

HVDC Presentation Proposed Outline
Special DEDSTF Meeting on Thursday September 7th, 2017 1pm – 4pm EST

Updated: 6/15/17

As discussed at the 05/18/17 DEDSTF Lines Subgroup meeting, below is a proposed outline for the HVDC Presentation:

1. HVDC Technologies
 - a. Line Commutated Conversion (LCC)
 - b. Voltage Source Conversion (VSC)
2. HVAC vs HVDC
 - a. Pros
 - b. Cons
3. Applications for HVDC
 - a. In-Network
 - b. Network Interties
4. HVDC Development Stages (* = including cooperation with Interconnecting Utilities and ISOs))
 - a. Pre-Engineering Studies
 - b. Interconnection Studies*
 - c. Interconnection Agreement (IA) Technical Specification Development*
 - d. Post IA Detailed Design*
 - e. Component Manufacture
 - f. Installation
 - g. Commission Testing*

Additional topics proposed:

- Any design considerations to convert towers/structures of a new line from AC to DC
- Reactive compensation
- [Grounding options. For example, are earth electrodes acceptable or allowable?](#)
- [New DC technologies such as DC breakers.](#)

Please email Michael Herman or Anisha Fernandes if you have additional topics you would be interested in hearing about.