

NORTHWEST CALGARY

Transmission Line Relocation Project



PROJECT OVERVIEW

ENMAX Power Corporation (ENMAX Power) owns and operates transmission line 16.61L (16.61L) which has provided electrical services to residential and commercial properties in Calgary's Collingwood, Charleswood, Brentwood and Dalhousie communities since the early 1960s.

Through its regular inspection program, ENMAX Power has determined that most of the existing wood poles and/or components (including insulators, crossarms and hardware) have reached their anticipated end of life. As a result, ENMAX Power intends to apply to the Alberta Utilities Commission (AUC) to replace and/or relocate a portion of the existing 16.61L (the Project).

PROJECT DETAILS

ENMAX Power has identified **two routes** for the Project:

- **Route #1: Partial Relocation Route** which will replace a portion of 16.61L in its existing alignment within the Dalhousie community and relocate a portion of 16.61L to a new alignment along John Laurie Boulevard and within the Brentwood community.
- **Route #2: Complete Relocation Route** which will relocate nearly all of 16.61L to a new alignment.

Route #1 and Route #2 will both involve relocating the existing 16.61L along John Laurie Boulevard in the Charleswood and Collingwood communities.

In the Brentwood community, Route #1 and Route #2 will both involve relocating the existing 16.61L away from private property to allow for necessary maintenance access. Distribution services will remain in place along the existing alignment in this area, meaning that the height of existing poles that currently house both 16.61L and distribution wires will be shortened, while existing distribution poles that do not support 16.61L will remain unchanged.

In the Dalhousie community, ENMAX Power is proposing to either replace the poles along the current alignment (Partial Relocation Route) or relocate the transmission line to a new alignment, primarily within existing roadways and utility right-of-way (Complete Relocation Route).

During the stakeholder consultation process, ENMAX Power will continue to evaluate route options to determine the preferred and alternate route prior to filing the application with the AUC.

PROPOSED SCHEDULE

ENMAX Power plans to file a Facility Application with the AUC for approval of the Project in Q2 2022. Subject to receiving approvals and procuring materials, construction is anticipated to occur in Q3 2023.

Project construction is anticipated to take approximately three months, with an expected in-service date in Q4 2023. ENMAX Power will provide notification to impacted stakeholders in advance of Project construction.

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ROUTE #1: 16.61L PARTIAL RELOCATION ROUTE

The Partial Relocation Route would replace 65 existing wood poles with 66 new structures along the existing alignment through Dalhousie and a new alignment through Brentwood, Charleswood and Collingwood.

Beginning at ENMAX No. 16 Substation, structures #1 through #4 and structures A through N would be replaced in approximately their current locations. The route would then turn north at structure #23 and follow Shaganappi Trail NW to structure #28. This route would then run east along the north side of John Laurie Boulevard NW from structure #29 to structure #38. The route would cross from the north to south side of John Laurie Boulevard NW and connect to structure #39. The route will continue east and connect to ENMAX No. 27 Substation. The Partial Relocation Route is approximately 6.3 kilometers in length.

ENMAX Power is considering two different structure combinations for the Partial Relocation Route: Partial Relocation Route #1a (which would replace the existing wood poles with a combination of 35 wood poles and 31 steel and/or laminated wood structures) and Partial Relocation Route #1b (which would replace the existing wood poles with a combination of 46 steel monopoles and 20 laminated wood structures). The final decision on structure type will be informed by various factors, including procurement, design requirements and relative cost.

