

Analysis of Hydropower Energy-saving Management in Colleges and Universities for the Construction of Energy-saving Campuses

Pengxiang Cui*

Shanghai University of Sport, Shanghai, 200438, China

Abstract

This paper mainly studies the hydropower Energy-saving management of colleges and universities for the construction of Energy-saving campuses, first puts forward the shortcomings in the management of hydropower Energy-saving in colleges and universities, and then discusses in detail the hydropower Energy-saving management measures of colleges and universities for the construction of Energy-saving campuses, mainly including increasing the publicity of energy conservation, rationally applying hydropower environmental protection and Energy-saving technologies, and increasing Energy-saving management, aiming to ensure the steady improvement of the efficiency of hydropower Energy-saving management in colleges and universities, and to achieve the close integration of hydropower management and Energy-saving goals. We are jointly committed to achieving the goal of building a conservation-oriented campus.

Keywords

Conservation Type; Campus Construction; Colleges and Universities; Hydropower Energy Conservation Management; Measures.

1. Introduction

In the actual operation of colleges and universities, it is necessary to rationally arrange the teaching courses on campus, but also to increase the great importance attached to the lives of teachers and students on campus, among them, energy conservation and emission reduction measures should be implemented, the rational application of water and electricity and other resources should be strengthened, and the level of campus resource management should be continuously improved. At present, although the awareness of resource optimization management in many colleges and universities has improved, the problem of energy conservation can still not be ignored, especially in the management of hydropower in colleges and universities, so it is imperative to carry out hydropower energy conservation management in colleges and universities, creating favorable conditions for the construction of Energy-saving campuses.

2. Deficiencies in the Management of Hydropower Energy Conservation in Colleges and Universities

2.1. The Awareness of Energy Saving is Relatively Weak

2.1.1. Environment

At this stage, people's economic level has increased significantly, but their awareness of energy conservation and environmental protection is still relatively weak, especially for teachers and students in colleges and universities. In the face of this phenomenon, some on-campus resource managers have not actively promoted the importance of energy conservation, which has caused the progress of water and electricity energy conservation in the school to a certain extent to be stagnant. Generally speaking, the position of schools in society is more critical, in terms of the

resource ratio of education, government departments have invested heavily, and in the process of running colleges and universities, the supply of hydropower resources is relatively sufficient. Under the influence of this superior resource, some school administrators have a serious lack of awareness of resource appreciation, and lack of great attention to the control of hydropower resources in the school.

2.2. Lack of Advanced Energy-saving Means

In order to promote the smooth realization of water and electricity saving goals, it is necessary to strengthen the application of advanced hydropower Energy-saving products and to rely on the participation of professional and technical personnel. At this stage, the overall Energy-saving awareness of some colleges and universities is relatively weak, there is a lack of sufficient Energy-saving application equipment, and the number of relevant professionals is not much. Based on the essential perspective, to analyze the logistics and hydropower management work of colleges and universities, it is necessary to introduce advanced equipment [1], but also to continuously strengthen the Energy-saving awareness of logistics management personnel, strictly inspect equipment management and maintenance methods, and prevent waste at the source.

2.3. The Implementation of Hydropower Management Measures is Insufficient

At this stage, the number of students in colleges and universities is increasing, and in order to match the growing number of students, colleges and universities are actively building teaching buildings and dormitory buildings, resulting in the problem of water and electricity resource consumption becoming more and more prominent. Based on the analysis of hardware facilities, the service life of hydropower infrastructure in colleges and universities is often relatively long, coupled with the lack of Energy-saving and water-saving functions of the design, it is very easy to cause management hidden dangers.

2.4. Increase the Publicity of Energy Conservation

For the school, we should vigorously publicize the important role of energy conservation, transmit the role of energy conservation to all teachers and students in the school, and guide them to establish a high awareness of energy conservation. In order to promote the smooth progress of hydropower energy conservation work, it is necessary to concentrate on integrating the daily cultural construction work of the campus so that it can be continuously deepened in the lives of students. In the development of various student organizations in the school, but also to give the school Energy-saving management work a certain auxiliary role, in the daily campus activities, should be implemented a variety of Energy-saving activities, a variety of Energy-saving slogan posters to make, and then pasted in the school poster billboard. For campus radio stations, when writing water and electricity related manuscripts, the awareness of energy conservation should be closely integrated, and the scope of water and electricity energy conservation education in the school should be expanded, and in the long run, the energy saving awareness of teachers, students and employees of the whole school can be effectively strengthened.

