submersible propeller turbines: TG1 = 63 kW, 25-34 cfs TG2 = 263 kW, 20-139 cfs TG3 = 530 kW, 24-272 cfs

Item	Information Requested	Response (include references to further details)
	Trashrack clear spacing (inches) for each trashrack	1.75 inches
	Approach water velocity (ft/s) at each intake if known	TG1 = 0.23 f/s TG2 = 07. f/s TG3 = 0.91 f/s
	Dates and types of major equipment upgrades For recertifications: Indicate only those since last certification	none
	Dates, purpose, and type of any recent operational changes For recertifications: Indicate only those since last certification	none
	Plans, authorization, and regulatory activities for any facility upgrades or license or exemption amendments	In relicensing, draft license application filed 01/29/21 https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15708552 appendices: https://elibrary.ferc.gov/eLibrary/filedownload?fileid=15708553
Dam or Diversion	Date of original dam or diversion construction and description and dates of subsequent dam or diversion structure modifications	1908, reconstructed in 1985
	Dam or diversion structure length, height including separately the height of any flashboards, inflatable dams, etc. and describe seasonal operation of flashboards and the like	Height = 26 ft. Length 222.5 ft including 148 ft wide spillway section and 24 ft wide crest gate. 4-ft wooden flashboards on spillway, replaced as needed.
	Spillway maximum hydraulic capacity	The approximate zero-freeboard discharge capacity of the spillway is 13,000 cfs with the flashboards failed. This does not include the hydraulic capacity of the crest gate which has an additional approximate zero-freeboard discharge capacity of 2,000 cfs with the gate completely lowered.
	Length and type of each penstock and water conveyance structure between the impoundment and powerhouse	n/a
	Designated facility purposes (e.g., power, navigation, flood control, water supply, etc.)	Power generation
Conduit Facilities Only	Date of conduit construction and primary purpose of conduit	n/a

Item	Information Requested	Response (include references to further details)
	Source water	n/a
	Receiving water and location of discharge	n/a
Impoundment and Watershed	Authorized maximum and minimum impoundment water surface elevations For recertifications: Indicate if these values have changed since last certification	n/a – run of river
	Normal operating elevations and normal fluctuation range For recertifications: Indicate if these values have changed since last certification	n/a – run of river normal El. 615 ft NGVD29 at top of flashboards. Drawdowns to El. 610.8 ft for flashboard maintenance, and for routine dredging every 3-5 yrs, and periodic dam/gate inspections
	Gross storage volume and surface area at full pool For recertifications: Indicate if these values have changed since last certification	4.8 acres surface area, total storage unknown. Value revised per license application
	Usable storage volume and surface area For recertifications: Indicate if these values have changed since last certification	n/a – run of river 20-acre-ft storage between spillway crest and flashboards. Value revised per license application
	Describe requirements related to impoundment inflow and outflow, elevation restrictions (e.g., fluctuation limits, seasonality) up/down ramping and refill rate restrictions.	run-of-river 10% refill / 90% outflow during impoundment refilling.
	Upstream dams by name, ownership and river mile. If FERC licensed or exempt, please provide FERC Project number of these dams. Indicate which upstream dams have downstream fish passage.	Clarks Sawmill Dam, Edward Larson Old Batchelder Mill, Town of Plainfield Several breached dams and one partially breached. Unknown status of downstream fish passage

