

# Alouette Project Water Licence Renewal

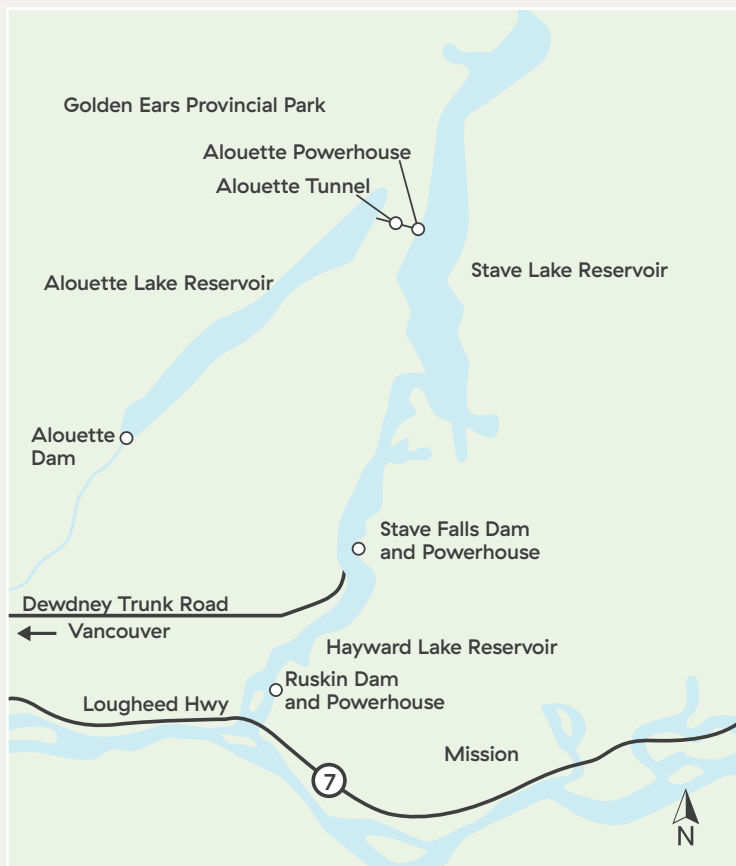
## Questions and answers

This document provides an overview of the Alouette Project facilities and answers questions specific to the Alouette water licence renewal process. More detailed information is available at [bchydro.com/waterlicenser renewal](https://www.bchydro.com/waterlicenser renewal).

If you have any questions or comments about the renewal, in general or in relation to your property or interests, please contact us at 1 866 647 3334 or [projects@bchydro.com](mailto:projects@bchydro.com).

