

## NBS Good Practices from Chinese government

May 2019

### The Integration Project of Sihong County Urban and Rural Water Supply

#### 1. Background

After the overall startup in June 2015, the regional water supply project of Sihong County, Suqian City, Jiangsu Province completed in June 2016. A 150,000-ton/day water purification plant was built (15,000 tons/day in the first phase), 1 water source plant, 6 booster stations, 306 km clear water pipe network, 68 km water pipe network, total project investment of 1.379 billion yuan, combined with 8,800 km of laid town and village pipelines, to achieve regional water supply connected with the village household. In September 2016, the water quality of the factory water was tested and all 106 items had complied the requirements of limit value in "Sanitary Standard for Drinking Water", and the water supply was tested in townships. At the end of December 2016, Sihong County completed the regional water supply project in an all-round way, achieving a regional water supply and village rate of 100% and a household rate of over 95%.

#### 2. Implementation time

June 2015 to December 2016.

#### 3. Case implementation related parties

It involves local government of Suqian City, Jiangsu Province, water supply enterprise, water investment enterprise, and local residents.

#### 4. Beneficiaries

Local residents of Sihong County.

#### 5. Total investment and composition of funds

The total investment of Sihong County Regional Water Supply Integration Project is 1.379 billion yuan, including 368 million yuan for county financial arrangements, 204 million yuan for provincial special investment, 307 million yuan for PPP financing, and 5 million yuan for loan financing of projects.

#### 6. Project level

The local.

#### 7. Mitigating and adapting to the impacts of climate change

Sihong County is based on homogenous sources and networks. In accordance with the implementation concept from water source engineering to faucet engineering, it plans to arrange regional water supply and rural drinking water safety projects to ensure water source, water plant and pipe network. The seamless integration of the four key links of the household has effectively improved the ability of county's water supply project to cope with climate change and achieved positive results.

#### 8. Social, economic and environmental impacts

Through the implementation of the regional water supply project, Sihong County has realized the full coverage of water supply in urban and rural areas, and realized the “homogenous source, homogenous quality, homogenous pipe network, homogenous service” of urban and rural water supply, greatly improving the quality of water supply and the level of water supply safety, which has been praised by the masses of the county.