



# SEATTLE CITY LIGHT UNIVERSITY SUBSTATION 115kV CABLE BUS REPLACEMENT PROJECT

## Project Summary

Seattle City Light needed to replace the 115kV underground cable ring bus at University substation for higher ampacity. The existing aluminum cable rated at 1500 A (double run per phase) was replaced with the new XLPE cable rated at between 1750A or higher (combined ampacity of both runs per phase). New terminations were installed; while the new cables used the existing concrete encased duct.

## Burke Electric Scope

- Removal of the existing cable
- Supplied and pulled new cable, single conductor with XLPE insulation suitable for installation in 5" duct bank nominal 115 kV system
- Installation of this cable was conducted by utilizing Burke owned equipment capable of handling reels in excess of 50,000# and over 14' in diameter
- Prepared the cable, supplied and installed new cable terminations
- Provided cable support structure
- Installation supervision support was provided by Burke



## Equipment and Systems Overview

- Single Conductor XLPE
- Duct Bank
- 115kV Nominal System
- Cable Support Structure

## Offeror Role

Prime Contractor

## Contract Amount & Type

\$500,122—firm fixed price

## Owner / Customer Information

City of Seattle  
Seattle City Light Department  
PO Box 94687  
Seattle, WA 98124-4687  
Lisa Tran, Project Manager  
206.684.4515, [lisa.tran@seattle.gov](mailto:lisa.tran@seattle.gov)

## Project Start and Finish Dates

11/23/20—11/25/20

## Project Location

3829-6th Ave NE  
Seattle, WA 98105

## Burke Electric Project Personnel

Tim Harper, General Foreman  
Pete Kelly, Project Manager  
Dominic Burke, COO

