



# CMPLDW2 Benchmarking in PSLF

September 12, 2024

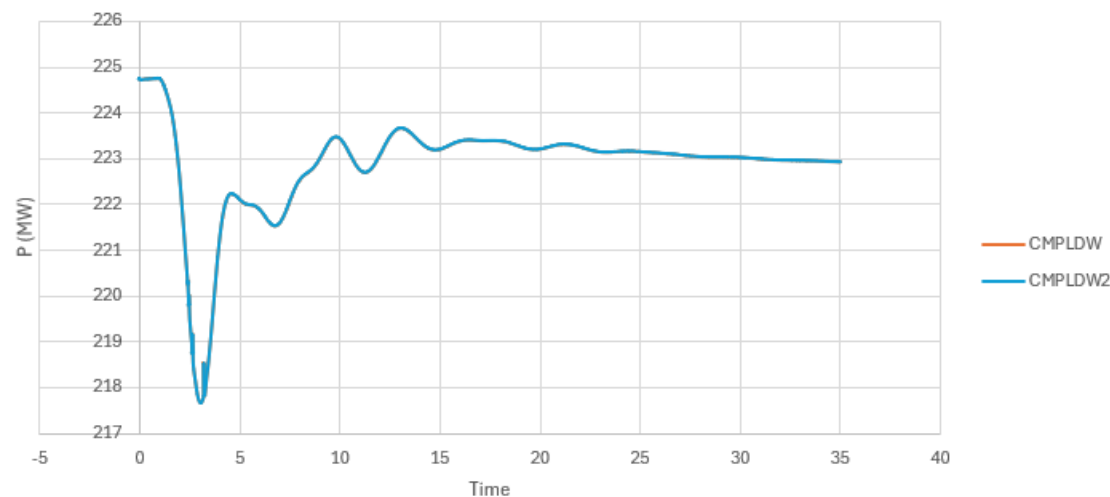
Nick Hatton  
Staff Engineer

# Tests

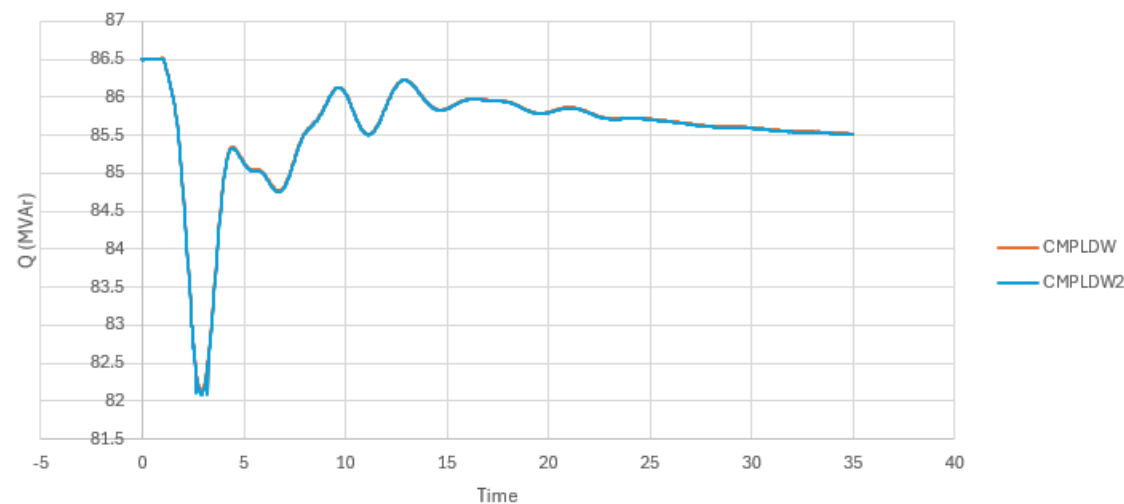
- Comparison of results from tests of three different outages with the standard composite load models and with the Northwest climate zones replaced with the modular composite load model in PSLF 23.0.8
  - Double Palo Verde Outage
  - Keeler East 230 Outage (Keeler) (definition provided by Dmitry Kosterev, BPA)
    - 3-phase fault at Keeler followed by tripping of attached equipment
  - Olympia East 230 outage (Olympia) (definition provided by Dmitry Kosterev, BPA)
    - 3-phase fault at Olympia East followed by tripping of attached equipment