2.5. Rational Application of Hydropower Environmental Protection and Energy-saving Technology

For universities, we should ensure that product research and development meet the needs of energy conservation and practicality, and continuously optimize hydropower Energy-saving technologies and measures, and constantly narrow the distance between hydropower Energy-saving technologies and modern advanced technologies. At the same time, colleges and universities should also ensure sufficient funding, give certain guarantees for the research and development of hydropower Energy-saving products, and ensure that the research and

development of products is consistent with the requirements of Energy-saving campus construction in colleges and universities. In addition, colleges and universities can install magnetic card meters in student dormitories, set up corresponding power sales rooms, and start from the growing demand for electricity use to ensure the rationality of line capacity improvement.

2.6. Strengthen Energy-saving Management

In order to ensure the good implementation of the management of water and electricity resources in the school, the school management personnel should strengthen the construction of feasible plans, and for the school leaders, they should play their leading role in energy conservation and environmental protection issues, so as to lay a good foundation for improving the management awareness of the resource management team. At the same time, in the logistics management department, it is also necessary to build a hydropower resource control department to ensure its high degree of independence, and reasonably divide the rights and responsibilities of the management personnel of the department [2]. Based on the perspective of hydropower management personnel, in the daily management process, all buildings and places on campus should be inspected irregularly, and the resource consumption statistics equipment should be installed in the living and office space of teachers and students, providing great convenience for the monitoring of specific water and electricity consumption in the school, and continuously improving the statistical efficiency of management personnel. In terms of renewable energy utilization, reclaimed water recycling devices can be installed in the public toilets of student apartments to provide a certain guarantee for the recycling of wastewater, and in terms of flushing toilets and greening, the application of natural rainwater and sewage discharge should be strengthened, and fresh water should not be taken as much as possible.

3. Conclusion

In summary, after the concept of Energy-saving campus construction is proposed, clear requirements are put forward for the management of hydropower energy conservation in colleges and universities, so in the process of hydropower management in colleges and universities, we should actively infiltrate the awareness and technology of Energy-saving management. continuously strengthen the level of operation cost control of colleges and universities, and avoid the phenomenon of waste and loss of hydropower, so that the construction of Energy-saving campuses and the management of hydropower Energy-saving in colleges and universities can maintain a high degree of unity and coordination, and achieve good Energy-saving implementation results.

Acknowledgments

Thanks to all the students who helped me, it took me nearly two months to finally finish this paper, and in this journey full of struggle, thank you to all the teachers who have helped me.

References

- [1] Jiang Dan, Wang Lina, Zhang Yang, et al. A brief analysis of the problems and countermeasures of energy conservation management in colleges and universities[J]. Wikipedia Forum e-Journal, 2019, 000(023):222 (In Chinese).
- [2] Ying Yifan, Wang Siya, Wang Yao, et al. Investigation and analysis of the current situation of water and electricity use in campus and its intensive management scheme[J]. 2021(2013-7):223-225. (In Chinese).
- [3] Han Qiaolin. Research on problems and countermeasures in hydropower Energy-saving management in universities [J]. Volkswagen Standardization, 2019(15):27-28.

- [4] Jiang Zhenghua. Exploration of Hydropower Energy-saving Management Model in Universities [J]. Neijiang Science and Technology, 2019, 40(09): 14-15.
- [5] Ye Ran. Hydropower Energy-saving management of universities based on Energy-saving campus construction [J]. Business News, 2019(18): 119-120.
- [6] Xiong Dingyin. Analysis of the application of hydropower Energy-saving project management model in colleges and universities [J]. Modern Marketing (Business Edition), 2019 (05): 165. DOI: 10.19921 /j. cnki.1009-2994.2019.05.126.