

2001 year	2009 year	Further improvements
<ol> <li>Energy tariff</li> <li>Time of use 3 parts tariff</li> <li>Tariff for consumers without meters</li> </ol>	<ol> <li>Energy tariff</li> <li>Time of use 3 parts (day, evening and nighttime) tariff for industrial users and enterprises</li> <li>Time of use 2 parts (day and night) tariff for residential consumers</li> <li>Time of use 2 parts tariff for lighting of public streets and squares</li> <li>Time of use 2 parts tariff for lighting of entrance of apartments (Condominium Owners' Association)</li> <li>Tariff for residential consumers in ger district</li> <li>Tariff for average consumption in case of no meter is installed</li> <li>Tariff for vulnerable groups-low income consumers</li> <li>Tariff for electrical transportation-Trolley</li> <li>Increasing block tariff for residential consumption level</li> <li>A monthly supply charge or capacity tariff for residential consumers</li> </ol>	<ol> <li>Modify electricity tarifidesign for industrial users and enterprises</li> <li>Increase electricity capacity tariff for industrial users and enterprises</li> <li>Introduce voltage tariffs depending on voltage level</li> </ol>

HEAT TARIFF DESIGN			
2001 year	2009 year	Further improvements	
<ol> <li>Measured by a meter</li> <li>Calculated by volume of the building</li> <li>Calculated by square meter area of building</li> <li>Calculated by number of persons</li> </ol>	<ol> <li>Measured by a meter</li> <li>Calculated by volume of the building</li> <li>Calculated by square meter area of building</li> <li>Calculated by number of persons</li> <li>Tariff for hot water use for residential consumers based on a water flow meter</li> <li>Tariff for hot water use for residential consumers based on a number of persons- seasonally different rates</li> <li>Wholesale tariff for hot water use for enterprises that conduct their business activity on 1<sup>st</sup> floor of apartment building</li> </ol>	1. Modify heat tariff to real-cost based tariff	





## **CHANGES IN ELECTRICITY AND HEATING TARIFFS** (In Central Energy System) In 2002 Electricity and heat retail prices increased by 4.4% and 12.4-30.0% in average respectively; In 2005 A growth in electricity and heat end user prices represented 8.5% and 19.3% in average respectively; In 2007 Electricity price was increased by 4.4% Heat price in Darkhan and Erdenet cities were increased by 20.1-26.4%; In 2008 Electricity price was increased by 27.8% Heat price in Ulaanbaatar city was increased by 39.0%, hot water use tariff for residential consumers in apartment was increased by 61.3-141.9% In 2009 Electricity price was increased by 17.35% Heat price in Ulaanabaatar, Darkhan and Erdenet cities were increased by 14.5%;







WORLD BANK'S RESEARCHER'S STUDY SUMMARY				
Tariff	End user tariff			
ам \$ 0.04/kWh	Tariff not sufficient to cover operating expenses			
ам S\$ 0.05/kWh	Tariff sufficient to partly finance the operating expenses, maintenance and renewal.			

ам S\$ 0.05/kWh	operating expenses, maintenance and renewal.
ам \$ 0.08/kWh	Tariff sufficient to cover the operating expenses, maintenance and renewal.



## ENERGY TARIFFS AND PRICES IN LOCAL AREAS The main issue of local energy licensees, that is unavoidably necessary for $\Leftrightarrow$ consideration, is the affordability of consumers in local areas. Thus, a subsidy is required to be given to the local licensees in order to provide power supply service to those consumers living in local areas. The Energy law of Mongolia stipulates that tariffs for different consumer clauses should be set based on actual cost of energy supply to them. Although this clause of Energy law implicitly states tariffs without subsidy, but elimination of subsidy is complicated issue due to long lasting and strong habituation of consumers relying on subsidy. \* From practical and theoretical point of view of regulation, a subsidy is generally accepted. For example, in the summary released by the World Regulators Forum held in Australia in 2004, it was considered that the subsidy is absolutely required for energy sector. Due to the fact that a low level of living standard and affordability in local areas in those areas the Government of Mongolia provides subsidy because it is impossible to set tariff at the full cost recovery level. In one year, the amount of subsidy giving to local energy licensees from state budget has been reached 21.5 billion tugrug (15.4 million US\$).