# Double Palo Verde Outage

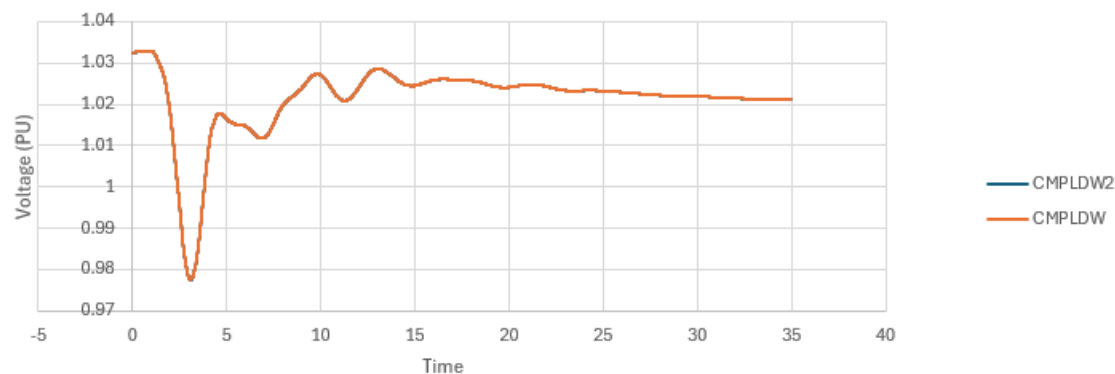
Double Palo Verde Outage - P load example



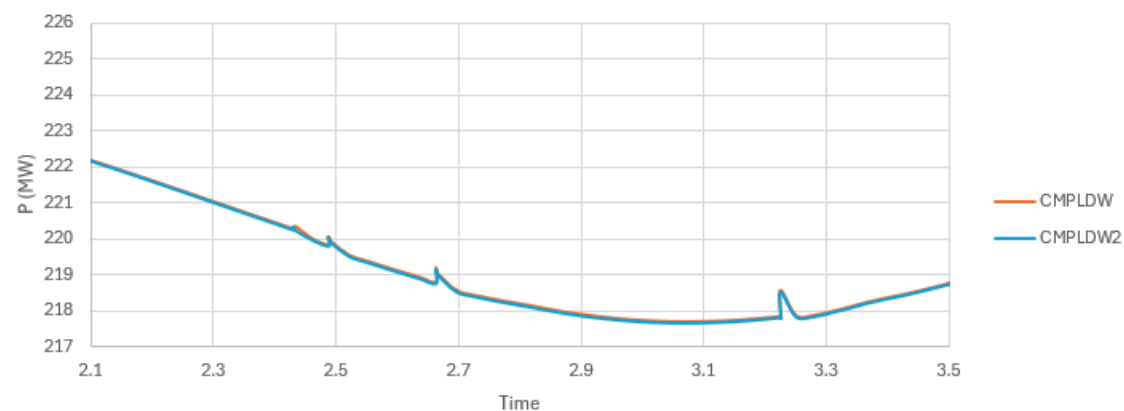
Double Palo Verde Outage - Q load example