Please see the included Maps which illustrate the Partial Relocation Route and structure combinations through Dalhousie and Brentwood:

[PARTIAL RELOCATION ROUTE \(1A\) \(WEST PORTION\)](#)

[PARTIAL RELOCATION ROUTE \(1B\) \(WEST PORTION\)](#)

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PARTIAL RELOCATION ROUTE (1A) (WEST PORTION)

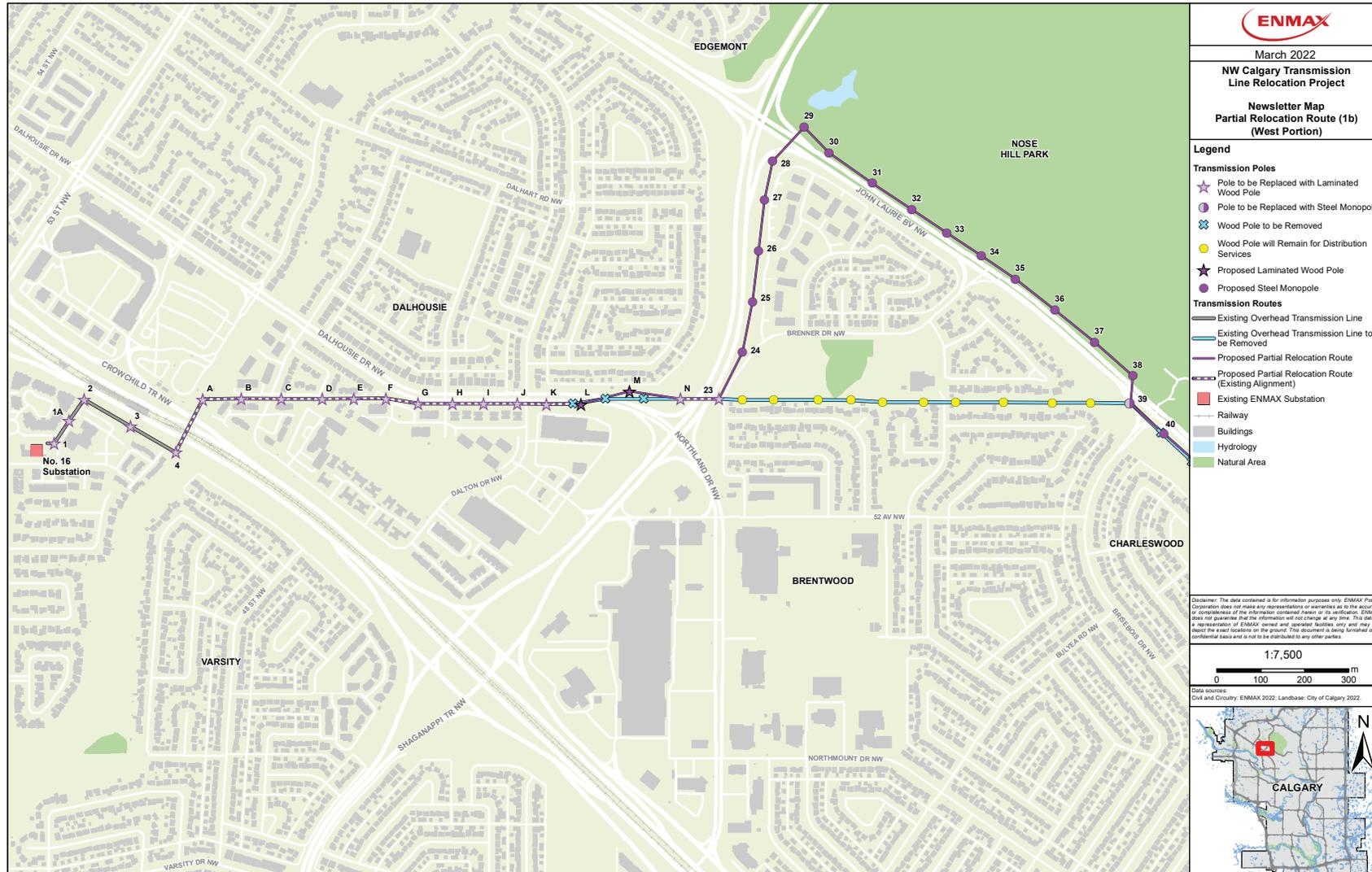


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PARTIAL RELOCATION ROUTE (1B) (WEST PORTION)



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ROUTE #2: 16.61L COMPLETE RELOCATION ROUTE

The Complete Relocation Route would require the removal of 65 wood poles along the current alignment in Brentwood, Dalhousie, Charleswood and Collingwood and the installation of 70 new structures (68 steel monopoles and 2 laminated wood structures) within a new alignment for nearly all of the route.

