



# HUÓSHUI GROUPED SMALL HYDROPOWER CHINA

Clean energy for remote mountain communities



*The Rural China Grouped Small Hydro Project consists of a group of 95 small-scale hydropower plants which generate clean renewable electricity across rural south western China. The project contributes to mitigating greenhouse gas emissions by generating hydroelectric power rather than burning coal and makes a substantial difference to the lives of local communities.*



### The Context

The power of running water can be utilised to generate electricity in remote areas in China that would otherwise depend on fossil-fired power. Before the implementation of this multi-location project, local residents around the project sites were living in very poor conditions and the local governmental financial sources were very limited. The implementation of this project helps to achieve sustainable development in social, environmental and economic aspects of local communities.

### The Project

Ninety-five individual hydropower plants with a total capacity of 215.71MW are providing Southern and Central China with clean energy to help meet the mounting demand for power. The plants are all small-scale, ranging in size from 0.1 to 14 MW capacity, and together contribute an average of 769,396 MWh of clean energy to the grid annually. They use a 'run-of-river' design, which means they are able to utilise the power of the rivers with no significant environmental or social impacts. The cost of building small-scale hydropower plants in remote locations is a significant barrier to their construction.

### The Benefits

These projects would not have been financially viable without the extra revenue from carbon credits. Permanent and temporary jobs are created by the project implementation. In addition, carbon credits are used to fund social initiatives like disaster relief funds, and agricultural and education programmes that are implemented in cooperation with local organisations. Agricultural workshops on growing fruit trees and other sustainable crops offer increased income opportunities for local farmers.

The project has implemented a school support program which provides books, pencils, dictionaries and other school needs as well as fresh fruit to students in surrounding communities.



**192 students**

taking part in education programs about environmental, wildlife protection and air pollution



**240 women**

are employed by the project, representing 30% of total workers



**179 people**

in surrounding villages partaking in agricultural training programs



**769,396 tCO<sub>2</sub>e**

reduced annually by providing an alternative to the burning of fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

**Official name:** Grouped Hydropower Plants in Chongqing, Yunnan, Sichuan and Guizhou Provinces, P.R. China  
**UNFCCC/markit/VCS link:** [https://mer.markit.com/br-reg/public/project.jsp?project\\_id=100000000000384](https://mer.markit.com/br-reg/public/project.jsp?project_id=100000000000384) | **UNFCCC/markit/VCS ID:** 0384

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