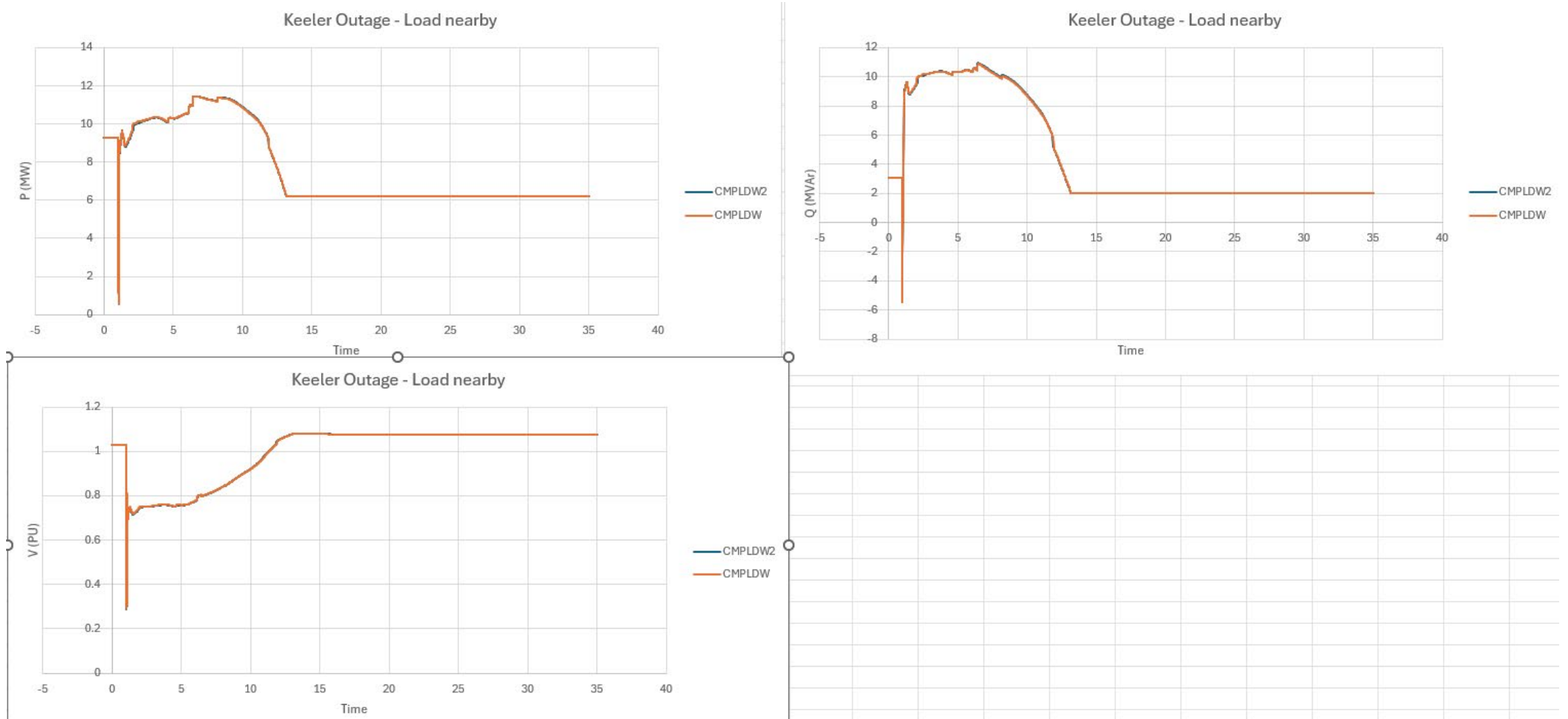
Double Palo Verde Outage - Load Voltage example



