The Electric Grid of the Future

IEEE PES Distinguished Lecture by
Wanda Reder,
Chief Strategy Officer
S&C Electric Company
Chicago, Illinois - USA

Organised by the IEEE PES South Australia Chapter, in collaboration with
the School of Engineering, University of South Australia

Date: Wednesday, 9 August 2017
Time: 5:45 – 7.15 pm (light refreshments from 5.15pm)
Venue: Room HH4-08, Sir Hans Heysen Building,
City West Campus, University of South Australia
Adelaide, 5000
(See venue map)

Presentation Synopsis:
The electric grid is undergoing significant transformation including the introduction of digital
technologies, growth of renewables and increasing engagement of electricity customers. An
underlying driver of the transformation is the vision for a clean energy future. As the transformation
is underway, the electric performance expectations and dependency on the grid is increasing. At the
same time, low load growth conditions are creating pressure for utilities to cut cost; the risk for
widespread outages from extreme natural events and manmade cyber-attacks are also on the rise.
This presentation discusses a vision for the electric grid of the future, unique case studies featuring
state-of-the-art deployments and a few of the challenges that remain.

About The Speaker:
Wanda Reder is the Chief Strategy Officer at S&C Electric Company and chairs the IPERC Board of
Directors. IPERC is a wholly-owned subsidiary of S&C that is focused on microgrid development.
Prior to S&C, she held leadership positions at two major investor-owned utilities. Her pioneering
work has led to smart grid deployments and wind, solar, utility-scale battery storage and microgrid
system integration.

An IEEE Fellow and member of the National Academy of Engineering, Reder was recognized with the
2014 IEEE Richard M. Emerson Award for her leadership in the IEEE Smart Grid program and in the
continued growth of the Power and Energy Society (PES), including the creation of its Scholarship
Fund program. Reder was the first woman president of PES, was a member of the IEEE Board of
Governors in 2014-2015, candidate for 2017 IEEE President-Elect, and is a member of the IEEE
Foundation Board of Directors.

To register or for further info, please contact Dr. Mohammed Haque at Mohammed.Haque@unisa.edu.au.

Free admission - all are welcome