Item	Information Requested	Response (include references to further details)																									
	Downstream dams by name, ownership, river mile and FERC number if FERC licensed or exempt. Indicate which downstream dams have upstream fish passage	<p>Montpelier No. 3 Dam, RM 57.41 (partially breached, owner unknown)</p> <p>Bailey Pond, RM 56.1, City of Montpelier</p> <p>Middlesex No 2 Dam RM 49.4 (non-FERC) Bolton Falls Dam RM 39.7, FERC No. 2879 Neither have upstream passage</p> <p>Essex 19 Dam, RM 17.6, FERC No. 2513 Gorge No. 18 Dam, RM 11.4 (non-FERC) (all owned by GMP) Winooski One/Chace Mill Dam, RM 10, FERC No. 2756, Burlington Elec. Dept.</p> <p>Winooski One has an upstream fish lift and trucking above Essex 19.</p>																									
	Operating agreements with upstream or downstream facilities that affect water availability and facility operation	None																									
	Area of land (acres) and area of water (acres) inside FERC project boundary or under facility control. Indicate locations and acres of flowage rights versus fee-owned property.	<p>10.9 acres total</p> <p>4.5 acres land</p> <p>6.4 acres water including 1.07 acres riverine wetland</p>																									
Hydrologic Setting	Average annual flow at the dam, and period of record used	3,507 cfs (1986 - 2017)																									
	Average monthly flows and period of record used	<p>1986 - 2017</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Mean Flow (cfs)</th> </tr> </thead> <tbody> <tr><td>January</td><td>227</td></tr> <tr><td>February</td><td>211</td></tr> <tr><td>March</td><td>430</td></tr> <tr><td>April</td><td>832</td></tr> <tr><td>May</td><td>459</td></tr> <tr><td>June</td><td>256</td></tr> <tr><td>July</td><td>164</td></tr> <tr><td>August</td><td>136</td></tr> <tr><td>September</td><td>117</td></tr> <tr><td>October</td><td>184</td></tr> <tr><td>November</td><td>255</td></tr> <tr><td>December</td><td>269</td></tr> </tbody> </table>	Month	Mean Flow (cfs)	January	227	February	211	March	430	April	832	May	459	June	256	July	164	August	136	September	117	October	184	November	255	December
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Item	Information Requested	Response (include references to further details)
	Location and name of closest stream gaging stations above and below the facility	Upstream: none on mainstem Downstream: USGS # 0428600 WINOOSKI River @ Montpelier
	Watershed area at the dam (in square miles). Identify if this value is prorated from gage locations and provide the basis for proration calculation.	199 sq miles
	Other facility specific hydrologic information	n/a
Designated Zones of Effect	Number of zones of effect	3
	Type of waterbody (river, impoundment, bypassed reach, etc.)	Zone 1 Regulated downstream riverine reach Zone 2 Tailrace bypass reach Zone 3 Impoundment
	Upstream and downstream locations by river miles	Zone 1 58.30 to 59.66 river miles Zone 2 59.66 to 59.70 river miles Zone 3 59.70 to 60.20 river miles
	Delimiting structures or features	Zone 1 - Stevens Branch tributary is the downstream extent Zones 2 and 3 – dam and powerhouse delimit zones Zone 3 – area downstream of breached dam upstream is the upper extent of the impoundment
Pre-Operational Facilities Only		
Expected operational date	Date generation is expected to begin	n/a
Dam, diversion structure or conduit modification	Description of modifications made to a pre-existing conduit, dam or diversion structure needed to accommodate facility generation. This includes installation of flashboards or raising the flashboard height. Date the modification is expected to be completed	n/a
Change in water flow regime	Description of any change in impoundment levels, water flows or operations required for new generation	n/a

Vermont Department of Environmental Conservation

Watershed Management Division

1 National Life Drive, Davis 3

[phone] 802-585-8189

Montpelier, VT 05620-3522

<https://dec.vermont.gov/watershed>*Agency of Natural Resources*

January 13, 2021

Mathew Rubin
General Partner
Winooski Hydroelectric Co.
26 Maple Street
Montpelier, VT 05602

RE: Winooski 8 Hydroelectric Project (FERC No. 6470) – Status of FERC Relicensing

Dear Mr. Rubin,

As you are aware there are a number of hydroelectric projects currently undergoing FERC relicensing in Vermont. Given the large workload associated with these projects, the Vermont Agency of Natural Resources (Agency) wanted to touch base on where the Winooski 8 Hydroelectric Project (Project) is within the FERC relicensing process. Below, the Agency provides its understanding of the status of the project and the information that has been received by the Agency to date. The FERC process has a final license application filing date in July 2021.

General Comments: The Pre-Application Document for Winooski 8 Hydroelectric Project was submitted in July 2018 and the Project is using the TLP process. The Project is currently in the second stage of the TLP where the applicant completes studies, drafts reports/application, and resource agency comments on drafts. With the 2020 field season completed, this concludes the second year of study for the Project. As the Agency understands it, the Applicant is proposing the Project be relicensed as a run-of-river facility with no change in operations or major upgrades at the Project.

Status of Studies

<i>Study</i>	<i>Study Plan Received</i>	<i>Study Report Received</i>
Bypass Flow Study	Yes	Yes
Sediment Removal Study	Yes	In part
Water Quality Study	Yes	No*
Mussel Study	Yes	Yes
Aesthetic Flow Study	Yes	Yes

*At Agency's recommendation

Given the table above, the remaining outstanding information needs include a sediment removal plan as part of the sediment removal study and the water quality study. The Agency hopes to continue to work with Winooski Hydroelectric Co. to complete the collection of any necessary information and complete second stage consultation. The Agency notes that the water quality study will be delayed until after relicensing due to operational changes occurring upstream at the Mollys Falls Hydroelectric Project. This approach will ensure the data reviewed accurately reflects the baseline conditions that will occur over the term of the new license and identify any potential project effects.

If there is any information you can provide on an anticipated timeline for completing second stage consultation it would be greatly appreciated. Please reach out if there are any questions, corrections, or concerns. We look forward to continuing to work with you on the relicensing process for the Winooski 8 Hydroelectric Project.

Truly Yours,

A handwritten signature in cursive script, appearing to read "Betsy P. Simard".