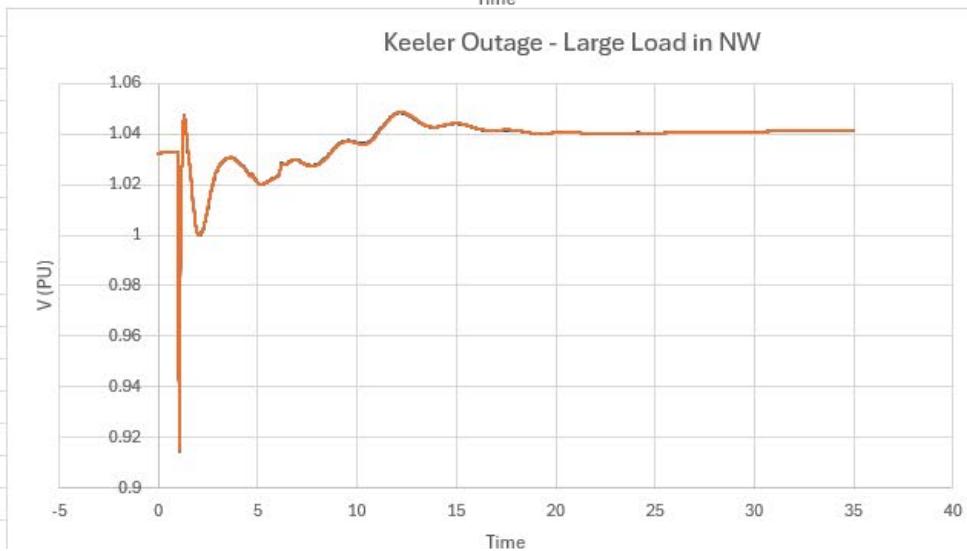
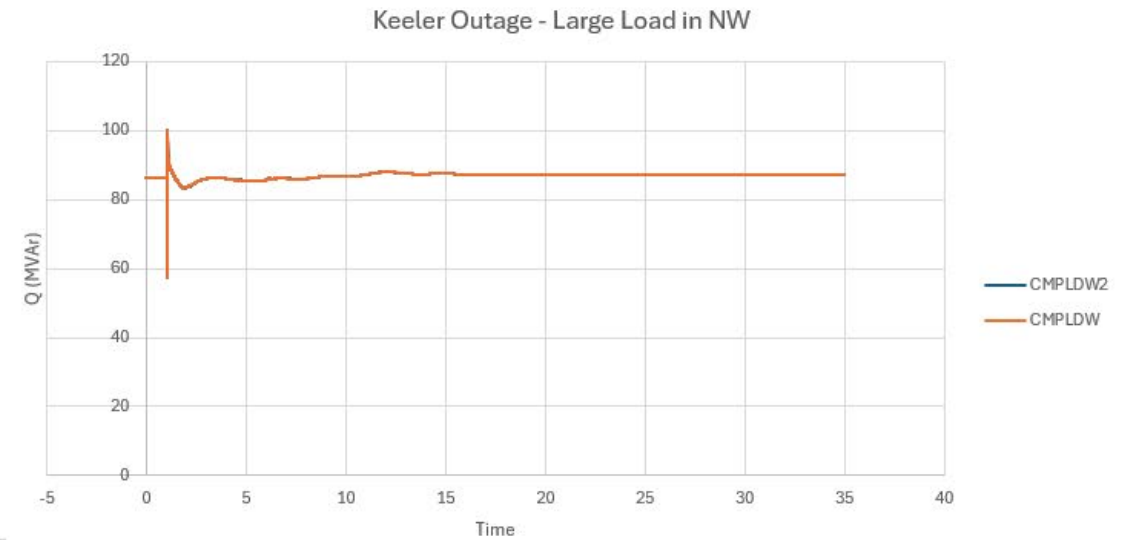
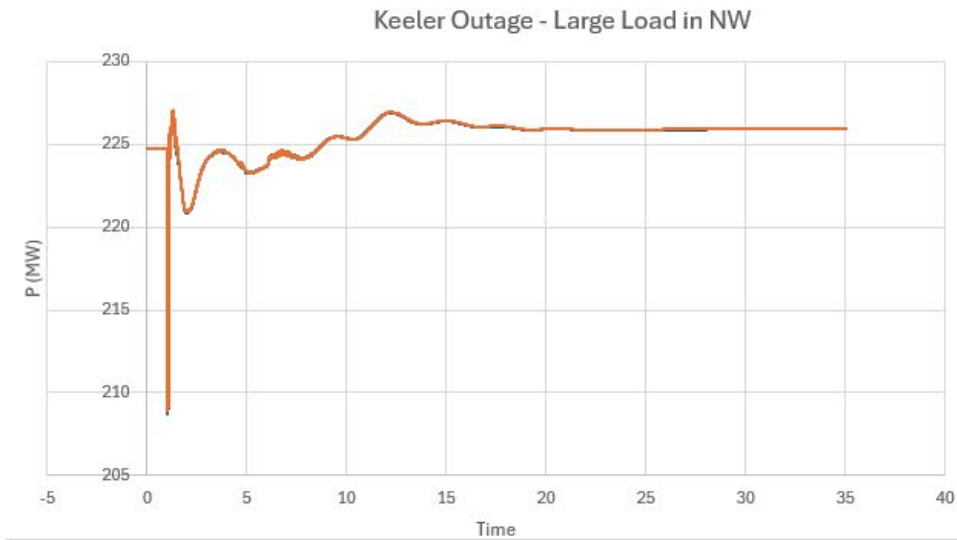
Double Palo Verde Outage - P load example