### Q1 Where are the Alouette facilities located?

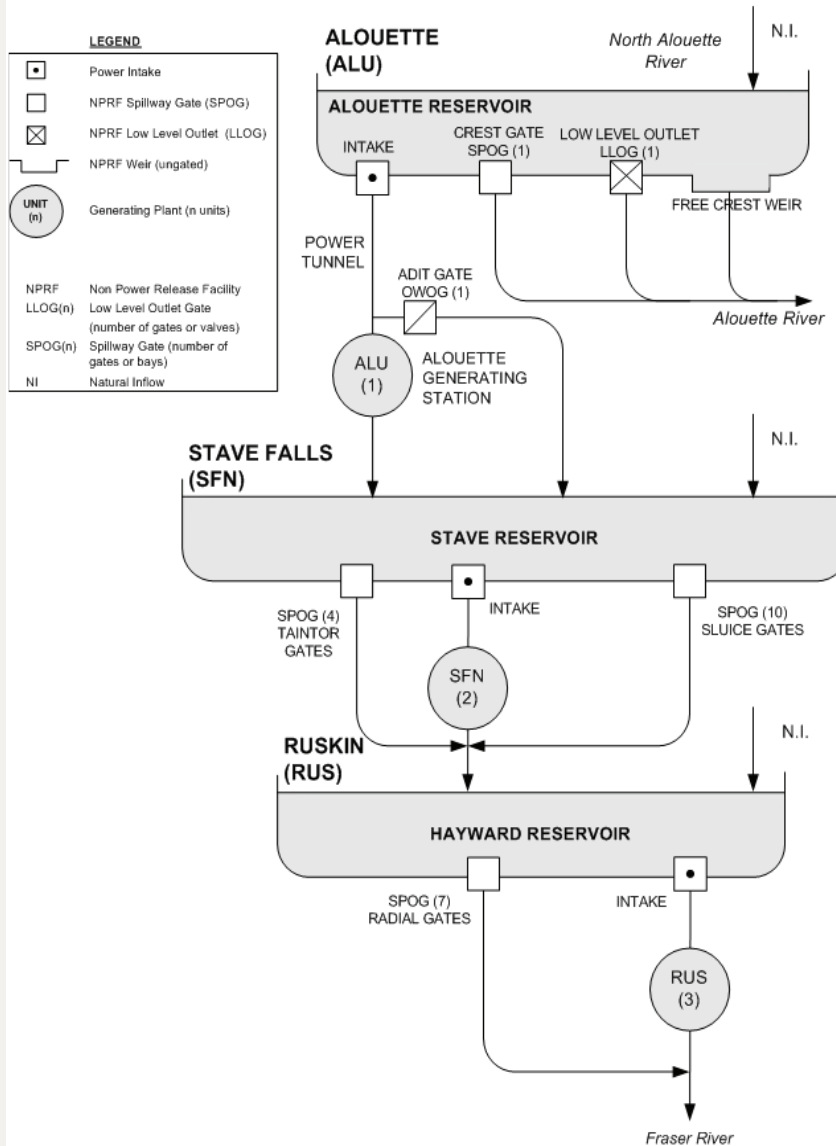
- A1**
- The Alouette Project is part of the Alouette–Stave–Ruskin hydroelectric system located approximately 15 km north of Maple Ridge and Mission.
  - The Alouette Project includes:
    - Alouette Dam
    - Alouette Lake Reservoir
    - A power tunnel from Alouette Lake Reservoir to Stave Lake Reservoir (shown as Alouette Tunnel on the figure below)
    - Alouette Generating Station



A2

- Alouette Dam impounds water which flows through a tunnel from Alouette Lake Reservoir to Alouette Generating Station or to an adit gate and then into Stave Lake Reservoir.
- Water from Alouette Lake Reservoir can be used three times as it passes through each of the Alouette, Stave and Ruskin powerhouses.
- Alouette Generating Station is currently out of service.

### ALOUETTE/STAVE/RUSKIN SYSTEM



- The project facilities are operated in accordance with our Water Licence conditions and Orders.

