

电力系统

2009年国家电网公司直流输电系统可靠性分析

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摘要:

总结了2009年国家电网公司各直流输电系统可靠性指标的完成情况; 详细分析了2009年影响各直流系统计划能量不可用率、强迫能量不可用率指标和单双极强迫停运次数的各种原因; 最后针对2009年各直流系统的计划和强迫停运情况, 分别给出了降低直流系统计划能量不可用率和强迫能量不可用率指标的建议。分析结果为提升直流输电系统的生产管理水平和提高直流输电系统的运行可靠性提供了一定的参考信息和决策依据。

关键词:

Analysis on Reliability of HVDC Power Transmission Systems Of State Grid Corporation of China in 2009

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Abstract:

The reliability indices completion for HVDC power transmission systems of State Grid Corporation of China (SGCC) in 2009 are summarized. The reasons that impact the indices of scheduled energy unavailability and forced energy unavailability as well as monopole and bipole forced outage times are analyzed in details. Based on the scheduled and forced outages condition for HVDC power transmission systems of SGCC in 2009, the suggestions on reducing the scheduled energy unavailability and the forced energy unavailability of HVDC power transmission systems are given respectively. Analysis results given in this paper are available for reference in the decision-making of enhancing production management level of HVDC power transmission systems and improving their operational reliability.

Keywords:

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