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# Update information on EE standard and labeling from China

---on EGEE&C 44<sup>th</sup> meeting

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**Oct.20<sup>th</sup>, 2014, at Beijing**



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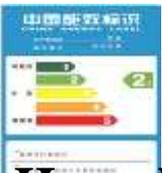
## Update of EE standard

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## Update of EE labeling

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# Update of EE standard

## Household appliance

refrigerator, room-type air-conditioner, washing machine, electric rice cooker, flat panel televisions, color TV, electric fan, variable speed air-conditioner, electric water heater, gas instantaneous water heater, induction cooker, microwave oven, domestic solar water heating systems range hoods, **domestic gas cooking appliances**

## Transportation

Passenger car, Commercial vehicles, low-speed goods vehicles, Tri-wheel vehicles, moped, Motorcycles gasoline engine

## Official & electronic product

Copy machine, displayer, flat panel television, printer and fax machine, computer

## Lighting

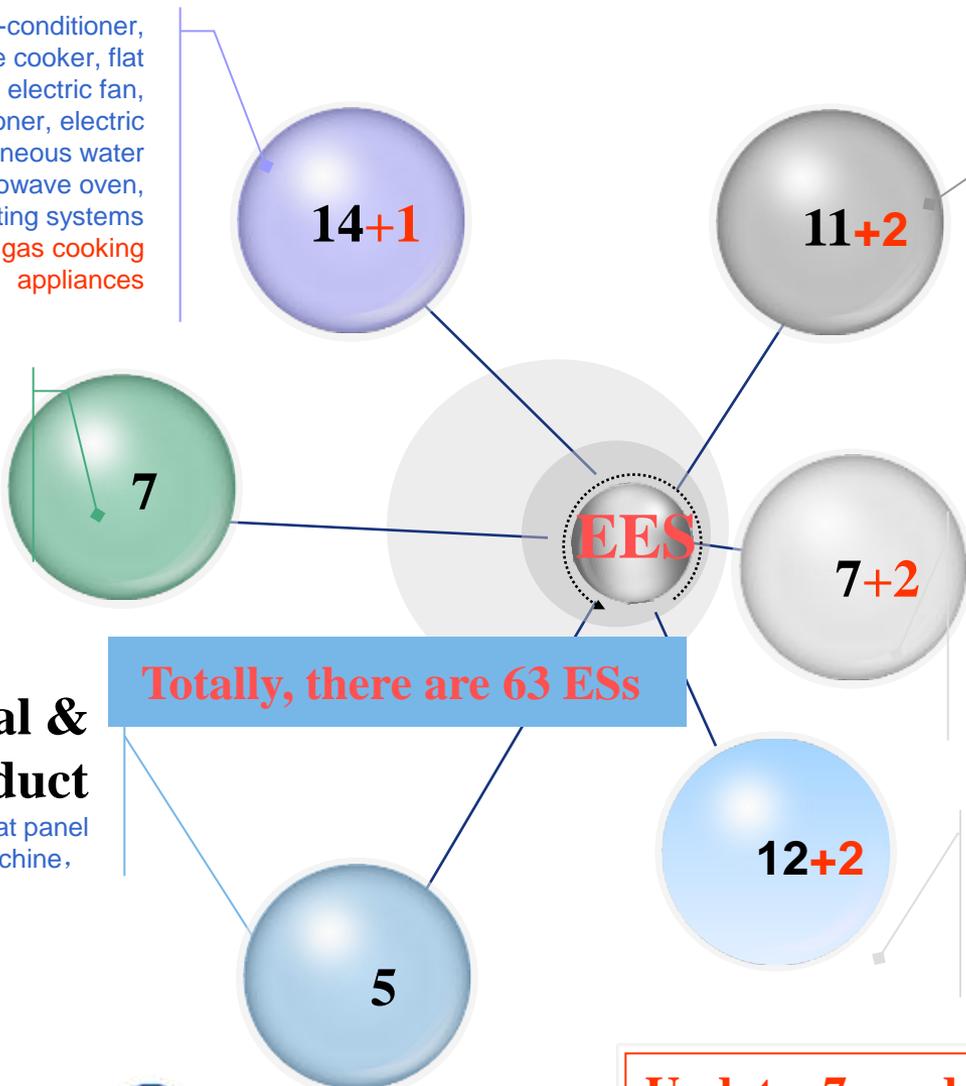
Tubular Fluorescent Lamps, Double-capped Fluorescent Lamps, Single-capped Fluorescent Lamps, Self-ballasted fluorescent lamps, High-pressure Sodium Lamps, Metal-halide Lamps, Fluorescent lamps ballast, high-frequency electronic ballast for MH lamps, High-pressure Sodium Lamps Ballast, self-ballasted electrodeless fluorescent lamps, ballasts for electrodeless fluorescent lamps, single-capped electrodeless, **non-directional self-ballasted LED-lamps, tungsten halogen lamp**

