高级搜索

新闻中心

繁體中文 | ENGLISH | 邮件订阅 | 企业邮箱

业务概况 人力资源 规划建设 经营管理

> 提高广东架空送电线路输送容量研究 彭向阳1,周华敏2,郑晓光1,程启诚2,林声宏3

摘要:阐述架空导线载流控制条件,分析广东架空送电线路实际运行条件和广东地区多年实测气象参数,制定广东架空线路 正常运行允许电流 I_0 ,通过风险分析证实现有线路正常载流能力可安全地提高 T_0 以上。在正常允许电流 I_0 的基础上,挖掘运行线路 跨越距离裕度,提出架空线路在检修、应急两种特殊运行条件下的允许电流 I_1 、 I_2 及其确定原则,通过对实际线路开展测量和验 算,确认电网特殊情况下存在安全增容的可能性,特定线路可以多输送容量30%~50%。

关键词:架空线路;输送容量;环境温度;跨越距离;正常允许电流;特殊允许电流

Study on Raising Transmission Capacity of Overhead Transmission Line in Guangdong Power Grid

PENG Xiangyang¹, ZHOU Huamin², ZHENG Xiaoguang¹, CHEN Qicheng², LIN Shenghong³

Abstract: The control condition of carrying capability of overhead transmission line is introduced, and a deep analysis is given on operation terms of transmission lines and weather parameters survey in decades in Guangdong, and allowable current I_0 on transmission line under normal operation for Guangdong Power Grid is established. It is approved by risk analysis that the transmission capacity can be raised 7% safely. Based on the normal allowable $\hbox{current I_0, the paper studies the residual span distance of overhead transmission line, puts forward two allowable}$ current I_1 , I_2 under overhauling and emergency conditions respectively, and their setup principle. The possibility of raising line transmission capacity 30%~50% is confirmed by surveying and checking computation of several operating

Key words: overhead transmission line; transmission capacity; environment temperature; span distance; allowable current of natural operation; allowable current of special operation

点击此处下载

关闭窗口

关于南网 | 网站导航 | 服务条款 | 反馈留言 | 隐私保护 | 网上调查 | 使用帮助 中国南方电网有限责任公司 www.csg.cn 版权所有 Copyright © 2003-2010 China South Grid (csg).All rights reserved

地址:广东省广州市天河区珠江新城华穗路6号 邮编: 510623 联系电话: (86-020)38122222 传真: (86-020)38865670 邮件: nfdwb@csg.cn 粤ICP备06044847号