

NBS Good Practices from Chinese government

May 2019

Green small hydropower construction in Zhejiang Province

1. Background

According to the decision-making arrangements of the Party Central Committee and the State Council on promoting green development and the energy revolution, Zhejiang Province vigorously promoted the construction of green small hydropower, giving full play to the role of small hydropower in protecting the ecological environment and promoting energy conservation and emission reduction. Since 2017, Zhejiang Province has successfully created 38 small green hydropower stations, ranking first in the country. It is currently innovating to create a basin-type “green small hydropower”. Zhejiang Province promoted the construction of rural hydropower ecological demonstration zones and completed the construction of 34 demonstration zones.

2. Implementation time

Since 2017.

3. Implementation stage

In operation.

4. Case implementation related parties

Local government, hydropower enterprises, local residents.

5. Beneficiary

Hydropower enterprises, local residents.

6. Project level

The local.

7. Mitigation and adaptation to the effects of climate change

Through the development of green small hydropower, the local power supply shortage problem is solved and greenhouse gas emissions are reduced. The small hydropower that has been built in the local area will be upgraded, and the ecological operation will ensure that the ecological water demand will continue to drain in the whole basin and continuously improve the river ecology.

8. Social, economic and environmental impacts

Through the construction of rural hydropower ecological demonstration zones, Zhejiang Province will repair 107 kilometers of dewatering river and effectively improve the environment and rural appearance on both sides of the river. After the green reconstruction of small hydropower in Anji County, Huzhou City, the annual average power generation revenue of the power station increased by more than 2 million yuan. The river network water ecosystem of the county was effectively improved. The length of the dewatering surface was reduced to 22.4 kilometers and the water surface area was 290,100 square meters. The abandoned Longwang Hydropower Station was

rebuilt. It is a comprehensive exhibition hall for small hydropower, and it is operated under the theme of "I am on duty at the hydropower station tonight" and becomes an internet celebrity hotel.