## Commercial product

Unitary air-conditioner, water chiller, multi-connected air-condition unit, external electric power resource, Refrigerated display cabinets with remote condensing unit, lithium bromide absorption chillers, heat pump water heaters, **commercial gas cooking appliances, water-source(ground-source), heat pump**

## Industry product

motor, air compressor, fan, propeller pump, power distribution transformer, AC contactor, industry boiler, electricity transformer, small power motor, centrifugal blower, arc welding machines, **permanent magnet synchronous motors, cage three-phase high voltage induction motor**



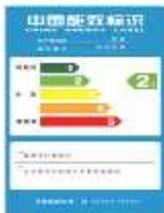
**Update: 7 products (during 2013-2014)**

# Update of EE labeling



Batch	category	Categor ies	Publish time	Implement time
1st	2	refrigerator, room air-conditioner	2004. 11. 29	2005. 3. 1
2nd	2	washing machine, Unitary air-conditioner	2006. 9. 18	2007. 3. 1
3rd	5	Self-ballasted fluorescent lamps,High-pressure Sodium Lamps ,motor, water chiller , gas instantaneous water heater,	2008. 1. 18	2008. 6. 1
4th	6	VS air-conditioner, multi-connected air-conditioner , electric water heater , induction cooker, displayer, Copy machine	2008. 10. 17	2009. 3. 1
5th	4	electric rice cooker , electric fan, AC contactor , air compressor, revise refrigerator	2009. 10. 26	2010. 3. 1
6th	2	electricity transformer , fan, revise AC	2010. 4. 12	2010. 6. 1
7th	2	TV, microwave oven	2010. 10. 15	2011. 3. 1
8th	2	printer and fax machine ,digital television adapters	2011. 8. 19	2012. 1. 1
9th	2	refrigerated display cabinets with remote condensing unit , domestic solar water heating systems	2012. 6. 21	2012. 9. 1
10th	1	computer	2012. 11. 14	2013. 2. 1
revise	3	revise washing machine、 revise self-ballsted fluorescent lamps、 revise VS-AC	2013. 8. 9	2013. 10. 1
11th	4	Heat pump water heater, range hoods, copy machines and printer and fax machines, revise induction cooker	2014. 10. 20	2015. 1. 1