Beginning at ENMAX No. 16 Substation, structures #1 through #4 would be replaced in approximately their current locations. The new alignment would continue east along Crowchild Trail NW from structure #5 to structure #14, then turn north and run along Shaganappi Trail NW to structure #28. The route would then run east along the north side of John Laurie Boulevard NW from structure #29 to structure #38. The route would cross from the north to south side of John Laurie Boulevard NW and connect to structure #39. The route will continue east and connect to ENMAX No. 27 Substation. The Complete Relocation Route is approximately 6.8 kilometers in length.

ALL ROUTE OPTIONS (EAST PORTION)

The All Route Options (East Portion) map provides the route and structure types through Charleswood and Collingwood. This portion of the route is applicable to the Partial Relocation Route and the Complete Relocation Route.

Please see the included Maps:

COMPLETE RELOCATION ROUTE (WEST PORTION)

Complete Relocation Route and structure types through Brentwood and Dalhousie.

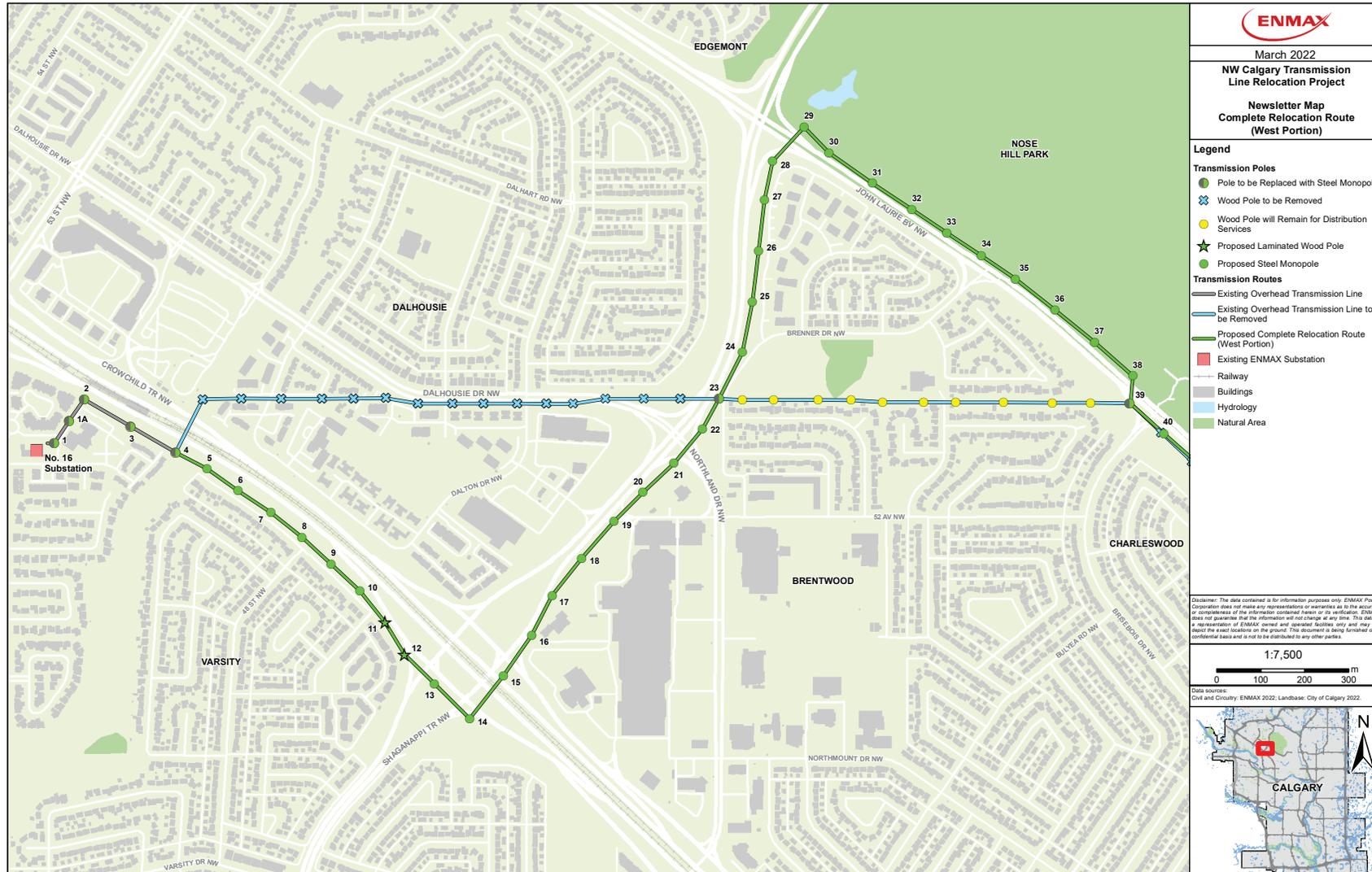
ALL ROUTE OPTIONS (EAST PORTION)

