College of Engineering and Computer Science

Spring 2017 Seminar Series

HINSON SUBSTATION BACKFEED

Friday April 21, 2017 2:00PM

Duke Energy has requested that Talquin Electric Cooperative backfeed their Hinson Substation for emergency maintenance work to the Transmission GOAB switch that feeds the Hinson Substation. The Hinson Substation has a very large power Member on one of its circuits that is usually heavily loaded. Careful planning must be done to ensure that this backfeed doesn't overload the lines or cause a brownout for Talquin Electric Cooperative's large power Member. Several resources, such as Milsoft's Engineering Analysis tool Windmil and Talquin's SCADA system must be used to ensure the success of the operation. Load history for the Hinson Substation, via SCADA, shows that on Wednesdays, the large power Member isn't operating at full capacity. Wednesday will be

Matt Gibson

Talquin Electric Cooperative

Matt Gibson is an Engineer that holds a Bachelor of Science Degree in Electrical Engineering from Florida State University, Tallahassee, Florida. He has over 5 years of experience in the industry, starting as an Intern with Talquin Electric Cooperative.

Matt currently works at Talquin Electric Cooperative as a Systems Engineer Supervisor. His current duties include managing the SCADA system, heading up Talquin's Solar Initiative, assisting with Planning/Design, performing the monthly Substation Billing, and supervising the Energy Services group.

Matt is serving as the sponsor to one of the 2016-2017 FAMU-FSU College of Engineering Senior Design team, which is working on a solar powered water tower for Talquin Electric Cooperative. Matt lives in Tallahassee with his wife, Heather.