MANAGING RENEWABLE ENERGY PROJECTS INCLUDING RISK ANALYSIS

Natalija Petrova
Ss. Cyril and Methodius University, Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia

Nevenka Kiteva Rogleva
Ss. Cyril and Methodius University, Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia

Vangel Fustik
Ss. Cyril and Methodius University, Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia

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Abstract

The paper makes deep insight in project management and risk analysis of renewable energy sources (RES) that could be very helpful in organizational and managerial approach increasing possibilities for project success and investments in RES projects. The intent of the paper is to focus on project management techniques for the purpose of achieving project's objectives and tools for risk assessment of renewable energy projects in order to define and evaluate risks, so that they can be adequately mitigated to attract future investment. A particular energy sources—elevated hydro power used in small hydro power plants, and photovoltaic plant are considered in Section 3, as case studies, to identify and explore risk management approach for planning of risk response during project implementation. Section 3.1 provides an overview on the major identified risks which include financial, political and operational risks, risks related to human resources and risks associated with renewable energy developments and markets.

The address of the corresponding author: Petrova-Natalija
natalija.petrova11@yahoo.com

Discussion and conclusion are presented at the end of the article.
Keywords: Risk management, Renewable energy, Project implementation

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