



Energy Efficiency Power Supplies Labeling Program in China

LI Tienan
Director of China CECP





Outline



1. China Energy Efficiency Situation and Policy.
2. Brief Introduction of China CECP , CECP Logo and Certification Procedure.
3. China Power Supply Energy Efficiency and labeling.
4. Suggestions.



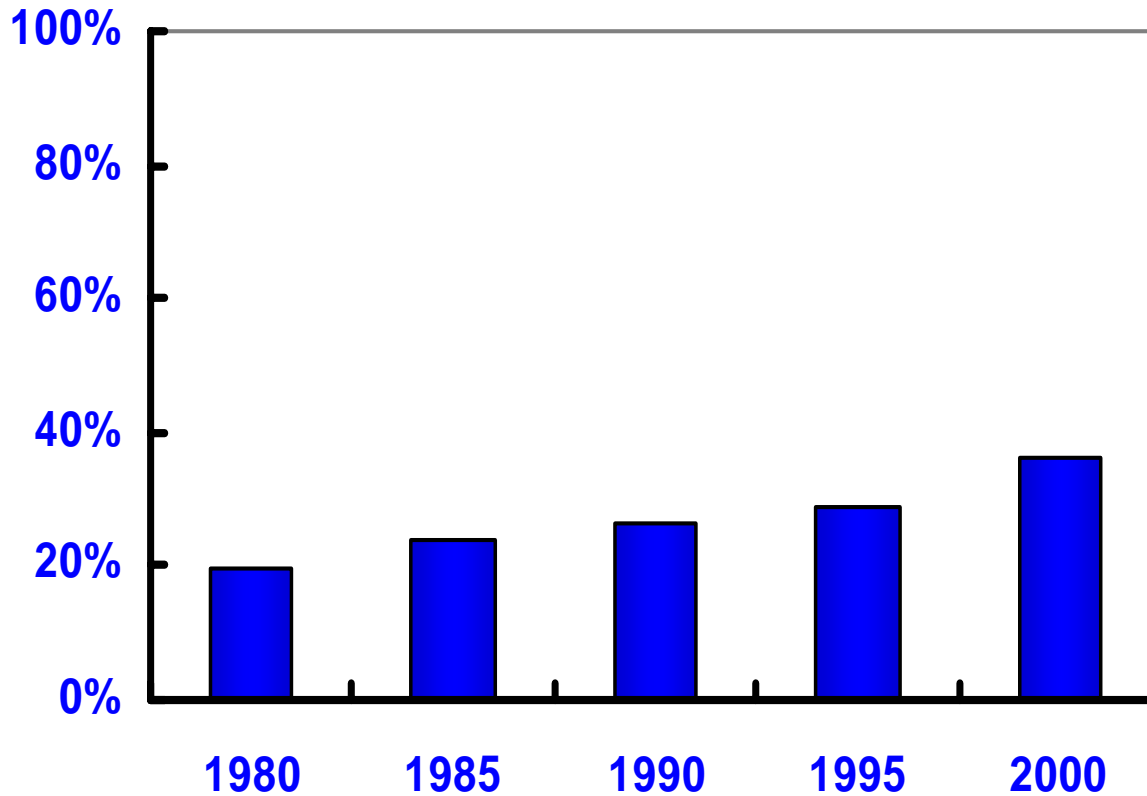
Part 1

China Energy Efficiency Situation and Policy





The Urbanization Course in China





Energy Efficiency Situation of China



- Low energy efficiency and great energy saving potential.
- At present the energy consumption per million dollar is 3.1 times of the world average level and 4.3 times of OECD countries, despite all that the GDP unit energy consumption has been decreased by 60% in the pasted twenty years.
- The energy efficiency of system including energy production, processing transition and terminal utilization is more than ten percent lower than the average of other countries.



Energy Efficiency Policies of China



- In 1998, Energy Conservation Law of the People's Republic of China has been issued.
- On April 4, 2004, the State Council issued the Notice on the Carrying Out of Resources Conservation Activities Nationwide.
- On December 17, 2004, MOF and NDRC jointly issued the Procurement Policy for Energy Efficient Products.
- In 2005 NDRC and the SAT will jointly compile the Product/Equipment Catalog featured with Energy Efficient and Water Conservation to reduce these products taxes.