# Keeler Outage

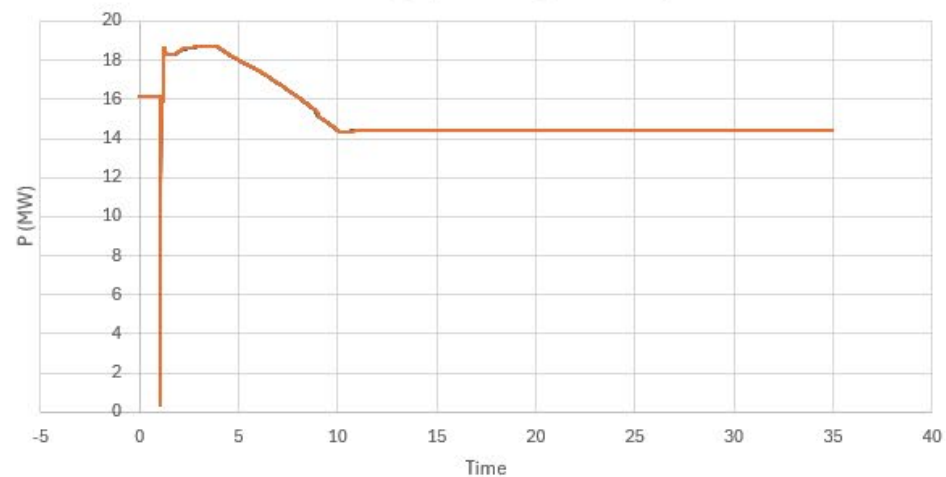


# Keeler Outage

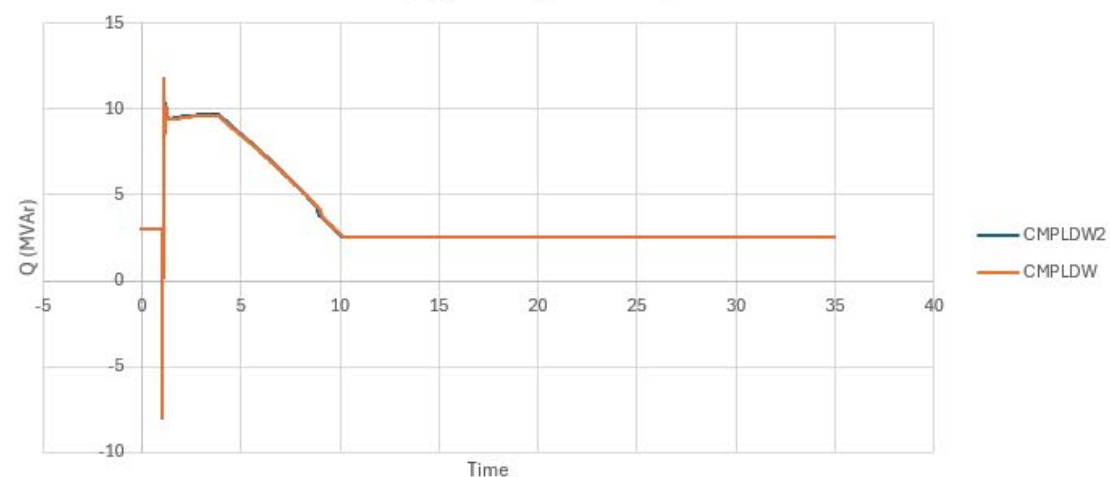


# Olympia Outage

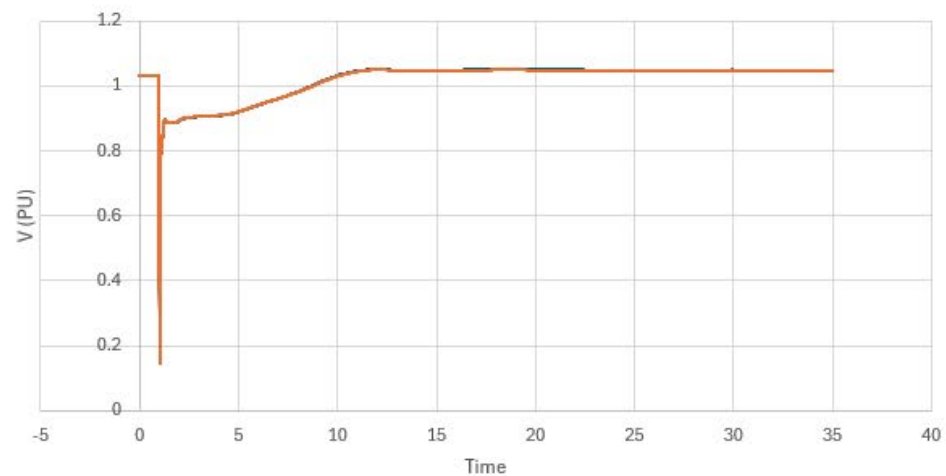
Olympia Outage - Nearby Load



Olympia Outage - Nearby Load