Route and structure types through Charleswood and Collingwood.

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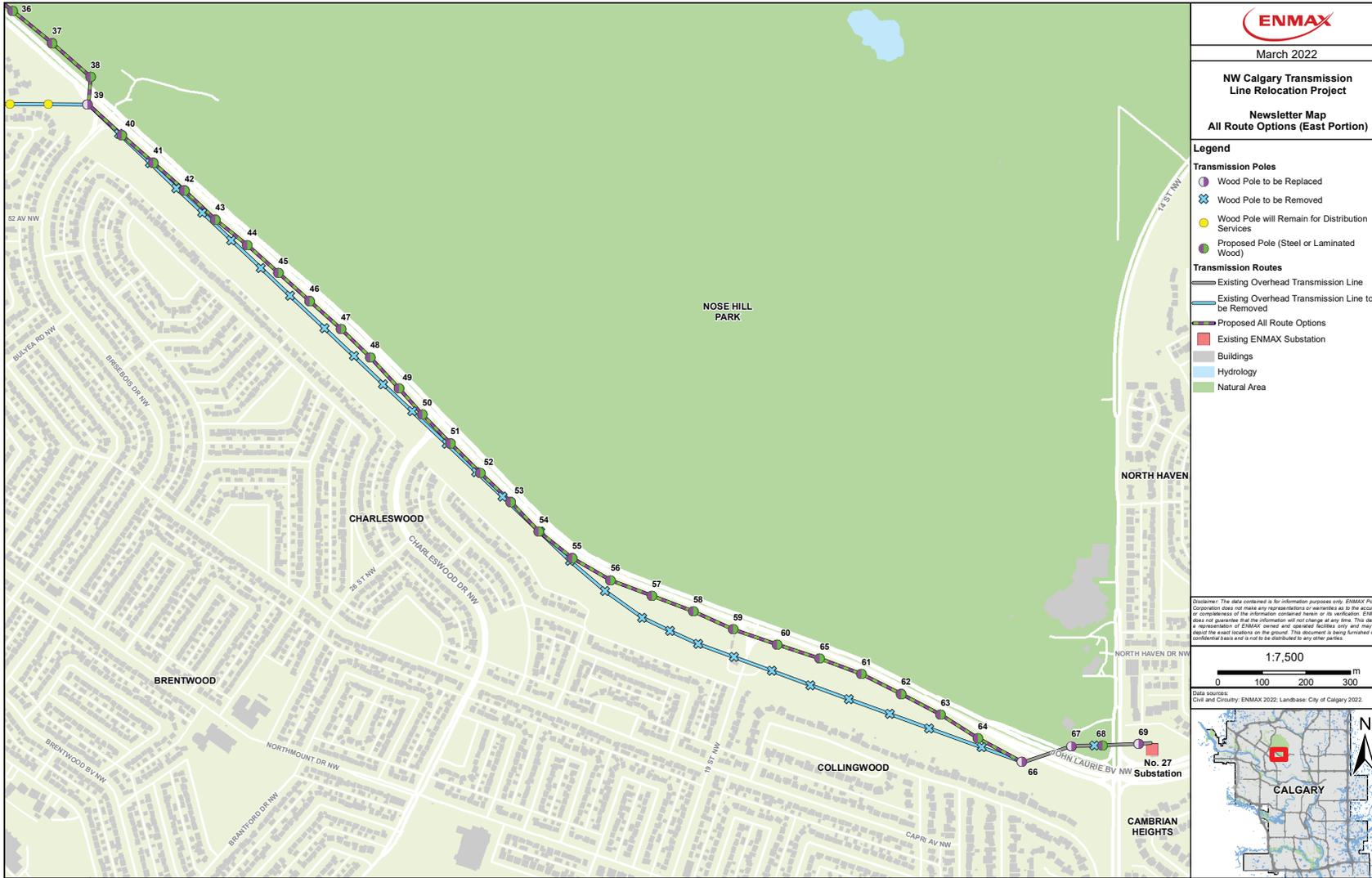
COMPLETE RELOCATION ROUTE (WEST PORTION)