<b>Q3</b>	<b>How many existing water licences are there and which are being renewed?</b>																							
<b>A3</b>	<p><input type="radio"/> We have three licences associated with the Alouette Project.</p> <table border="1"> <thead> <tr> <th>Licence</th> <th>Purpose</th> <th>Metric</th> <th>Initial issue date</th> <th>Expiry date</th> </tr> </thead> <tbody> <tr> <td>FWL 124724</td> <td>Diversion from Alouette Reservoir to Alouette Generating Station</td> <td>8.50 m<sup>3</sup>/s (30% of diversion)</td> <td>Sept 4, 1929</td> <td>Dec 31, 2018</td> </tr> <tr> <td>FWL 124725</td> <td>Diversion from Alouette Reservoir to Alouette Generating Station</td> <td>19.82 m<sup>3</sup>/s (70% of diversion)</td> <td>Sept 9, 1909</td> <td>None</td> </tr> <tr> <td>FWL 124726</td> <td>Storage in Alouette Lake Reservoir</td> <td>198.59 Mm<sup>3</sup> 112.6–125.51 m (100% of storage)</td> <td>Sept 9, 1909</td> <td>None</td> </tr> </tbody> </table> <p><input type="radio"/> We are renewing licence FWL124724 as it has an expiry date of December 31, 2018. We are not proposing any changes to the existing licence conditions or facility footprint as part of the licence renewal. We will continue to operate our facilities in accordance with our Water Licence conditions and Orders. Our rights under the licences are protected until the Comptroller of Water Rights makes a decision regarding the renewal application.</p> <p><input type="radio"/> The other licences do not need to be renewed as they have no expiry date.</p>				Licence	Purpose	Metric	Initial issue date	Expiry date	FWL 124724	Diversion from Alouette Reservoir to Alouette Generating Station	8.50 m <sup>3</sup> /s (30% of diversion)	Sept 4, 1929	Dec 31, 2018	FWL 124725	Diversion from Alouette Reservoir to Alouette Generating Station	19.82 m <sup>3</sup> /s (70% of diversion)	Sept 9, 1909	None	FWL 124726	Storage in Alouette Lake Reservoir	198.59 Mm <sup>3</sup> 112.6–125.51 m (100% of storage)	Sept 9, 1909	None
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<b>Q4</b>	<b>Why does BC Hydro have two licences for diversion from Alouette Reservoir?</b>																							
<b>A4</b>	<p><input type="radio"/> We have two licences because the licences were issued at different times and for different time periods.</p>																							
<b>Q5</b>	<b>If BC Hydro is not generating at Alouette, why is the licence renewal needed?</b>																							
<b>A5</b>	<p><input type="radio"/> We intend to resume generation at Alouette Generating Station sometime in the future.</p> <p><input type="radio"/> Until that happens, our goal is to keep the system safe, including the ability to divert water from Alouette Lake Reservoir to Stave Lake Reservoir.</p>																							
<b>Q6</b>	<b>How is the water being diverted?</b>																							
<b>A6</b>	<p><input type="radio"/> The water is being diverted through an adit gate into an existing diversion tunnel into Stave Lake Reservoir. This is the same diversion tunnel used under FWL 124725 to divert 19.82 m<sup>3</sup>/s of water from Alouette Lake Reservoir to Stave Lake Reservoir.</p>																							
<b>Q7</b>	<b>What area is being considered in the water licence renewal application?</b>																							
<b>A7</b>	<p><input type="radio"/> The area being considered is the area with which the licence is associated is the area where any potential effects associated with the licence being renewed are expected to occur.</p>																							
<b>Q8</b>	<b>Is there a Water Use Plan for the Alouette Project?</b>																							
<b>A8</b>	<p><input type="radio"/> Yes, there have been two Water Use Plans developed for the Alouette Project through multi-stakeholder consultative processes. The first plan was completed in September 1996 and the 1996 Plan review (May 2005 to August 2006) resulted in the 2009 Water Use Plan (<a href="http://bchydro.com/content/dam/hydro/medialib/internet/documents/environment/pdf/wup_-_alouette_wup.pdf">bchydro.com/content/dam/hydro/medialib/internet/documents/environment/pdf/wup_-_alouette_wup.pdf</a>) and subsequent Order.</p> <p><input type="radio"/> The Order issued by the Comptroller of Water Rights is one of the documents that guide operation of the Alouette facilities.</p> <p><input type="radio"/> As we have completed the Order requirements, we are undertaking a review of our compliance with the Order. Although they are separate projects, the Order review and licence renewal schedules do overlap. More information on the Order Review can be found at <a href="http://bchydro.com/alouette">bchydro.com/alouette</a>.</p>																							

<b>Q9</b>	<b>Who Is BC Hydro consulting and engaging with regarding the Alouette licence renewal?</b>
<b>A9</b>	<ul style="list-style-type: none"> <li>○ We are consulting and engaging with First Nations with an interest in the licence renewal, regulatory agencies, and those who may be directly affected by the licence renewal as identified in the <i>Water Sustainability Act</i> (i.e., an authorization holder, a change approval holder, an applicant for an authorization or change approval, a riparian owner or a land owner whose land is likely to be physically affected if the renewal is granted).</li> </ul>
<b>Q10</b>	<b>What is the schedule for the Alouette licence renewal?</b>
<b>A10</b>	<ul style="list-style-type: none"> <li>○ Our schedule is as follows: <ul style="list-style-type: none"> <li>○ Between fall 2016 and September 2018 we undertook consultation and engagement and prepared the Renewal Application (i.e., Water Development Plan and online application forms).</li> <li>○ We submitted our Renewal Application in September 2018 and, since that time, have been involved in the technical review phase. We plan to submit the findings of the technical review phase in second quarter 2022.</li> <li>○ The Comptroller of Water Rights will then initiate a referral and review process and make a decision on our application.</li> </ul> </li> </ul>