



# Province of British Columbia

## *Water Sustainability Act*

### CONDITIONAL WATER LICENCE

The Greater Vancouver Water District is hereby authorized to divert and use water as follows:

- a) The stream on which the rights are granted is Seymour River, a tributary to Burrard Inlet.
- b) The point of diversion denoted as PD185693 is on Seymour Reservoir, at an elevation of 214.77 metres above sea level, and is located as shown on the attached plan.
- c) The date from which this licence shall have precedence is March 26, 2013.
- d) The purpose for which this licence is issued is Power (general), which is to be generated with the Seymour River Generating Station.
- e) The maximum quantity of water which may be diverted and used under this licence is 16.2 cubic meters per second for Power (general), subject to the following:
  1. Minimum flows from the Seymour Falls Dam, as measured at point of discharge below the dam, shall be released into the lower Seymour River for fisheries and recreation interests, as per Capilano Seymour Joint Water Use Plan (JWUP) Order, dated January 26, 2018, issued by the Comptroller of Water Rights (copy of the order attached);
  2. The works shall be operated in such a manner as to maintain drinking water flow releases as first priority, provide environmental flow releases as second priority and hydroelectric generation as third priority;
  3. The Seymour River Generating Station shall be operated as per the parameters specified in the JWUP Order; and
  4. The Burwell Lake and Loch Lomond storages authorized under Final Water Licence F008690 shall not be used to augment the volume of water stored in Seymour Reservoir for power purpose.
- f) The period of the year during which the water may be used is the whole year.
- g) This licence is appurtenant to the undertaking of the Greater Vancouver Water District to generate and supply power from the powerhouse of the Seymour River Generating System situated on that part of District Lot 1597, Group 1, New Westminster District.

h) The works authorized for the Seymour River Generating System are:

1. Intake;
2. Penstock;
3. Access roads;
4. Powerhouse, tailrace and switch yard; and
5. Transmission line;

which shall be located approximately as shown on the attached plan.

i) The project development term of this licence is 10 years from the date of issuance of this licence and the construction of the said works shall be completed and the water shall be beneficially used prior to expiry of this term. Thereafter, the licensee shall continue to make regular beneficial use of the water in the manner authorized herein.

j) Before commencing construction of the works authorized under clause (h) of this licence, the licensee must to the satisfaction of the Engineer under the Water Sustainability Act (the "Engineer") or the Water Manager:

1. Retain a Professional Engineer registered in the Province of British Columbia (the "Independent Engineer") who will provide services to the Engineer or the Water Manager for the regulation of construction of the works;
2. Retain a person with professional qualifications (the "Environmental Monitor") who will monitor environmental impacts during the construction of the works;
3. Submit the following:
  - a. Plans that show the general arrangement of the works;
  - b. Criteria for the design of the works;
  - c. Criteria for the operation of the works;
  - d. A schedule for the construction of the works; and
  - e. A Construction Environmental Management Plan (CEMP) for the management and mitigation of construction impacts;
4. Any alteration to the existing Seymour Falls Dam, is subject to the Dam Safety Regulation, and shall be designed, constructed, and maintained to the satisfaction of Dam Safety Officer under the Water sustainability Act and in accordance with the Canadian Dam Association Guidelines and the licensee must:
  - a. Submit a Dam Safety Interim Risk Management Plan to the Dam Safety Officer for acceptance prior to any alteration of the existing Seymour Falls Dam.
5. Obtain Leave to Commence Construction (LCC) in writing from the Engineer or the Water Manager.

k) Before undertaking construction of any component of works listed in clause h) above, for which the LCC is issued under j) 5. above, the licensee must:

1. Ensure that the design drawings for the works to be constructed are signed and sealed by a professional engineer registered in the province of British Columbia

- (the "Design Engineer");
2. Ensure that a professional engineer registered in the province of British Columbia (the "Construction Engineer") supervises the construction of the works; and
  3. Obtain Leave to Construct from the Independent Engineer that the actual construction of that component work may proceed.
- l) The licensee must operate the works authorized under clause (h) of this licence in accordance with the JWUP Order, dated January 26, 2018, or any amendment to the Order, issued by the Comptroller of Water Rights:
1. Before commencing the diversion and use of water for commissioning of the works, the licensee must:
    - a. Submit an Operating Parameters and Procedures Report (OPPR) for acceptance by the Water Manager for the operation of the works;
    - b. Submit a draft Operation, Maintenance and Surveillance (OM&S) Manual and draft Dam Emergency Plan (DEP) for acceptance by the Dam Safety Officer; and
    - c. Obtain Leave to Commence Diversion and use of water authorized in this licence in writing from the Water Manager.
- m) The diversion of water authorized under this licence may be restricted or prohibited at any time by an Order in writing of an Engineer under the Water Sustainability Act or the Water Manager, for the regulation of the diversion, rate of the diversion, and use of the water as may be required for the preservation of fish, wildlife, or navigation.
- n) The drawings of record that show the works as they were constructed, must be stored and archived, and shall be provided for review when directed by the Water Manager.
- o) Within one year of operations, submit a final Operation, Maintenance and Surveillance Manual and final Dam Emergency Plan for acceptance to the Dam Safety Officer.
- p) The project operational term of this licence is for a period of 40 years commencing from the expiry date of the project development term authorized under clause i) of this licence, or commencement of power production date, whichever occurs earlier.
- q) This licence is granted subject to the reservation under Order in Council 544/2005.



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