3/21/2016

READ ME File for “*DE-EE0006397 Control System Specifications, Models, and Data*” upload to DOE MHK Data Repository

The files are provided as a zipped file format, which will unzip to a file directory structure consisting of

DE-EE0006397 Control System Specifications and Models

* + Field Data and Processing
* README File for explanation of contents
* MatLab scripts for processing of data
* Sample AWAC results
* Field Data
  + Igiugig Weather data
  + Test log outlining time and purpose of testing- DE-EE0006397 RivGen 2015 Testing Log rev11
  + VFD controls test files
    - Advanced Programming files
      * ABB VFD files for implementation of controls (compressed)
    - AWAC data
      * Sample AWAC data
    - kw2
      * excel sheets providing outputs from VFD for kw2 controls for different test settings
    - PI-TSR attempts
      * Record of attempts to implement PI-TSR control
    - PI-w
      * excel sheets providing outputs from VFD for PI-w controls for different test settings
    - VFD speed control
      * excel sheets providing outputs from VFD for native VFD speed control
  + SCADA data
    - Excel spreadsheet explaining data format and names
    - MatLab data sets providing SCADA data for test period
  + Simulation Data and Processing
  + University of Washington Final Report
    - DE-EE0006397 University of Washington Advanced Control Final Report REV 0 14
      * Provides information on models, modeling techniques, controls simulated, laboratory testing of controls, emulation testing of controls, and field testing of controls.
    - Appendices of report