China's Efforts on Standby Power Reduction

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Standby Power in China

- China is the largest country to produce, consume and export appliance and electrical equipments in the world
- With the improvement of living and working environment, more and more products with standby function surge into households and offices
- The average standby power consumption in China urban home is about 15 Watt
- Government office buildings with large amount of office equipments cause high standby power consumption
- There exists huge potential to reduce standby power consumption

China's Voluntary Endorsement EE Labelling Program

- Launched the labelling program in 1998
- In 2002, CSC implemented a standby power EE labeling program for TVs based on international experience
- Until now, 10 types of products have been included in the standby power certification program. They are TVs, DVD players, printers, faxes, copiers, computers, monitors, multifunction devices, projectors and external power supplies

Energy-Efficiency Standards

- National mandatory standard
- The *Limited values of energy efficiency and evaluating values of energy conservation for Color TVs* was issued in July 2005, and was implemented since March 1st, 2006
- The Limited values of energy efficiency and evaluating *values of energy conservation for* external power suppliers was issued in May 2007, and was implemented in December 2007
- Copier and monitor EE standards are under development
- More and more products are listed in EE standard work plan

Government Procurement for Energy-Efficient Products

- On December 17, 2004, MOF and NDRC jointly issued the *Procurement Policy for Energy Efficient Products*
- Government organs at all levels (public sector non-profits units and organizations) are required in the procurement process to *give priority to products certified as energy-efficient*
- CSC has provided technical support and been responsible for compiling the List of Energy-Efficient Products, which draws on CSC labeling results for the Government EE procurement scheme
- In 2006, there are 7 types of products with standby power requirement in the List
- In middle 2007, China national congress released a note to make it compulsory for government departments to purchase highly efficient energy-saving, water-saving and environmental-friendly products in governmental procurement

  - There are 4 types of products with standby power requirement in the List, TV, computer, printer, monitor

CSC's Efforts on Standby Power Reduction

- CSC takes part in international initiatives in standby actively, is a leader member of "1W COMMUNIQUE"
- CSC takes the lead in reducing standby power consumption in China

  - Firstly introduced standby power concept into China in 2000
  - Provide consultancy to government agency on standby power EE policy
  - Develop EE standards and technical specifications for standby power products
  - During the China National Energy Conservation Week, initiate promotion and education activities through TV, newspaper, etc.
  - Set up 1W Forum, and it becomes an annual action

International Cooperation
--A Productive Approach

- Develop harmonized international test method/procedure for EE products
- Establish harmonized international criteria
- Establish a labeling system that harmonizes with International labeling standards
- Cooperation on External Power Supplies is a good example
- In 2004, CSC adopted the outcomes of the international certification harmonization project on **External Power Supplies**, and launched an energy certificate program on EPS

China's Efforts in Future

- Speed up the development notional EE standard for standby products
- Launch more EE labeling programs
- Reinforce government procurement on EE products
- Develop more fiscal and economical policies to encourage EE products production and utilization
- Enhance international cooperation and harmonization
- Improve consumers' awareness of standby power conservation

One World

One Dream