

# GARNEAU SUBSTATION NEW BUILDING & SWITCHGEAR

April 2020

Through this notice, we are advising landowners, occupants and residents in your neighbourhood about plans to modify the existing Garneau Substation (located at 11117 85 Avenue).

We also want to provide you with an update on the Upgrades to the Garneau Substation Project for which stakeholders in this area have been receiving information since January 2017. That work was recently approved by the Alberta Utilities Commission (AUC), and construction will get underway to expand the substation in summer 2020.

While these projects are in different phases, both are aimed at continuing to provide safe, reliable electricity and are important to the community.

## **WHAT DOES THE GARNEAU SUBSTATION NEW BUILDING & SWITCHGEAR PROJECT INVOLVE?**

New indoor electrical equipment, a switchgear, is needed at the existing Garneau Substation to maintain reliability and better meet demand for power in the area.

To accommodate the new equipment, we are proposing to construct a new substation building where the EPCOR-owned house exists directly west of the substation. The removal of this house, and rezoning of the lot, is already planned as part of the Upgrades to the Garneau Substation Project for which an update is provided on the next page.

## **WHAT WILL THE NEW BUILDING LOOK LIKE?**

To suit the surrounding area, we are proposing that the new building look similar to other single-family residential homes in the neighbourhood. The illustration on page three shows the proposed new building. The dimensions of the new building will be approximately 22 metres long by 10 metres wide, which is similar to the EPCOR-owned house. The walls will be made out of concrete, closely matching existing buildings within the neighbourhood.

## WHAT IS A SWITCHGEAR?

A switchgear is a part of the electrical system that serves to split electricity from a transformer to multiple distribution cables. This is similar to your house electrical panel in that it takes the incoming power and splits it amongst the many areas of your house. The switchgear performs the same function for a grouping of residential, industrial or commercial customers.

## PROPOSED SCHEDULE

We plan to apply to the AUC for approval of this project in summer 2020. If the AUC approves the project, we anticipate construction will start winter 2020/spring 2021, and is expected to finish by winter 2023.

## PARTICIPATE IN THE PROCESS

EPCOR believes in listening to and engaging stakeholders. While the COVID-19 social distancing requirements mean we cannot hold a project open house at this time, we are pleased to connect with you through phone or email. Over the next few weeks, we will contact stakeholders directly adjacent to the project for the opportunity to provide input.

Community input and involvement is an important part of our decision-making. If you have any questions or would like to provide input on the project, please contact us:

### Phone

780-412-4040

### Email

consultation@epcor.com

### Website

epcor.com/consultation

Please also see enclosed AUC brochure: *Participating in the AUC's independent review process.*

## AUC-APPROVED UPGRADES TO GARNEAU SUBSTATION

We consulted with landowners, residents, and occupants on the proposed upgrades between January 2017 and September 2018. The feedback gathered during personal consultations was documented and included in the Facility Application we filed with the AUC in October 2018. On March 12, 2020, EPCOR received approval from the AUC to proceed with the Upgrades to the Garneau Substation Project as part of the West Edmonton Transmission Upgrade Project (Decision 23943-D01-2020). This work is scheduled to begin this year. Stakeholders directly adjacent to the project will receive further notice setting out timing and construction impacts when details are confirmed.

## PROJECT OVERVIEW

These upgrades entail the replacement of the three existing 72/15 kV transformers in the Garneau Substation with three new 72/15 kV transformers of higher capacity. Two of the transformers will be replaced in roughly the same location as the existing transformers, while the third will be moved further southwest to allow for safe access to the equipment during construction and for maintenance (see site layout on page three). To accommodate the relocation of the new transformer, the substation yard will be expanded. This will occur when the EPCOR-owned house directly west of the substation is removed. The new building will form part of the fence portion on the west side.

To improve security around the substation, we will replace the existing six-foot fence with a new eight-foot fence. The new fence will look similar to the existing fence.