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ALL ROUTE OPTIONS (EAST PORTION)



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TRANSMISSION STRUCTURES

The existing wood poles range in height from 9 to 20 meters. Subject to the final approved route and detailed design, the new structures will be a combination of wood poles, self-supporting steel monopoles and/or laminated wood poles. The new structures are expected to range in height from 18 to 30 meters as required to meet design and safety standards.



Example of Steel Monopole



Example of Laminated Wood Pole



Example of Wood Pole

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COMMITMENT TO COMMUNITY

We are committed to being a responsible corporate neighbour. Our commitment includes providing timely and meaningful engagement with stakeholders about our projects. We provide opportunities for stakeholders, including residents, occupants and landowners, to be informed about our projects, and to engage with us from the planning phase through construction and beyond. ENMAX Power recognizes the importance of mitigating construction impacts, where possible, and will work with affected communities to minimize our impact while completing our work safely.

ABOUT ENMAX CORPORATION

Headquartered in Calgary, Alberta, with operations across Alberta and Maine, ENMAX Corporation (ENMAX) is a leading provider of electricity services, products and solutions. Through its subsidiaries, ENMAX Power and Versant Power, ENMAX owns and operates transmission and distribution utilities in Calgary, Alberta and northern and eastern Maine, safely and reliably delivering electricity to all Calgary homes and businesses and more than 159,000 customers in Maine. Through ENMAX Energy Corporation, ENMAX owns and operates 1,512 MW of generation and offers a range of innovative electricity, natural gas and energy services to more than 690,000 residential, commercial and industrial customers across Alberta. ENMAX is a private corporation and The City of Calgary is its sole shareholder.

CONTACT INFORMATION

Your input is valuable to us. The ENMAX Power Stakeholder Relations team is committed to providing answers to your questions and concerns, while ensuring we document your feedback to share with the AUC as part of our Facility Application. For more information about the Project, please contact:

ENMAX POWER CORPORATION

Phone: 403-514-1471

E-mail: stakeholderrelations@enmax.com

Website: enmax.com/nwcalgaryproject

To learn more about the regulatory process, please contact:

ALBERTA UTILITIES COMMISSION

Phone: 403-310-4282

Email: info@auc.ab.ca

Website: auc.ab.ca