State Council Office Notice [2004] 30: The Notice on the Carrying Out of Resources Conservation Activities Nationwide



- **During 2004 and 2006, the resources conservation activities will have been conducted nationwide to urge forward the conservation and comprehensive utilization of resources of energy, raw material, water and land, etc.**
- **The government agencies should take the leadership in the resource conservation activities.**
- **Expand the product category of energy efficiency certification as the market access.**
- **Research and develop the incentive policies regarding the financing, tax and price, etc. NDRC shall constantly develop and supplement the EE labeled product catalog with a joint effort from MOF and SAT.**
- **Add more and more energy efficient and water conservation products into the government purchase catalog.**



Government Energy-Efficient Procurement



- On December 17, 2004, MOF and NDRC jointly issued the Procurement Policy for Energy Efficient Products.
- It's required that Government organs at all levels, public sector non-profits units and organizations, when using fiscal resources for procurement, must give priority to the energy efficient labeled products. CECP has provided the technical supports and been responsible of compiling the List of Energy Efficient Products using CECP labeling result for Government Procurement.
- Chinese government will update the energy efficiency product list timely and more and more EE labeled products will be listed.



Current Appliances Situation of China



- China has become one of the major countries that produce and use appliances.
- The average annual increase of appliances production is 32.1% in the last twenty years.
- The demands for appliances are still increasing in domestic markets.
- China has big potential to improve appliance energy efficiency.



Part 2

Brief Introduction of China CECP , CECP Logo and Certification Procedure



Brief introduction of China CECP



- Established in 1998
- Founded by NDRC & AQSIQ
- Non-profit third party organization
- National authorized & well known



Main Tasks of China CECP



- Implement a voluntary certification program for energy efficient, water-saving and environmental-friendly products.
- Undertake one part of tasks for China Compulsory Certification.
- Conduct fundamental research regarding energy, resources and environmental protection to provide technical support for policy making.
- Promote energy efficient, water-saving and environmental-friendly products and remove the market barriers.
- Develop international cooperation in the field of energy efficiency, water conservation and eco-labeling.



