关于福贡县境内中小水电上网有效电量和电价结算说明的通知

各中小水电开发公司：

我公司对县境范围内 2004 年所有中小水电上网有效电量和电价结算的实际平均水平进行了计算后得出：平均上网有效电量为各电站设计年平均发电量的 83.59%，平均上网结算电价为 0.153 元/千瓦时（含税）。

造成有效上网电量和结算电价水平偏低的原因有以下几个方面：

一、目前州内输电网架结构还十分薄弱，与大电网（南方电网）连接仅依靠 110 千伏线路送出，输送负荷能力有限。丰水期因电网送出瓶颈限制发电现象普遍，已发电站弃水损失情况较为严重，导致各电站有效上网电量达不到设计水平。

二、中小水电站开发已进入高峰期，电网建设的速度相对滞后于新建成投产水电站增加的容量，发电受限制的矛盾将在较长一个时期内存在，最近几年有效上网电量有可能还有减少的趋势。

三、本地工业负荷较少，自发电量无法就地平衡。多余电量送给大电网，输送距离长、线损较大，与大电网结算电价中扣除本公司过网费后，致使中小水电上网结算电价较低。

四、随着新建成投产水电站的增多，送到大电网的电量比例愈来愈高，势必导致水电上网电价水平的再次降低。

特此通知

云南怒江电网有限公司福贡分公司

二〇〇五年一月六日

Notice of explanation on the Coefficient of Effective Electricity and the Grid Price of Hydropower Stations

To small and medium scale hydropower development enterprises:

After the calculation on the actual average level of effective electricity and settlement grid price in all hydropower stations (located in Fugong County, which the project located) connecting to the grid in 2004, we have find that: the average coefficient of effective electricity takes 83.59% of the annual average designed power generation, and the average grid price is 0.153Yuan/kWh (VAT included).

The reasons that cause this effective electricity and grid price are as following:
1. The transmission line construction is poor, the connection with large grid (South China Grid) can only through the 110 kV voltages lines, and the transmission load capacity is limited. Since the bottleneck on transmission in abundant water period appears generally, the loss caused surplus water is seriously, resulting that the grid effective electricity could not reach the design standard.

2. The development on middle and small scale hydropower is pacing into the summit period; the construction on grid could not keep pace with the addition capacity in newly built station. The bottleneck on power generation will exist in long period. The decreasing trend on coefficient of effective electricity will last for a few years.

3. The industrial consumption in local county is not much, and the surplus electricity have to transmit to high level grid, the transmitting distance is long with big line loss. After deducting the wheeling cost of our company when settlement grid price with large grid, the hydropower settlement grid price is relative low.

4. While the newly built hydropower stations are more and more, the ratio that the electricity generated transmitted to large grid will become higher and higher correspondingly, resulting the grid price will be decreased further inevitably.

Fugong Branch of the Yunnan Nujiang Grid Company
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