



Paul St. Cyr
DPW Commissioner

Ting Chang, P.E.
City Engineer

MEMORANDUM

TO: Thomas A. Golden, Jr., City Manager 

FROM: Ting Chang, City Engineer

CC: Paul St. Cyr, DPW Commissioner

DATE: July 25, 2023

SUBJECT: MOTION RESPONSE: Motion was made by Councilor Yem– Request City Manager Have The Proper Department Look Into The Possibility Of Using Existing Canal Waterways To Harness Hydroelectricity

Canal waterways are privately owned by Patriot Hydro. There is a 20.2-megawatt Hydroelectric project in Lowell (FERC No. 2790) licensed and operator by Boott Hydropower, LLC. See Attached eFiling letter of this project by Boott Hydropower with Federal Energy Regulatory Commission dated June 14, 2023.



Boott Hydropower, LLC
670 N. Commercial Street, Suite 204
Manchester, NH 03101

Via eFiling

June 14, 2023

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

**Re: Lowell Hydroelectric Project (FERC No. 2790-074);
Request for Extension of Time**

Dear Secretary Bose:

Boott Hydropower, LLC (Boott or Licensee) is the Licensee, owner, and operator of the 20.2-megawatt Lowell Hydroelectric Project (Project or Lowell Project) (FERC No. 2790). Boott operates the Project under a license from the Federal Energy Regulatory Commission (FERC or Commission). The Project's existing license expires on April 30, 2023. Boott is pursuing a new license for the Project using the Commission's Integrated Licensing Process as defined in 18 Code of Federal Regulations (C.F.R.) Part 5. In accordance with the applicable regulations at 18 C.F.R. § 5.17(a), Boott filed a final application for a new license (Final License Application or FLA) with the Commission on April 30, 2021.

On February 14, 2023, Commission staff issued a Deficiency of License Application and Additional Information Requests (AIR). In the AIR, FERC requested the submittal of an updated Exhibit F set, and an updated Supplemental Supporting Design Report (SDR) to include stability and stress analyses for all major structures and critical abutment slopes under all probable loading conditions, as well as the spillway and tailwater rating curves for applicable structures. FERC requested this information within 90 days of filing their AIR, giving Boott a deadline of May 15, 2023. On May 15, 2023 Boott requested an extension to file the Exhibit F, the SDR, and the revised Exhibit E document on June 14, 2023. The request for extension was granted by FERC on May 30, 2023.

Although the work is far underway, Boott's technical consultants determined that they more time to finalize and review the information associated with Deficiency 1 and 2, and AIRs 5, 8, 9, and 10. These are the items associated with the updated set of Exhibit Fs and the SDR. The Exhibit F updates have required a significant amount of research and review, and they need further review for accuracy, organization, and thoroughness. Boott is searching all available databases and archives to obtain this information. The SDR calculations required an in-depth analysis of available documentation of structures, and development of stability and stress analyses based on their Significant Hazard classification.

Lowell Hydroelectric Project (FERC No. 2790)
June 14, 2023

Boott is hereby requesting an extension of time of 30 days to file the information associated with the updated Exhibit Fs, revised Exhibit E, and the SDR, with a filing date by July 14, 2023.

Please do not hesitate to contact me at (978) 935-6039 or kwebb@patriohydro.com if you have any questions concerning this submittal.

Sincerely,

Boott Hydropower, LLC



Kevin Webb
Hydro Licensing Manager