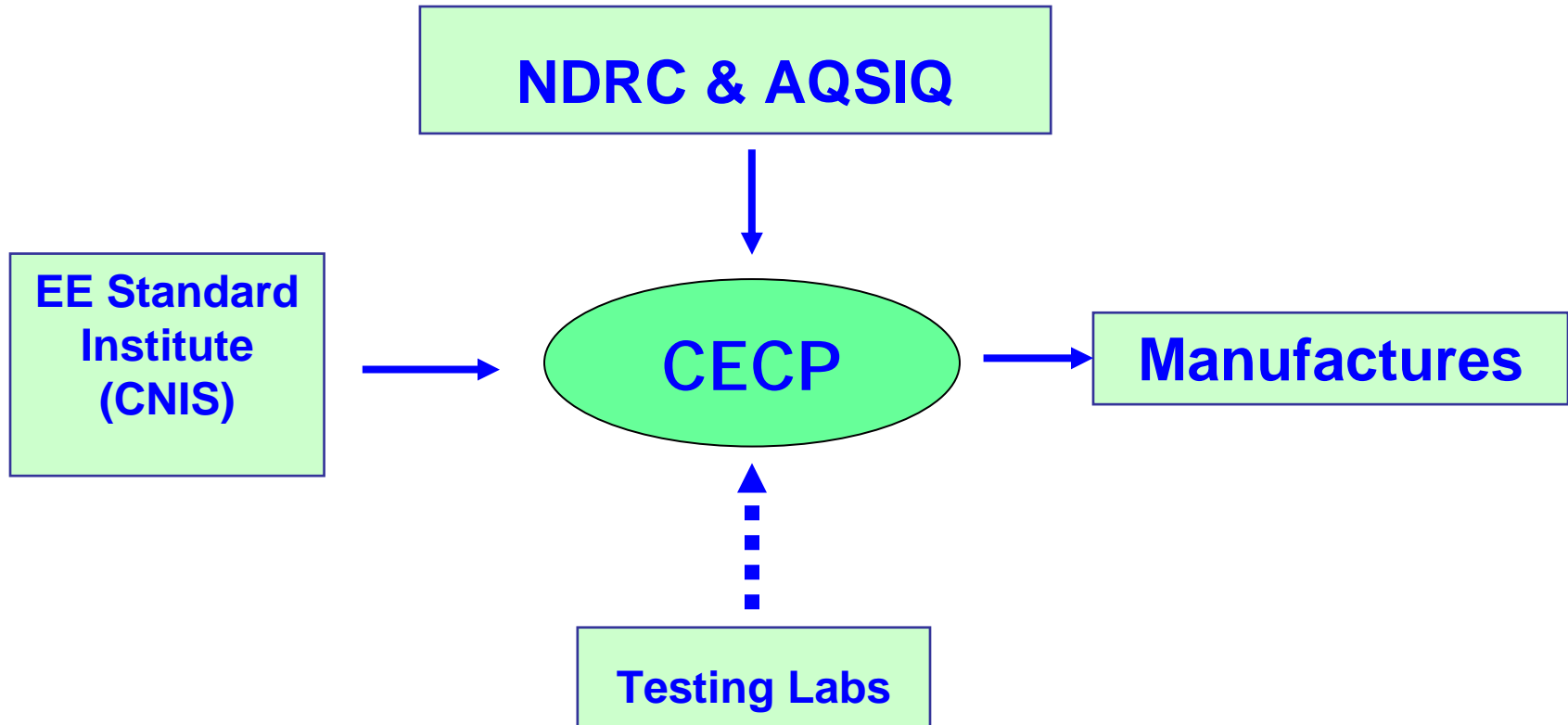
Make it easy for buyers

----- China EE certificate and label





China EE Label Certification Implementation Framework





China EE label Certification Procedure



1. Accepting application.
2. Signing the certification service contract.
3. Manufacturer field audit.
4. Products test.
5. Assessment of the field audit and product test reports.
6. Approval.
7. Annual Supervision and inspection.



Manufacturer Field Audit



- The audit team is made up of 2~4 persons from registered auditors and professional experts.
- The audit mainly focuses on:
 - Design and R&D process of product;
 - Purchase process of key components;
 - Production process;
 - Testing process.



Product Testing



- Take samples for testing.
- CECP qualified labs undertake the test.
- Test samples with uniform test procedure and measures.
- Tests include:
 - Key performance specifications;
 - Energy consumption specifications.



EE Labeling Product Category



- **Home Appliances** : Refrigerators, air conditioners, electric water heaters, residential micro-wave ovens, rice cookers, washing machine, etc.
- **Lighting Products** : Ballasts for fluorescent tubes, double-capped fluorescent lamps, CFLs, high-pressure sodium lamps and the associating ballasts, metal halide lamps and the associating ballasts, etc.
- **Industry Products** : Air compressors, electric motors, line traps for AC power system, electric power fitting, power control devices, etc.
- **Standby power Products**: Color TVs, DVD/VCD, printers , copiers, fax machines, computers and displays, etc.
- **EXTERNAL POWER SUPPLY IS A NEW LABELING PRODUCT.**