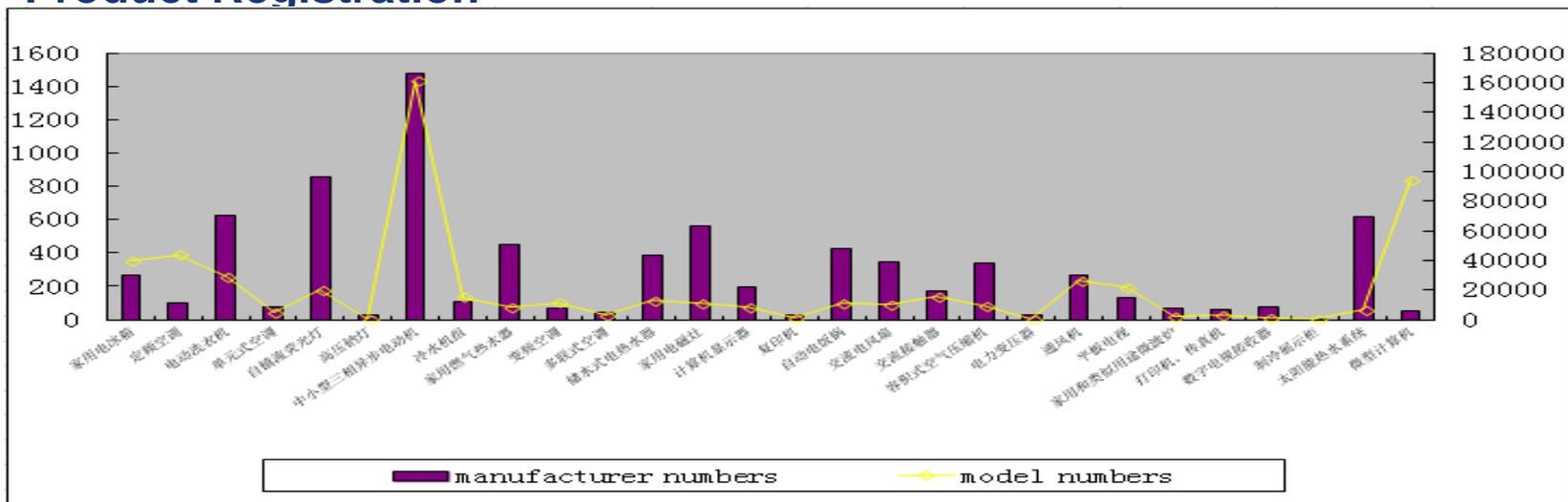
Until now, totally there are **30** categories of products are in China Energy Label's listing.



# Update of EE labeling

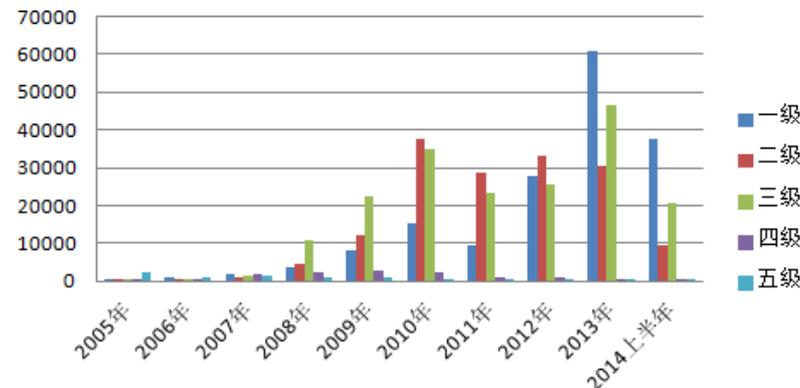
## ➤ Development of Energy Efficiency label

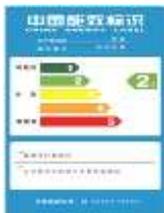
### Product Registration



➤ Untile October,2014, 28 categories products,9013 manufacturers,572328 models are registered  
 ➤ Implementing in 7 years, totally saving energy over 420 billions, equal to standard coal over 140millions

Effect example: efficiency level increasing of air conditioner within 10 years of EEL implementing