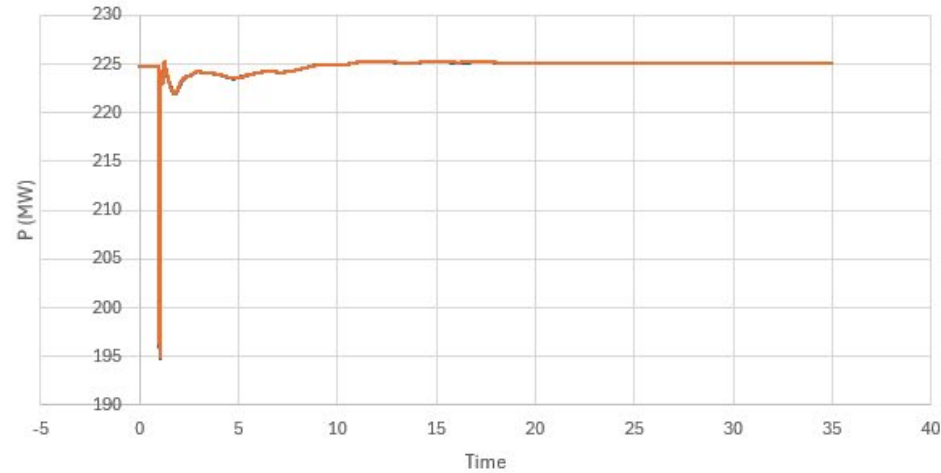


Olympia Outage - Nearby Load

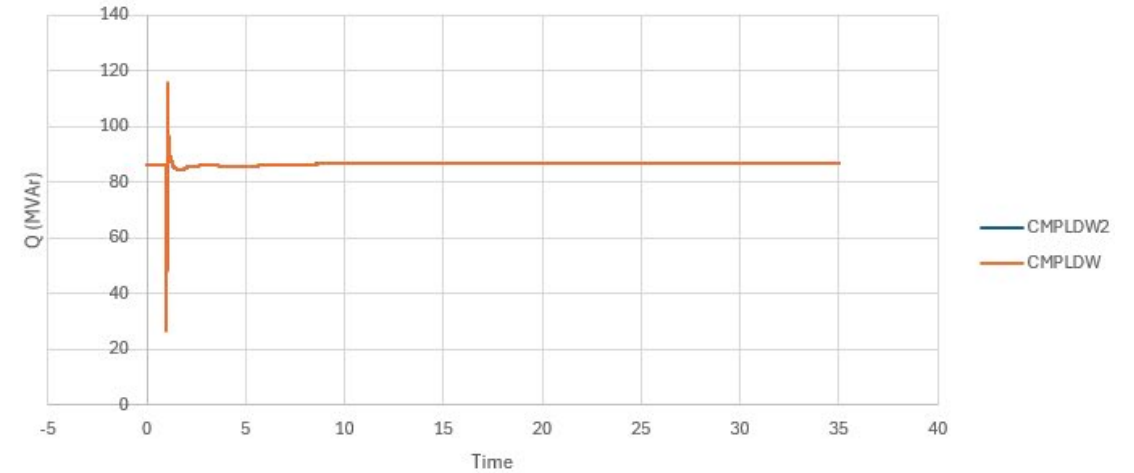


# Olympia Outage

Olympia Outage - Large NW Load



Olympia Outage - Large NW Load



Olympia Outage - Large NW Load

