



Energy Efficiency Progress in China

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Geng Wang
China National Institute of Standardization (CNIS)



Outline

- ❑ Energy efficient products incentive program
- ❑ EE standards and energy labeling system
- ❑ Solar energy incentive programs
- ❑ Energy management system
- ❑ White paper on energy efficiency 2009





Energy efficient products incentive program

- ❑ May 21st, 2009
- ❑ Annually promoting domestic demands for energy efficient products above 400 billion RMB (60 billion USD), saving electricity 75 billion kWh
- ❑ Product plans: ACs, refrigerators, clothes washers, TV, motors, computer displays, etc.

ACs

- ❑ Grade 1 product with subsidies 500-850 RMB/unit
- ❑ Grade 2 product with subsidies 300-650 RMB/unit
- ❑ local government additional subsidies 150 RMB/grade 1
100 RMB/grade 2





Results

- ❑ 2004-2008 high efficient AC market share 5%, **2009 50%**
- ❑ 2009 total sales for Grade1&2 ACs above **450 million** (95 million for 2008)
- ❑ 2009 total subsidies **2 billion** RMB (400 million NZD)
- ❑ Major AC manufacturers stop producing Grade 4&5 products
- ❑ Increasing ACs EE level **15%**
- ❑ Annually saving electricity **1.5 billion kWh**

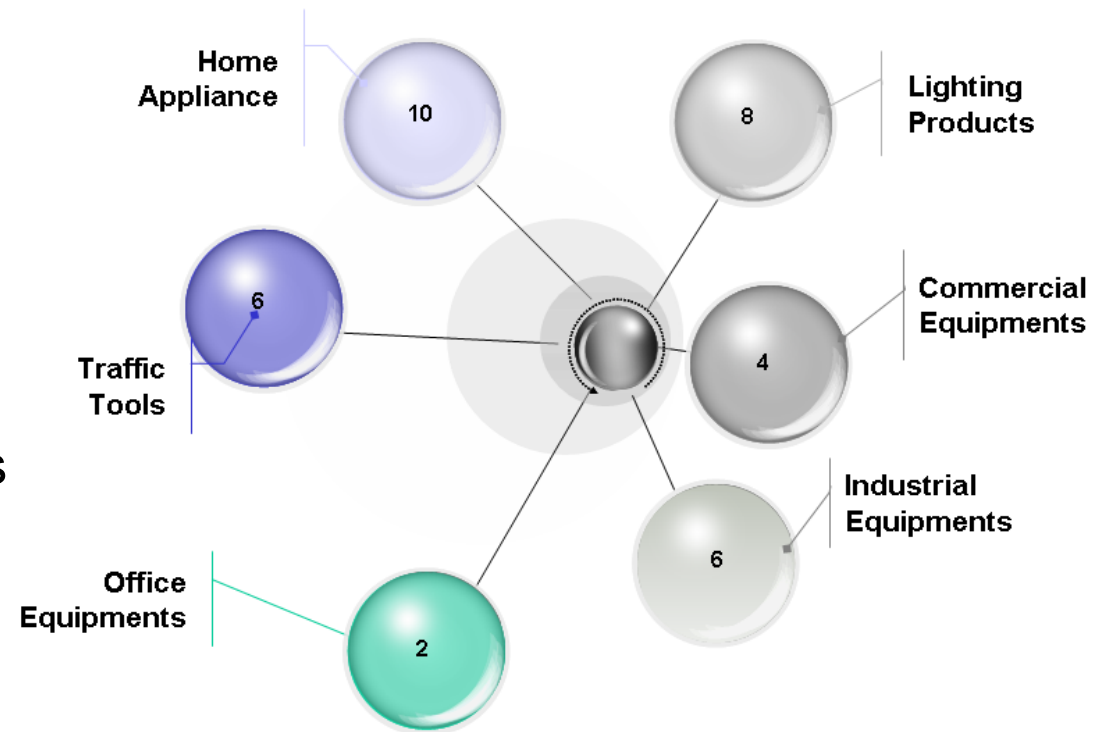




EE standards and Energy labeling program

36 EES promulgated, involving **6** product categories

- ❑ **36** EES
- ❑ EL covered **19** products
- ❑ above 1000 manufacturers
- ❑ more than 50,000 modes
- ❑ 2012 EL covered 30 products





Solar energy incentive programs

- Mar.23,2009 Solar Roof Program-----BIPV
Subsidies about **20 RMB/W**
Till Oct.2009, **111 projects (91MW), 1.3 billion RMB**



- Jul.21, 2009 Golden Solar Energy Program-----grid-connected PV projects
installed capacity > 300kWp, running period > 20 years
grid-connected PV project **50%** total investment subsidies

electricityless remote districts grid-off PV project **70%** total investment subsidies





Energy management system

- ❑ GB/T 23331-2009 energy management system requirements
- ❑ developing NS of EnMS guideline and best practice guide for 10 sectors
- ❑ actively joining to develop ISO 50001 (ISO/PC242)
- ❑ organizing international conference on EnMS implementation in Oct.2010
- ❑ to host ISO/PC242 4th meeting in Beijing in Oct.2010
- ❑ planning national EnMS incentive program





White Paper 2009 energy efficiency information on end-use products

To be published in Mar. 2010

- ❑ appliances, industry equip., commercial equip., office equip., lighting equip.
- ❑ energy conservation policy and measures
- ❑ energy efficiency data
- ❑ energy consumption and sales data
- ❑ energy saving potential and new techniques
- ❑ energy efficiency strategy





Contact:
Geng Wang
China National Institute of Standardization (CNIS)
wanggeng@cnis.gov.cn

Thank you!

