

July 6, 2016

Decision 21732-D01-2016

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

Attention: Debbie Kovacs
Regulatory Manager, Facility Applications

Southwest Calgary Ring Road Project
Realignment of a portion of Transmission Line 138-7.82L
Proceeding 21732
Application 21732-A001

Letter of enquiry approval

1. ENMAX Power Corporation (ENMAX) filed a letter of enquiry with the Alberta Utilities Commission on June 17, 2016, for approval to realign a portion of the existing 138-kilovolt (kV) Transmission Line 138-7.82L, located in Section 3, Township 24, Range 2, west of the Fifth Meridian.
2. The proposed work is in relation to facilities previously approved in Permit and Licence U2004-153¹ for the Transmission Line 138-7.82L between ENMAX No. 7 Substation and AltaLink Management Ltd. (AltaLink) Sarcee 42S Substation. Approval is required for this work under Section 11 of the *Hydro and Electric Energy Regulation*.
3. ENMAX submitted that Alberta Transportation is expanding the interchange at 69th Street and Glenmore Trail (Highway 8) in southwest Calgary to accommodate the construction of the Southwest Calgary Ring Road (SWCRR) project and has requested ENMAX to realign a portion of Transmission Line 138-7.82L. ENMAX provided a copy of the letter of non-objection from Alberta Infrastructure for the proposed new alignment.
4. ENMAX stated that Transmission Line 138-7.82L currently starts from ENMAX No. 7 Substation, travels southward, turns east along Glenmore Trail southwest, crosses 69th Street southwest and terminates at AltaLink Sarcee 42S Substation.
5. ENMAX explained that the proposed new alignment would move a portion of the Transmission Line 138-7.82L that crosses 69th Street southwest, northward from the existing alignment and increase its height, in order to accommodate a new intersection for the SWCRR project.

¹ Permit and Licence U2004-153, Application 1344485, May 31, 2004.

6. ENMAX proposed to replace eight existing wooden poles with eight steel monopole structures, as described below, and realign the existing line within the SWCRR Transportation Utility Corridor.

Existing structures	Type of the existing structures	Height (m) of the existing structures	Type of the new structures	Height (m) of the new structures	Approximate relocation, north from the existing structures (m)
138-7.82-79	wood	20.42	steel monopole	22.00	3.10
138-7.82-80	wood	19.27	steel monopole	26.00	6.80
138-7.82-81	wood	18.80	steel monopole	26.50	10.30
138-7.82-82	wood	19.25	steel monopole	28.00	12.00
138-7.82-83	wood	15.82	steel monopole	25.00	14.60
138-7.82-84	wood	18.07	steel monopole	26.00	21.10
138-7.82-85	wood	16.56	steel monopole	24.00	5.90
138-7.82-86	wood	18.01	steel monopole	22.00	2.40

7. ENMAX submitted that the existing transmission structures are wooden poles, ranging in height from 15.82 to 20.42 metres, which would be removed and replaced with the new steel structures. The proposed new transmission structures would be self-supporting monopoles with a height of 22 to 28 metres in order to allow adequate height clearance for the new interchange and widening of Glenmore Trail (Highway 8). ENMAX added that the steel structures were required because of the height of the proposed structures, the length of spans and space constraints.

8. ENMAX stated that the proposed transmission alignment would be relocated north of the existing alignment along Glenmore Trail southwest with the largest alignment change of approximately 21.1 metres north of the existing transmission structure 138-7.82-84.

9. ENMAX submitted that it conducted a participant involvement program for the proposed project in accordance with Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments*. ENMAX indicated that it mailed the project-specific information to all landowners, occupants and residents within the first row of development surrounding the proposed project, local and provincial government officials, the Tsuut'ina First Nation, community associations and industry stakeholders. ENMAX also indicated that it conducted personal consultations with the stakeholders in the project area.

10. ENMAX submitted that some concerns expressed by a few residents included visual impacts and the possibility of burying the transmission lines. ENMAX stated that all concerns had been addressed by its representatives during consultation. It was not aware of any outstanding concerns from stakeholders. ENMAX committed to continue its participant involvement program with residents until completion of the proposed project.

11. ENMAX stated that it did not expect any adverse impacts to environment because the proposed project would be located within the SWCRR Transportation Utility Corridor.

12. ENMAX stated that it expected the construction noise to be intermittent and to be in compliance with Rule 012: *Noise Control* and the City of Calgary noise bylaws.

13. The total cost of the proposed project was estimated by ENMAX to be approximately \$1.11 million (within +20 per cent/-10 per cent accuracy). ENMAX stated that Alberta Transportation had agreed to pay for the full cost because the project is proposed as part of the SWCRR project.

14. Construction of the proposed project would commence in late October 2016 with commissioning expected on November 18, 2016.

15. 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 would be caused by the proposed work.

16. 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 project, thereby meeting the requirements of Section 11 of the *Hydro and Electric Energy Regulation*.

17. The Commission approves the application. Permit and Licence 21732-D02-2016 is attached.

Alberta Utilities Commission

(original signed by)

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

Attachment