Part 3

China Power Supply Energy Efficiency and labeling



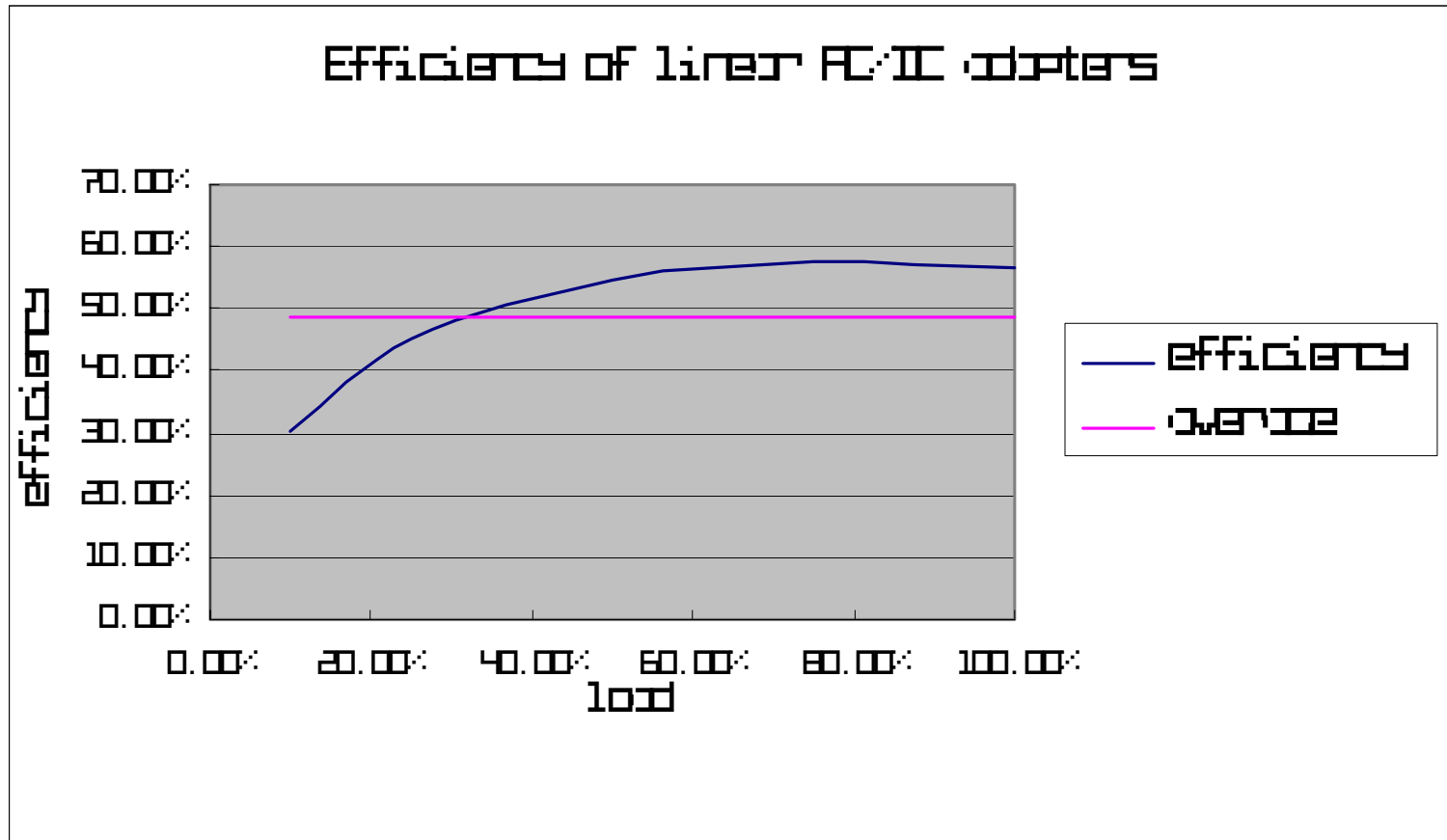
The increasing power supplies market in China



- The development of the Chinese information and household appliances industry.
- A huge number of mobile phones, computers and other electronic devices are widely used in China.
- More and more power supplies manufacturers are based in China.

