

# USACE

## The Dalles Dam Station Service Improvements



### DIVISIONS

Olsson Industrial Electric  
Olsson Controls  
OS Engineering



### LOCATION

Klickitat County, WA



### START DATE

September 2008



### END DATE

December 2013

### SCOPE OF WORK:

- Replaced 4160 V station service protective relaying and breaker controls
- Installed 2 new 5000 kVa station service transformers
- Replaced 13.8 kV CLR & vacuum switchgear at main unit Isolated Phase Bus (IBP)
- Retrofitted 5 480 V station service substations and MCC sections
- Installed 5 new 500 kVA transformers, switchgear sections, and 4160 V switchgear
- Retrofitted all existing 4160 V switchgear sections
- Designed, installed, and tested redundant DC and preferred AC systems