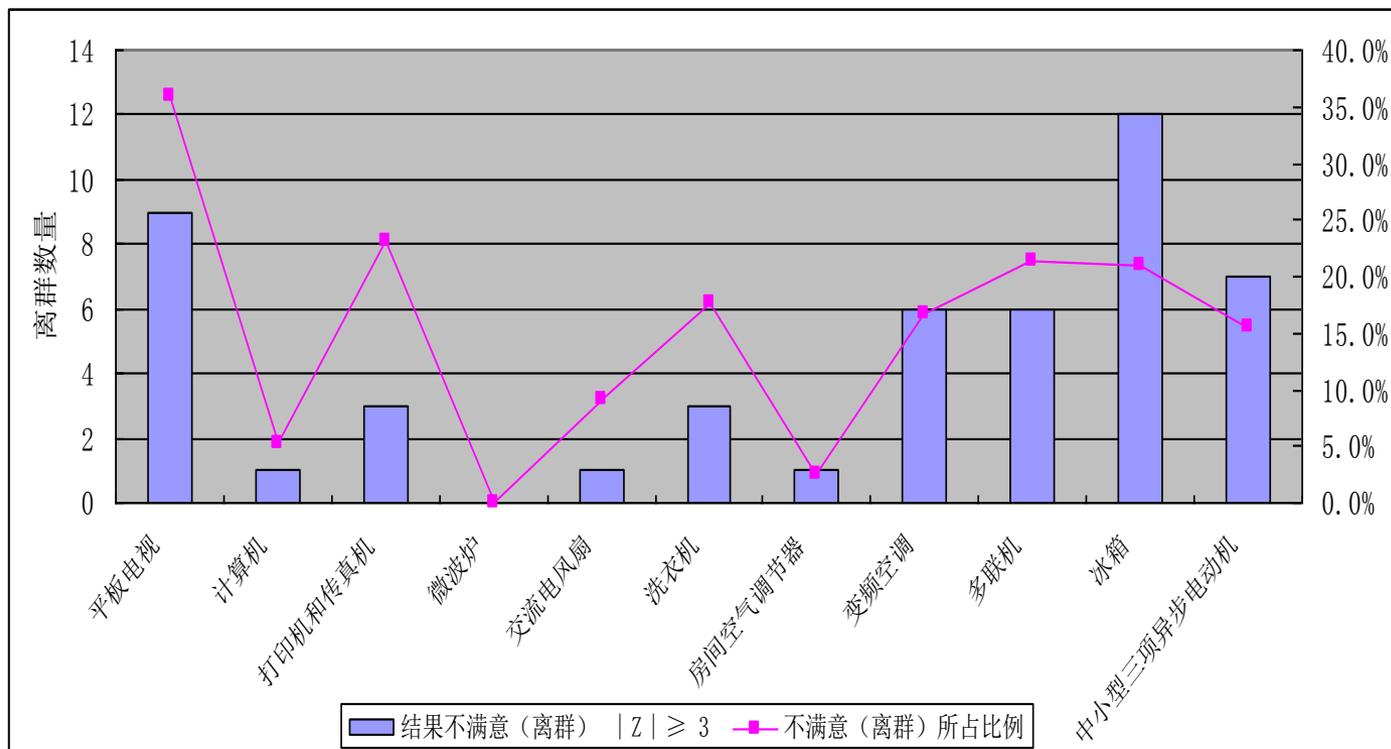


# Update of EE labeling



## ➤ Development of Energy Efficiency label

2013 RRT result was issued on May,2014



➤ Totally there are 301 testing labs took part in the 2013 RRT program on 11 categories products.

➤ The 2014 RRT program is implementing ,there will be over 360 testing labs take part in on 12 categories products.

