ComEd Superconductor Cable Project in Chicago and Vision for the Technology Facility

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Abstract—This presentation will cover at a high level the newly announced project in Chicago that will install a permanent in-grid superconducting cable. This low voltage cable will be the first permanent installation in the United States using the 2nd generation High Temperature Superconducting (“HTS”) technology. Additionally, I will highlight a plan for future deployment of the HTS technology within Chicago. I will also share the vision that I see for the technology deployment and highlight some applications and challenges that the technology needs to overcome to increase the commercialization position of the technology.

Keywords (Index Terms) — Chicago Project, superconducting cable, HTS-technology.

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