



## Next Generation Network [NGN] Webinars



### **CIGRE NGN Webinar: A deep dive into battery energy storage system (BESS) arc flash**

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#### **Webinar details**

Arc flash is an industry concern for most everyone. But how do battery energy storage systems (BESS) owners deal with arc flash concerns with the recent explosion of BESS projects becoming increasingly prevalent? BESS using Li-Ion technology, the current prevalent methodology, can result in extremely high short circuit currents on the DC side of the inverter. This is particularly true when using large DC battery density to achieve long maximum output discharge scenarios. This webinar will detail real situations, and dive into engineering analysis on how to better address arc flash concerns and help protect site workers.

#### **Presenter background**

Ian Hutt, PE, PMP, is an industry published leader and expert in renewable technologies, particularly solar, BESS and microgrids. As an experienced project manager in electrical power systems, he specializes in relay protection engineering, coordination, arc flash analysis, short circuit analysis, transmission planning, electromagnetic field analysis, and automatic generation control using CAPE, ASPEN, CYME, PSCAD, EMTP-RV, ETAP, SKM Power Tools, EasyPower, CDEGS, AcSELeator QuickSet, PowerBase, PSS/E and TRANSMISSION 2000®. Ian presented “Battery Storage Integration with Renewable Energy: Future of BESS” at the 2020 Experience Power Conference and “Current Challenges in BESS” at IDEA2021 Conference in 2021. He holds Bachelor of Science degrees in both Electrical Engineering and Business Administration from Central Michigan University.

#### **Details**

Thursday, August 18, 2022  
12 noon EDT | 9 am PDT  
Duration: 1 hour

#### **Presenter**



**Ian Hutt**  
Associate Engineering  
Director  
Commonwealth Associates

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