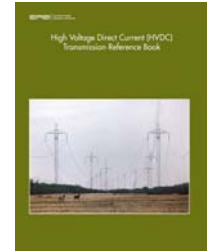


EPRI HVDC Reference Book



Deliverable Type: Technical Update

Delivery Date: 12/31/2008

Product ID#: 1016071

Intended End Users: Design Engineer (Transmission Line, Distribution Line, Substations); Engineering/Design; Operations & Maintenance; Operations Manager; Power System Engineer; R&D/Technology Management

Description/Impact:

This is a state-of-the-art High Voltage Direct Current (HVDC) Transmission Reference Book which documents the latest technological developments in the HVDC area. This book is one of a series of EPRI Power Delivery color book series. The HVDC book will be published with a distinct “olive” color cover.

The Olive book will build on the existing two EPRI HVDC Reference Books – HVDC Transmission Line Reference Book (TR102764) and High Voltage Direct Current Handbook (TR104166). EPRI expects to deliver a final version of the Olive Book in 2010.

Implementation Resources Required

Resources and Other Costs:	
Staff Time (hours)	800 to 1000 hours
Consultant	Optional
Hardware	\$1M to \$10 M depending on the MW size of the HVDC System
Software	
Licensing Fee	
Training	\$15k to \$20k for EPRI training on the guidebook
Maintenance and Support	
Travel	Optional

Delivered Through: Electronic Access; Workshop or Training Course

Application Instructions:

Utility engineers can read various issues in the HVDC area. Utilities can use the HVDC Reference Book in all aspects of HVDC including planning, engineering, design, operations, and maintenance. Initially utilities can make a planning decision such as HVAC versus HVDC using the data in the Reference Book. After choosing a HVDC option, utilities can use the Reference Book to prepare specifications. Utilities need to perform Planning, Engineering and Design studies and then build & operate HVDC systems.

As part of the roll-out of the final book – to be completed in year 2010 - EPRI plans to organize training workshops, where utility engineers will get hands-on training and field experience on the subject matter contained in the report. Workshops will be announced on the EPRI event calendar, currently posted on EPRI.com – please refer to Power Delivery and Utilization events.

Contacts:

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