洞口县电力局

关于长塘河小水电项目有关情况的说明

1. 根据洞口县 35kV 电力线路的规划方案，由于双龙桥水电站是长塘河流域最大的水电站，因此县电力局决定在双龙桥水电站站址处与双龙桥电站同步建设长塘河 35kV 变电站。该变电站建成后，长塘河流域的各电站将通过该变电站升压上网。

双江桥、双龙桥、荷包塘水电站的业主单位同为洞口县浙湘水电开发有限公司，因此长塘河小水电项目三个梯级电站经同一关口电表计量上网电量；长塘河流域其他电站通过其他关口电表计量上网电量。

2. 由于丰水期电力供大于求，电网调度部门会根据电力需求及电力供应的具体情况先确定一个合适的比例，在调度时按这一比例乘以各小水电站设计年发电量来确定允许各小水电站上网的电量，这样对各小水电站才是公平的。

3. 根据我县小水电站运行的实际情况，由于丰水期电力供大于求，小水电站发电受到电网的限制，造成部分弃水，实际年上网电量约为设计多年平均发电量的 70%～80%。

特此说明。

洞口县电力局

2009 年 4 月 28 日

Explanation on Changtanghe Small Hydropower Project

1. According to the planned scheme of 35kV power transmission line in Dongkou County, Dongkou County Power Bureau will build Changtanghe 35kV Substation in the same site as Shuanglongqiao Hydropower Plant during the period of the construction of the plant considering that the plant is the biggest one in Changtanghe River Basin. After the construction of the substation is completed, all hydropower plants in Changtanghe River Basin will be connected with the grid through the substation.

The owner of Shangjiangqiao Hydropower Plant, Shanglongqiao Hydropower Plant and Hebaotang Hydropower Plant is the same, namely Dongkou Zhexiang Hydroelectric Co. Ltd., so the power generation supplied to the grid by the three plants of the project activity is monitored by the same meter, the power generation supplied to the grid by other plants in Changtanghe River Basin will be monitored by other meters.

2. Usually the power supply is greater than the power demand during the high flow period, the grid will at first decide a suitable proportion according to the concrete status of the power demand and the power supply, then decide the on-grid electricity supply of each small hydropower plant according to the designed annual power generation multiplied by the same proportion, only in this way it can be fair for the power generation of each small hydropower plant.

3. According to the actual operation status of the small hydropower plants in Dongkou County, the power supply is beyond the power demand during the high flow period, the power generation of the hydropower plants is limited by the grid, this causes that some water flow is wasted without power generation during the high flow period; the actual annual on-grid electricity supply is about 70%～80% of the designed annual maximum power generation.

Dongkou County Power Bureau

28 April 2009