

March 8, 2017

Decision 22421-D01-2017

ENMAX Power Corporation
141 – 50 Avenue S.E.
Calgary, Alberta T2G 4S7

Attention: Debbie Kovacs
Regulatory Manager, Facilities Applications

**ENMAX No. 36 Substation Alteration
Proceeding 22421
Application 22421-A001**

Letter of enquiry approval

1. ENMAX Power Corporation (ENMAX) filed a letter of enquiry with the Alberta Utilities Commission to replace the outdoor 13.8-kilovolt switchgear equipment with an indoor arc resistant switchgear. The new switchgear would be housed within a new metal control building with dimensions of approximately 18 metres by 11 metres at the ENMAX No. 36 Substation. The proposed work is in relation to facilities previously constructed and operating in accordance with approval granted in Permit and Licence U2011-235.¹ Approval is required for this work under Section 11 of the *Hydro and Electric Energy Regulation*.
2. ENMAX has conducted arc flash studies and concluded that there is a potential risk of arc flash energy levels exceeding the minimum threshold on the outdoor switchgear. In addition, ENMAX observed that the deteriorating condition of the outdoor switchgear equipment has increased the probability of the arc flash exposure for crews performing maintenance. ENMAX submitted that the new arc resistant switchgear would enhance safety for personnel and equipment, and ensure continued system reliability.
3. ENMAX is aware of isolated staining in the vicinity of a transformer at the substation and committed to sample, analyze and ensure proper disposal should this material or other suspect material be encountered during construction of the project. ENMAX submitted that any construction noise would be intermittent and in full compliance with Rule 012: *Noise Control*.
4. ENMAX has provided information respecting the need, nature, extent, land affected, land ownership and the timing of the work, in accordance with the requirements of Section 12 of the *Hydro and Electric Energy Regulation*. ENMAX has also stated that no adverse environmental impact will be caused by the proposed work.

¹ Substation Permit and Licence U2011-235, Proceeding 1076, Application 1607030, July 20, 2011.

5. Based upon the information provided, ENMAX has demonstrated that the proposal is of a minor nature, no other person is directly and adversely affected by the proposal and no adverse environmental impact will be caused by the proposed alterations, thereby meeting the requirements of Section 11 of the *Hydro and Electric Energy Regulation*.

6. The Commission approves the application. Permit and Licence 22421-D02-2017 is attached.

Alberta Utilities Commission

(original signed by)

Wade Vienneau
Executive Director, Facilities Division
On behalf of the Alberta Utilities Commission

Attachment