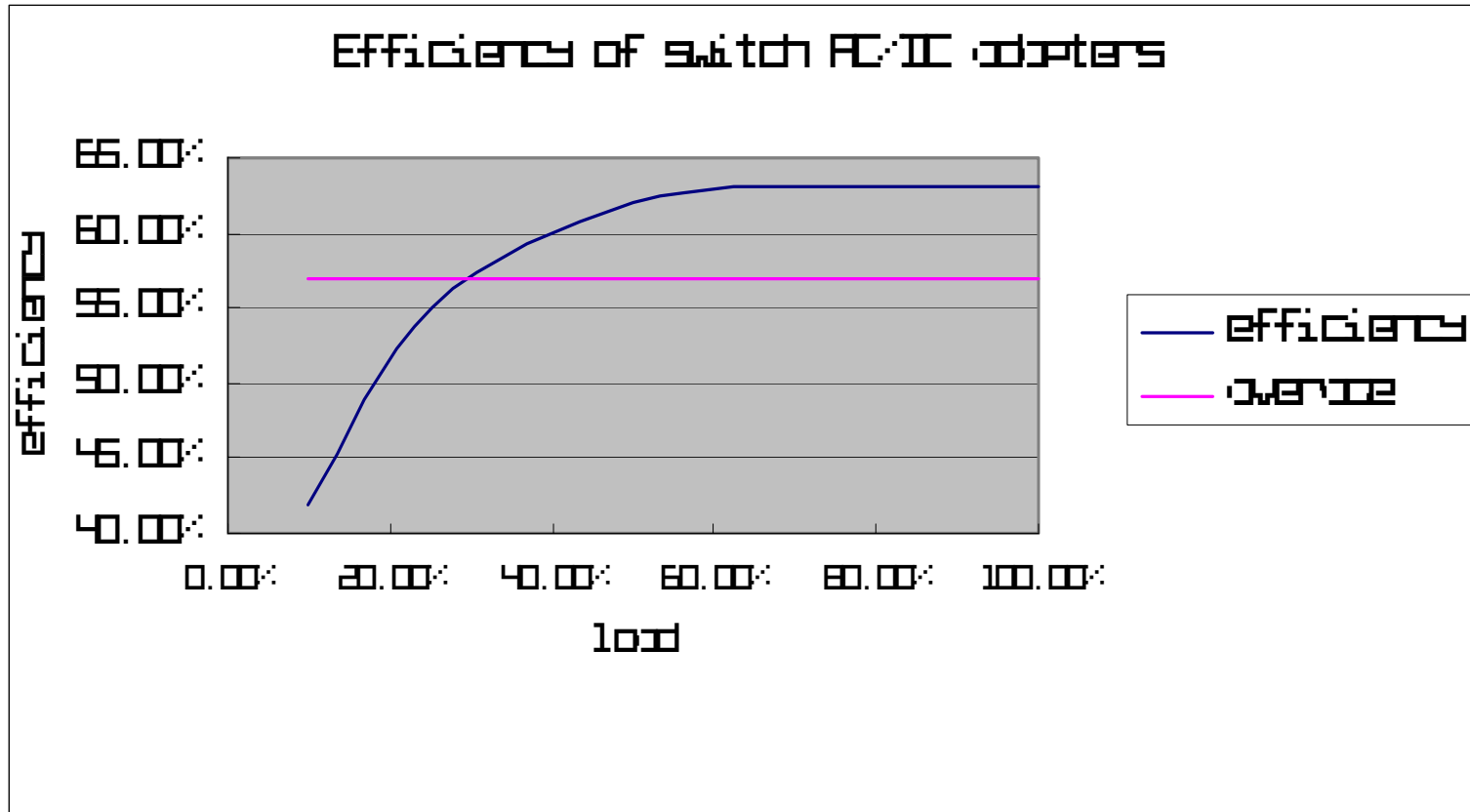


The efficiency of AC/DC power supplies in China



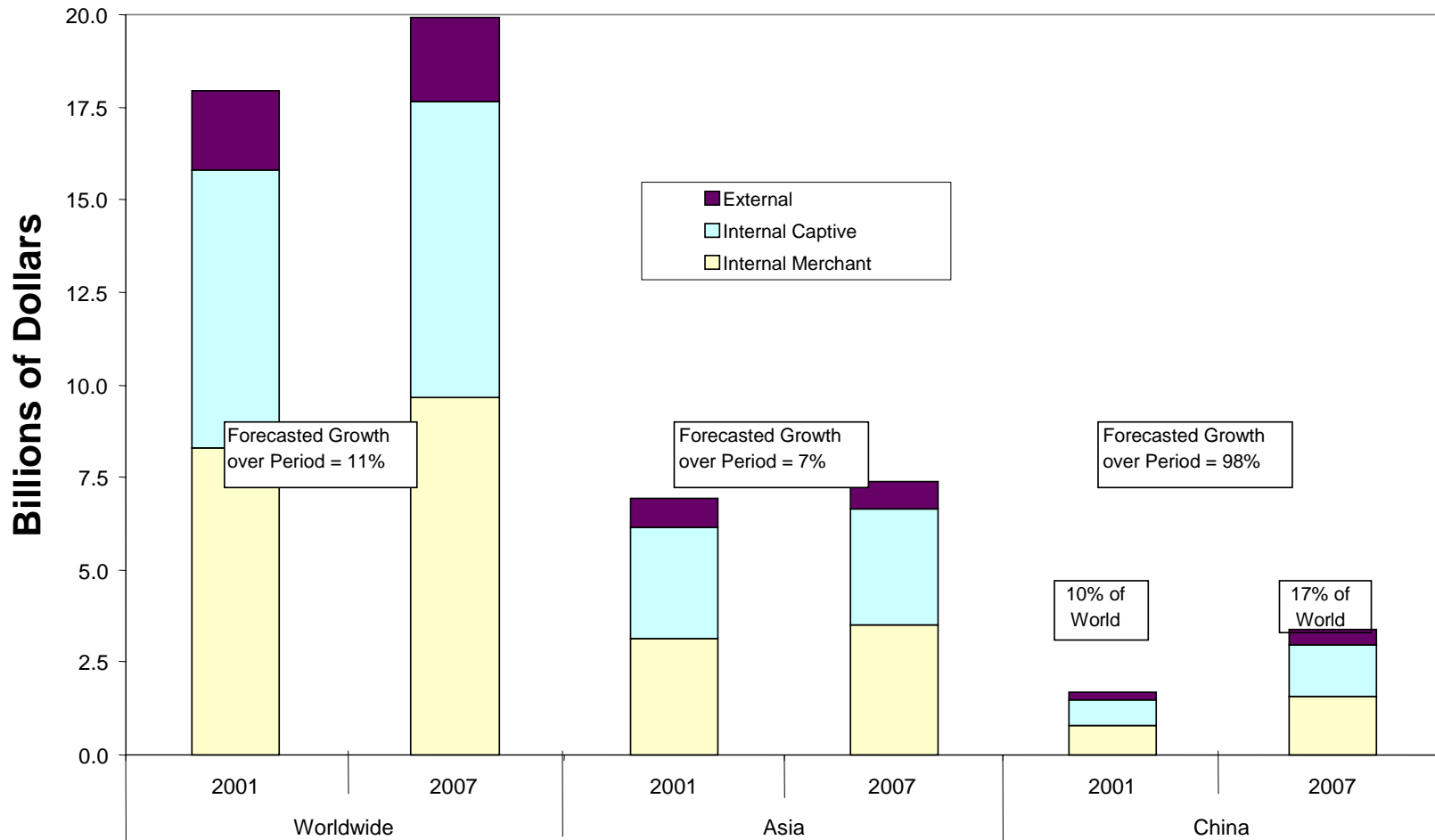


The efficiency of AC/DC power supplies in China





2001 Power Supply Production and 2007 Production Forecasts





Now and near future in China



- Develop the MEPS for power supplies;
- Finished the technical specification and testing procedure for certification and launched the endorsement EE labeling program ;
- Work with Government, association and manufacturers to promote high efficiency power supplies in China.
- Put power supply on the government procurement list.



China CECP and US EPA Collaboration



Since 2003, China CECP and US EPA have been working closely to:

- Develop the harmonize specifications and testing procedure;
- Harmonize timeline;
- Collaboration on the labeling procedures;
- Promote high efficient products both in China and USA.
- Work with other countries to do more international harmonization on power supply.



Part 4

Suggestions





Suggestions (1)



1. In the energy efficiency standards and labels field, international cooperation on harmonization and mutual recognition has become more and more important.
2. China is one of the world's largest producers and consumers of power supplies. Improving energy efficiency of lighting products in China is very important for global environment.
3. In the energy efficiency standards and labels field, China CECP would be eager to strengthen cooperation with other countries, especially with The US.



Suggestions (2)



4. In the past six years, CECP has conducted energy efficiency certification for more than 30 types of products. CECP would like to share our experiences with other countries where appropriate.
5. Power supply contribute much to energy consumption. We do hope more and more The US manufacturers join China CECP and US Energy Star labeling program to reduce energy consumption.



For more information, please contact me:

Li Tienan, China CECPC

Tel: 8610-84634191

Fax: 8610-84633226

litn@cecp.org.cn

[http:// www.cecp.org.cn](http://www.cecp.org.cn)