

Avista Micro-grid

1/26/2016

- Define project
 - Grad students are already researching different aspects of the project
 - Smart-wires/communication protocols
 - Grid resync
 - After contingency, resyncing the micro-grid with the main system
 - Photovoltaic research for predicted power
 - Micro-grid design/interconnection – converting maps to PowerWorld
 - Micro-grid stability/contingency planning
 - Other options?
 - Load Shedding
 - This is a dynamic micro-grid. We need to decide what to shed in order to keep certain loads operating
 - How exactly to shed loads. Alex might be helpful on this aspect
 - How to optimize the micro-grid composition
 - Priority loads
 - University district (Post St. East)
 - WSU, Gonzaga
 - Hospitals
 - Jail
 - Government complexes
 - Consult with Avista to find out critical load priority
 - Setup an appointment
 - Loads and generators are seasonal
 - Hydro – high during spring/summer, low fall-winter
 - Need load projection data/generation data
 - If the data is time constrained, we might be able to help Paven
 - We could generate models while awaiting data
- Avista data
 - Awaiting approval for Avista data distribution from research group
 - The research group is also waiting for data correlation
 - Need Pavan for PowerWorld Data
 - Pavan is translating Spokane data from Synergy to PowerWorld
- Client meeting
 - Clarify time – Still Thursday 2pm?
 - Meeting 1/28/2016, every two weeks.
 - Boot meeting on the 23rd of February (for whether the project is aborted)
 - Meeting time may be moved to the morning (wait to be seen)
 - We will talk with load contact (We will have either Dr. Johnson or Pavan with us)

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- Next meeting
 - We will discuss how to process after receiving and processing the amount of information we receive from Avista.
- To do
 - Attend the meeting with Avista on Thursday at 2:00pm. In addition, we will need to set up a meeting with an Avista engineer to obtain the necessary information (discussed above) to proceed.