Electric Utility Switching Project - Supervisory Control And Data Acquisition(SCADA)

Commission Meeting

July 9, 2019

CIP: 800699

Port
of Seattle®

Overview

Request Commission authorization for the Executive Director to:

1. Increase the authorized funds for the Electric Utility Supervisory Control and Data Acquisition (SCADA) project in the amount of $10,350,000
2. Advertise and award a major works construction contract at Seattle-Tacoma International Airport
3. Use Port crews and small works contracts to assist with the project.

- Total estimated project cost is $11,950,000, an increase of $2,300,000
- Project presented to partner airlines on June 27, 2019
  - Favorably received
  - Majority in Interest (MII) approval expected in August

SCADA – What and Why

- Supervisory Control and Data Acquisition (SCADA) systems
  - Data acquisition
  - Networked data communication
  - Data presentation
  - Control
  - Employee safety

SeaTac Airport Power Distribution System
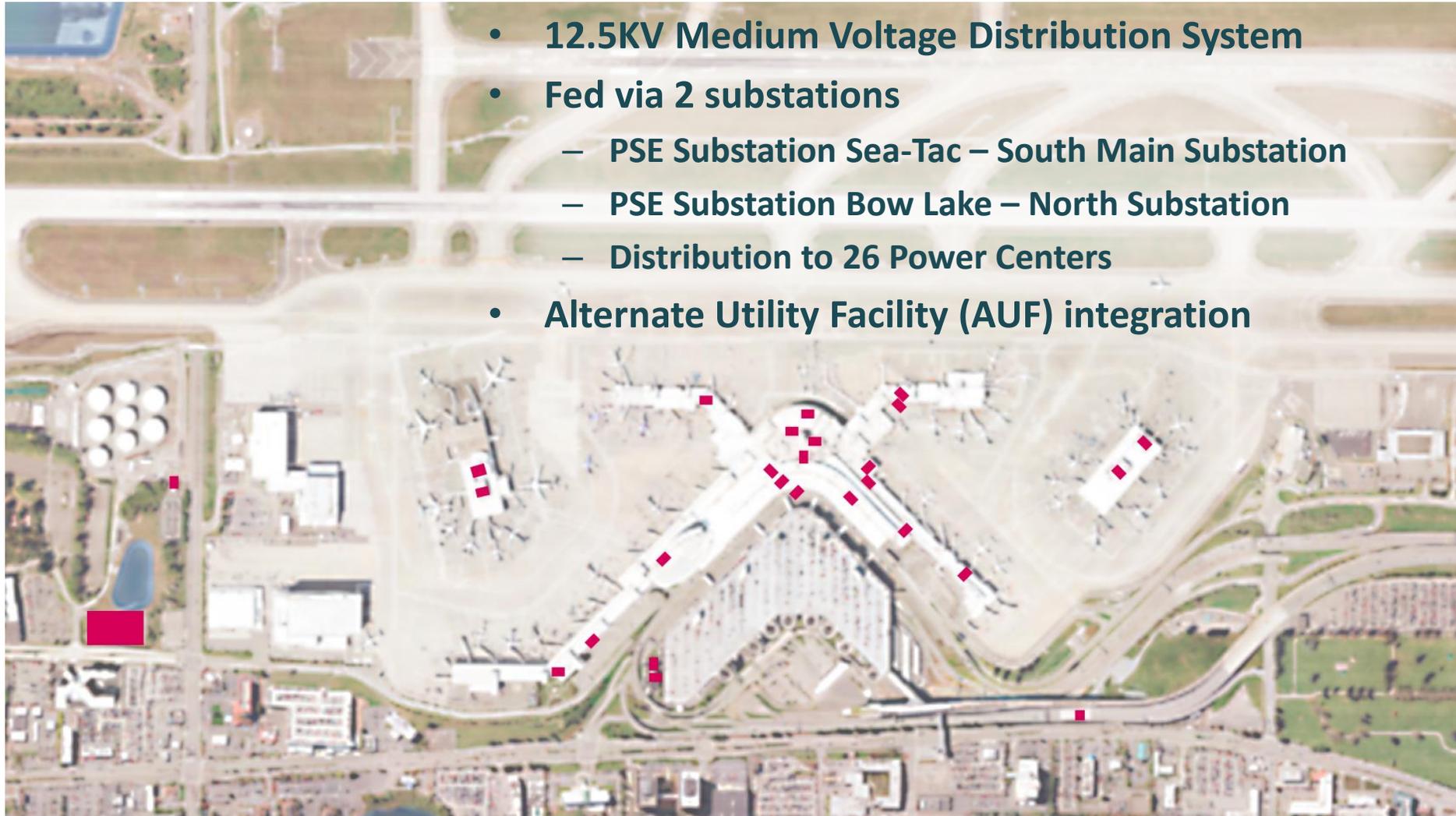
- **12.5KV Medium Voltage Distribution System**
- **Fed via 2 substations**
  - **PSE Substation Sea-Tac – South Main Substation**
  - **PSE Substation Bow Lake – North Substation**
  - **Distribution to 26 Power Centers**
- **Alternate Utility Facility (AUF) integration**

Project Budget

- Previous approvals and estimates:
  - Design authorization granted on August 4, 2015 for $1.6M with a total estimated project cost of $9.65M

- Today's request:
  - Increase total estimated project cost by $2.3M to $11.950M
  - $2.3M increase includes:
    - New Electrical Command & Control Center (EC3) room at $650K
    - Required Puget Sound Energy Bow Lake substation upgrades at $900K
    - Pre-design budget shortfall of $750K

Schedule

- Design Complete: 1st Quarter 2020

- Construction start: 2nd Quarter 2020

- In-use date: 2nd Quarter 2022

Questions?
Thank you for your time!