

# C800556 – NSAT Modernization Concourse N Arc Flash Mitigation

# Purpose & Scope

## Purpose:

Supply and install the following equipment and monitoring system for arc flash mitigation at the south main power center in the concourse:

## Project Scope:

- Two (2) new appropriately rated arc flash circuit breakers
- The modifications to the switchgear to accept the 2 new circuit breakers
- Two (2) circuit breaker relays for primary breaker protection
- Two (2) control power transformers
- Two (2) sets of 3 current transformers for power monitoring
- Perform commissioning of the switchgear to validate the arc flash incident levels desired are achieved

# North Satellite – Arc Flash Mitigation



# Schedule



**CIP: C800556**

## **Key Schedule Milestones:**

- Design Start: Q2 2021
- Construction Start: Q3 2022
- In-Use Date: Q4 2022

# Risks and Mitigation

- Risk: Safety
  - Mitigation: Ensuring the proper breakers are installed to mitigate the arc flash levels
- Risk: Schedule
  - Mitigation: Maintaining the construction schedule to promote safety



# Action Requested

Request Commission authorization for the Executive Director to

- (1) Use Port of Seattle crews, as well as small and major works on-call contracts to perform the construction work and;
- (2) advertise and execute a major on-call construction contract for hazard mitigation in the south power center of Concourse N

The total estimated project cost is \$1,000,000

*This work is being completed as part of the original North Satellite Modernization at Concourse N project.*