Betsy Simard,
River Ecologist

cc. Mark Wamser, Gomez and Sullivan
Jeff Crocker, VTDEC
Eric Davis, VTDEC
Hannah Harris, VTFWD
Bret Ladago, VTFWD





Contacts Forms

All applications for LIHI Certification must include complete contact information.

A. Applicant-related contacts

Facility Owner:	
Name and Title	Mathew Rubin, General Partner
Company	Winooski Hydroelectric Company
Phone	802-223-7141
Email Address	m@mrubin.biz
Mailing Address	26 State Street Montpelier, VT 05602
Facility Operator (if different from Owner):	
Name and Title	Same as above
Company	
Phone	
Email Address	
Mailing Address	
Consulting Firm / Agent for LIHI Program (if different from above):	
Name and Title	n/a
Company	
Phone	
Email Address	
Mailing Address	
Compliance Contact (responsible for LIHI Program requirements):	
Name and Title	Same as above
Company	
Phone	
Email Address	
Mailing Address	
Party responsible for accounts payable:	
Name and Title	Same as above
Company	
Phone	
Email Address	
Mailing Address	

B. Agency and Stakeholder Contacts

Agency Contact		Area of Responsibility
Agency Name	U.S. Fish and Wildlife Service	<input checked="" type="checkbox"/> Flows
Name and Title	Melissa Grader, Fish and Wildlife Biologist	<input type="checkbox"/> Water Quality
Phone	413-548-8002 x8124	<input checked="" type="checkbox"/> Fish/Wildlife
Email address	Melissa_Grader@fws.gov	<input type="checkbox"/> Watershed
Mailing Address	New England Regional Field Office 103 East Plumtree Road Sunderland, MA 01375	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation
Agency Contact		Area of Responsibility
Agency Name	Vermont DEC, Watershed Division	<input checked="" type="checkbox"/> Flows
Name and Title	Mr. Jeff Crocker, Streamflow Protection Coordinator	<input checked="" type="checkbox"/> Water Quality
Phone	802-490-6151	<input type="checkbox"/> Fish/Wildlife
Email address	jeff.crocker@vermont.gov	<input checked="" type="checkbox"/> Watershed
Mailing Address	One National Life Drive Main Building, 2nd Floor Montpelier, VT 05620	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation
Agency Contact		Area of Responsibility
Agency Name	Vermont Fish and Wildlife Department	<input checked="" type="checkbox"/> Flows
Name and Title	Ms. Hannah Harris, Flow Protection Biologist	<input checked="" type="checkbox"/> Water Quality
Phone	802-279-7913	<input checked="" type="checkbox"/> Fish/Wildlife
Email address	Hannah.harris@vermont.gov	<input checked="" type="checkbox"/> Watershed
Mailing Address	One National Life Drive Main Building, 2nd Floor Montpelier, VT 05620	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation
Agency Contact		Area of Responsibility
Agency Name	Vermont DEC, Watershed Division	<input checked="" type="checkbox"/> Flows
Name and Title	Eric Davis, River Ecologist	<input type="checkbox"/> Water Quality
Phone	802-490-6180	<input checked="" type="checkbox"/> Fish/Wildlife
Email address	eric.davis@vermont.gov	<input type="checkbox"/> Watershed
Mailing Address	One National Life Drive Main Building, 2nd Floor Montpelier, VT 05620	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation

Agency Contact		Area of Responsibility
Agency Name	Vermont Department of Environmental Protection Ms. Betsy Simard Betsy.simard@vermont.gov One National Life Drive, Davis 3 Montpelier, VT 05620-3208	<input checked="" type="checkbox"/> Flows
Name and Title		<input checked="" type="checkbox"/> Water Quality
Phone		<input type="checkbox"/> Fish/Wildlife
Email address		<input checked="" type="checkbox"/> Watershed
Mailing Address		<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation
Agency Contact		Area of Responsibility
Agency Name	Vermont Fish & Wildlife Mr. Steve Parren, Wildlife Diversity Program Mgr. 802-371-7142 steve.parren@vermont.gov Department 111, West Street Essex Junction, VT 05452	<input type="checkbox"/> Flows
Name and Title		<input type="checkbox"/> Water Quality
Phone		<input checked="" type="checkbox"/> Fish/Wildlife
Email address		<input type="checkbox"/> Watershed
Mailing Address		<input checked="" type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation
Agency Contact		Area of Responsibility
Agency Name	Vermont Division for Historic Preservation Laura Trieschmann State Historic Preservation Officer 802-828-3540 laura.trieschmann@vermont.gov 1 National Life Drive Davis Building, 6th Floor Montpelier, VT 05620	<input type="checkbox"/> Flows
Name and Title		<input type="checkbox"/> Water Quality
Phone		<input type="checkbox"/> Fish/Wildlife
Email address		<input type="checkbox"/> Watershed
Mailing Address		<input type="checkbox"/> T&E Species
		<input checked="" type="checkbox"/> Cultural/Historic
		<input type="checkbox"/> Recreation

C. Current stakeholder contacts that are actively engaged with the facility (copy and repeat the following table as needed).