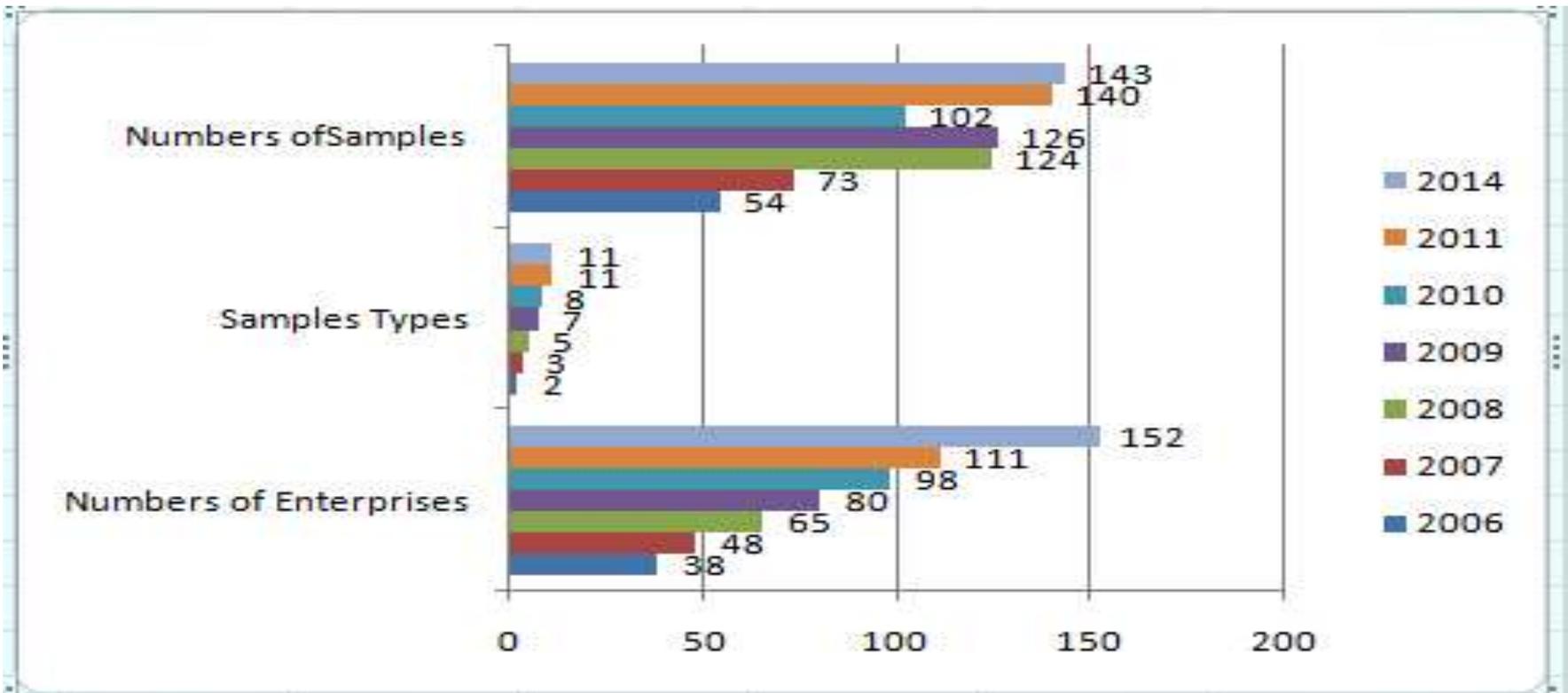


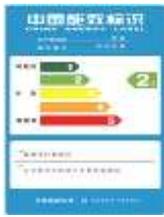
# Update of EE labeling



## ➤ Development of Energy Efficiency label

- Coverage of Market Special Investigation on Energy Label Compliance (2006-2014)





# Update of policy



## ➤ Policy on transportation (started from 2010)

### ➤ Energy Saving Product, Benefit People

The vehicle kerb mass (CM) kg	Type1 With two rows and the following seat or vehicle equipped with manual transmission L/100km	Type2 With three or more than three rows of seats or vehicle with a manual transmission L/100km
CM≤750	5.2	5.6
750 < CM ≤ 865	5.5	5.9
865 < CM ≤ 980	5.8	6.2
980 < CM ≤ 1090	6.1	6.5
1090 < CM ≤ 1205	6.5	6.8
1205 < CM ≤ 1320	6.9	7.2
1320 < CM ≤ 1430	7.3	7.6
1430 < CM ≤ 1540	7.7	8.0
1540 < CM ≤ 1660	8.1	8.4
1660 < CM ≤ 1770	8.5	8.8
1770 < CM ≤ 1880	8.9	9.2
1880 < CM ≤ 2000	9.3	9.6
2000 < CM ≤ 2110	9.7	10.1
2110 < CM ≤ 2280	10.1	10.6
2280 < CM ≤ 2510	10.8	11.2
2510 < CM	11.5	11.9

**Subsidy for 3000 yuan/units supplies to consumer from manufacturer on engines lower than 1.6 liters of the gasoline, diesel passenger cars.**

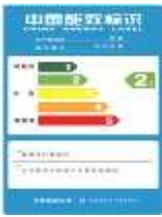


# New research project on EE



- ◆ Continue conducting NDRC and SAC “One hundred energy efficiency standards projects”.
- ◆ “Top runner” policy will be published.
- ◆ Two-dimension code will be printed on energy label to help to get information from database.
- ◆ Water efficiency label will start.





Thank you for your attention!