## GARNEAU SUBSTATION NEW BUILDING & SWITCHGEAR PROPOSED SCHEDULE

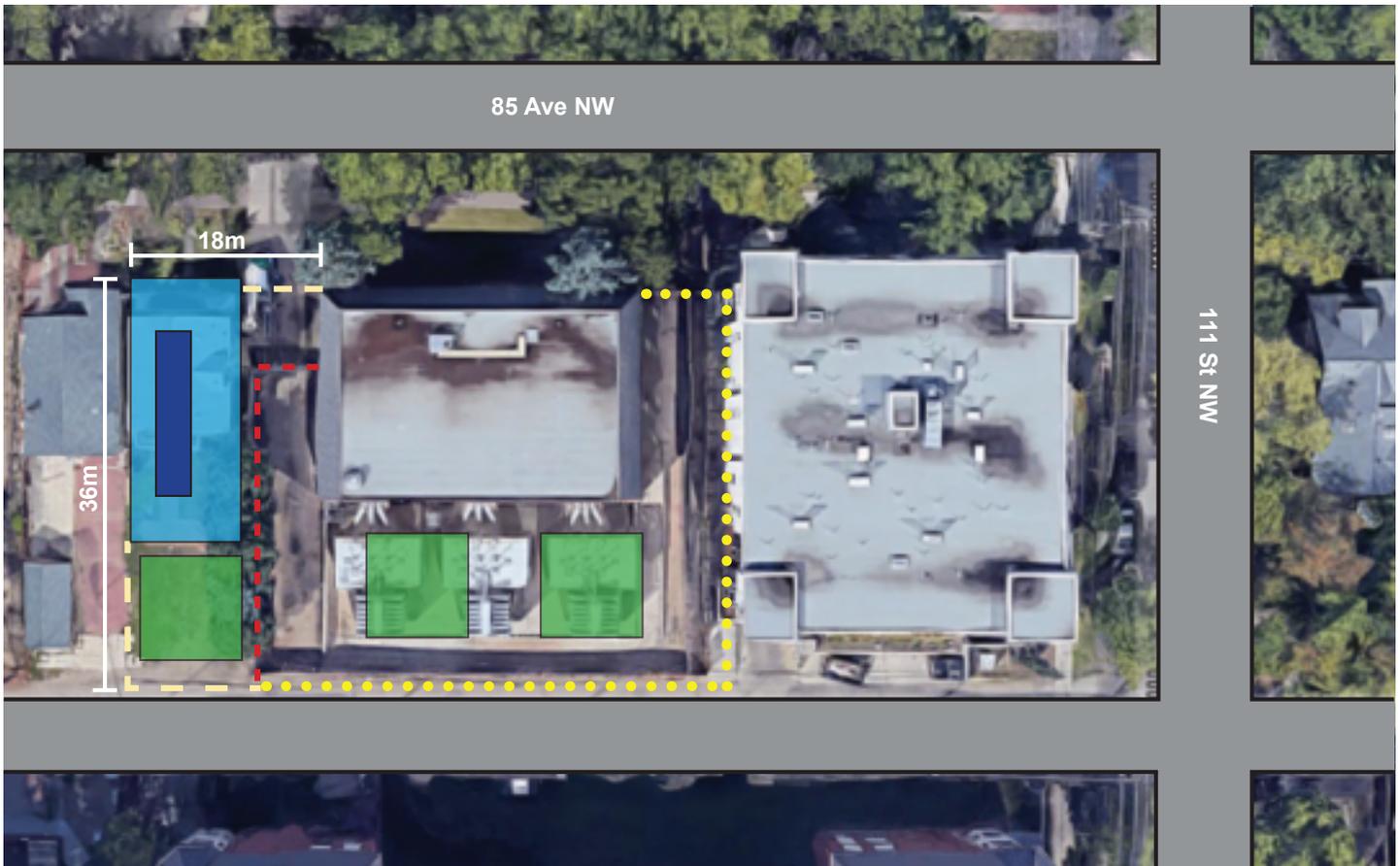


## ARTIST RENDERING OF NEW BUILDING

This is one of the designs discussed with the community during consultation.



## GARNEAU SUBSTATION SITE LAYOUT



### Legend:

-  Future/Proposed New Transformers
-  Proposed New Substation Building
-  New Switchgear Inside New Building
-  New Fence
-  Existing Fence Line To Be Replaced
-  Existing Fence To Be Removed

## WHAT TO EXPECT DURING CONSTRUCTION FOR THE GARNEAU SUBSTATION NEW BUILDING AND SWITCHGEAR PROJECT

### Construction Noise

The work will create typical noise associated with construction. We will comply with the City of Edmonton's Community Standards Bylaw for Noise Control. If it's necessary to temporarily exceed acceptable noise levels, we will work with the City of Edmonton to obtain the necessary permits.

### Hours of Construction

We anticipate our hours of work for this project to be Monday to Friday from 7:30 a.m. to 5:00 p.m.; however, occasional evening and weekend work may be required.

### Road Closures

Access down 85 Avenue between 112 Street and 111 Street may be limited during some stages of construction. We will work diligently to reduce possible impacts and provide those affected by construction with more detailed information prior to any work starting.

### Power Supply

No interruptions to power services are anticipated as a result of this project.

### Work Space

All work areas will be safe and secure. All construction activities will be in accordance with the City of Edmonton bylaws, Occupational Health and Safety requirements and our strict health, safety and environment program. We do not anticipate any adverse environmental impacts associated with this project.

## ABOUT THE AUC

Alberta's electrical system is regulated by the AUC. The AUC is an independent quasi-judicial agency that ensures that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest.

The AUC must approve this project before EPCOR can begin work. For more information about how you can participate in the process, please visit the AUC website:

[auc.ab.ca/pages/review-process-steps.aspx](http://auc.ab.ca/pages/review-process-steps.aspx)

## CONTACT THE AUC

### Toll-free

1-833-511-4282

### Phone

310-4282

### Website

[auc.ab.ca/pages/default.aspx](http://auc.ab.ca/pages/default.aspx)



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