

# Research on the Application of Power Transmission and Transformation Engineering in “Three Lines, One Order” Data Sharing Platform System

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## Abstract

With the increasing attention of the state to environmental protection, environmental issues have attracted more and more public attention, and the public's requirements for environmental rights and interests are increasing. Environmental protection departments continue to strengthen the post-supervision work in the environmental assessment of construction projects. As the main body responsible for the environmental acceptance of construction projects, construction units bear more and more responsibility risks. Therefore, this paper will focus on analyzing how power transmission and transformation projects can be applied in the “three-line, one-order” data sharing system platform in the site selection, construction and completion environmental acceptance stage, and take the results of “three-line, one-order” as one of the bases for the environmental rationality demonstration of site selection of construction projects and one of the bases for the verification of major changes during the construction period. As one of the bases for checking the situation of ecologically sensitive areas in the completion environmental protection acceptance stage, it provides technical support for the whole process environmental management of enterprises.

## Keywords

power transmission and transformation; three lines one single; data sharing

# 关于输变电工程在“三线一单”数据共享平台系统中的应用研究

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## 摘要

随着国家对环境保护的日益重视,环境问题越来越引起公众的注意,公众对环境权益的要求与日俱增,环境保护部门不断强化建设项目环评事中事后监管工作,建设单位作为建设项目竣工环保验收的责任主体,承担的责任风险越来越大。因此,本篇将重点分析输变电工程在选址选线、施工建设及竣工环保验收阶段如何在“三线一单”数据共享系统平台进行应用,将“三线一单”成果作为建设项目选址选线环境合理性论证的依据之一,作为施工期重大变动核查依据之一,作为竣工环境保护验收阶段复核生态敏感区情况的依据之一,从而为企业全过程环境管理提供技术支撑。

## 关键词

输变电; 三线一单; 数据共享

## 1 引言

为深入贯彻落实习近平生态文明思想,坚持新发展理念,以改善生态环境质量为核心,对区域空间生态环境基础状况与结构功能属性进行系统评价,对区域经济社会发展和生态环境保护管理的各项制度要求进行统筹衔接,形成以“三线一单”为核心的生态环境分区管控体系,为生态环境

保护管理提供支撑。生态环境部组织建立“三线一单”数据共享系统,建立了数据的汇集共享机制,实现了上下联网、数据统一、信息共享,应用于综合分析、综合决策与生态环境业务管理。

## 2 目前存在的难点

### 2.1 多元化、多归口管理造成工程前期选址选线阶段工作难度大

输变电工程建设时常涉及穿越生态保护红线、水源地、

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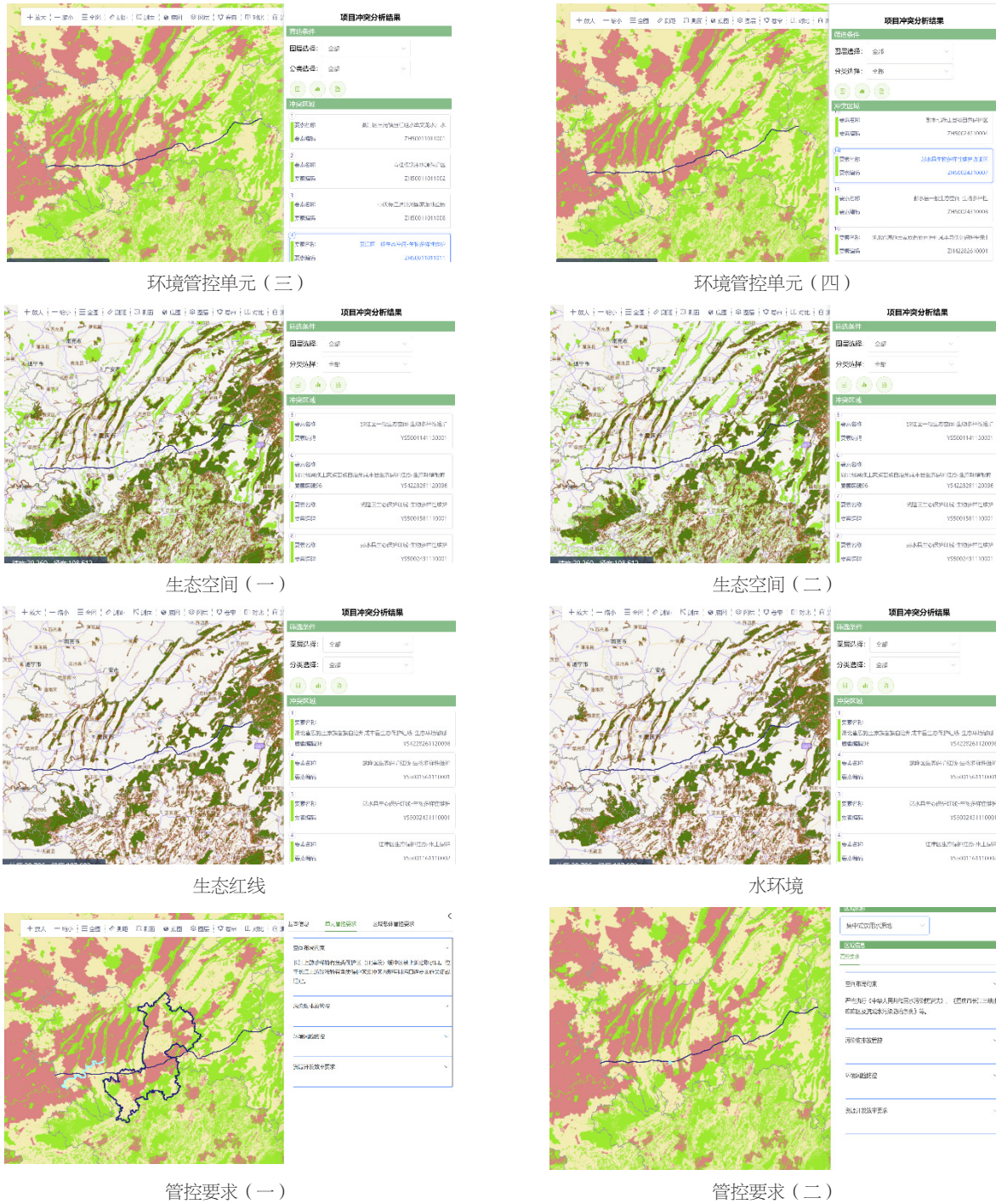


图1 平台应用成果

#### 4 平台适用存在的问题

由于“三线一单”成果应用不久，数据共享及应用平台还在不断升级和完善，目前数据共享及应用平台由环境保护部和地方环保主管部门开发建设和应用，未来应用的范围是否扩大到其他行政部门、企事业单位和公众，还需进一步商榷，等待政策出台。

#### 参考文献

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