Stakeholder Contact		Area of Responsibility
Organization Name	Friends of the Winooski River	<input checked="" type="checkbox"/> Flows
Name and Title	Ms. Ann Smith	<input checked="" type="checkbox"/> Water Quality
Phone		<input checked="" type="checkbox"/> Fish/Wildlife
Email address	ann@winooskiriver.org	<input checked="" type="checkbox"/> Watershed
Mailing Address	P.O. Box 777 Montpelier, VT 05601	<input checked="" type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input checked="" type="checkbox"/> Recreation
Stakeholder Contact		Area of Responsibility
Organization Name	MadDog Trout Unlimited	<input checked="" type="checkbox"/> Flows
Name and Title	Clark Amadon, Jared Carpenter	<input checked="" type="checkbox"/> Water Quality
Phone		<input checked="" type="checkbox"/> Fish/Wildlife
Email address	clark@amadononline.net , rjaredcarpenter@gmail.com	<input type="checkbox"/> Watershed
Mailing Address	PO Box 892 Montpelier, VT 05601	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input checked="" type="checkbox"/> Recreation
Stakeholder Contact		Area of Responsibility
Organization Name	Central Vermont Regional Planning Commission	<input checked="" type="checkbox"/> Flows
Name and Title	Daniel Currier, Program Manager	<input checked="" type="checkbox"/> Water Quality
Phone		<input checked="" type="checkbox"/> Fish/Wildlife
Email address	currier@cvregion.com	<input checked="" type="checkbox"/> Watershed
Mailing Address	29 Main Street, Suite 4 Montpelier, VT 05602	<input checked="" type="checkbox"/> T&E Species
		<input checked="" type="checkbox"/> Cultural/Historic
		<input checked="" type="checkbox"/> Recreation
Stakeholder Contact		Area of Responsibility
Organization Name	Vermont Paddlers Club	<input checked="" type="checkbox"/> Flows
Name and Title	Michael Mainer Hugh Pritchard	<input type="checkbox"/> Water Quality
Phone		<input type="checkbox"/> Fish/Wildlife
Email address	Mainer.michael@gmail.com hughpritchard@gmail.com	<input type="checkbox"/> Watershed
Mailing Address	37 Terrace Street Montpelier, VT 05602	<input type="checkbox"/> T&E Species
		<input type="checkbox"/> Cultural/Historic
		<input checked="" type="checkbox"/> Recreation

Native American Tribes	
Roger Longtoe Sheehan, Chief Elnu Tribe of the Abenaki Tribal Headquarters 5243 VT Route 30 Jamaica, VT, 05343 gitceedadann@yahoo.com	Ronny Burt, Chief Abenaki Nation at Missisquoi 100 Grand Avenue Swanton, VT 05488
Don Stevens, Chief Nulhegan Abenaki Tribe 156 Bacon Drive Shelburne, VT 05482 chiefdonstevens@comcast.net	Paul J. Bunnell, Chief Koasek Traditional Band of the Koas Abenaki Nation 32 Hoit Mill Road, #202 Weare, NH 03281 koasek@yahoo.com BunnellLoyalist@aol.com

Sworn Statement and Waiver Form

All applications for LIHI Certification must include the following sworn statement before they can be reviewed by LIHI:

SWORN STATEMENT

As an Authorized Representative of Winooski Hydroelectric Company, the Undersigned attests that the material presented in the application is true and complete.

The Undersigned acknowledges that the primary goal of the Low Impact Hydropower Institute's certification program is public benefit, and that the LIHI Governing Board and its agents are not responsible for financial or other private consequences of its certification decisions.

The Undersigned further acknowledges that if LIHI Certification of the applying facility is granted, the LIHI Certification Mark License Agreement must be executed prior to marketing the electricity product as LIHI Certified®.

The Undersigned further agrees to hold the Low Impact Hydropower Institute, the Governing Board and its agents harmless for any decision rendered on this or other applications, from any consequences of disclosing or publishing any submitted certification application materials to the public, or on any other action pursuant to the Low Impact Hydropower Institute's certification program.

FOR PRE-OPERATIONAL CERTIFICATIONS:

The Undersigned acknowledges that LIHI may suspend or revoke the LIHI Certification should the impacts of the facility, once operational, fail to comply with the LIHI program requirements.

Company Name: Winooski Hydroelectric Company

Authorized Representative:

Name: Matthew Rubin

Title: General Partner

Authorized Signature: Matthew Rubin

Date: 3-25-2021