



Policies & measures to promote efficient motor system in China



CNIS Zhao Yuejin

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Main matter



Overview



Policies & measures to promote efficient motor system



Energy conservation standards and energy conservation policies



Energy conservation standards, policies and measures for the motor system



Two most successful policies in China



1. Overview



❖ New energy efficiency standard of motor
Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors

GB 18613-2006 substitute for GB 18613-2002

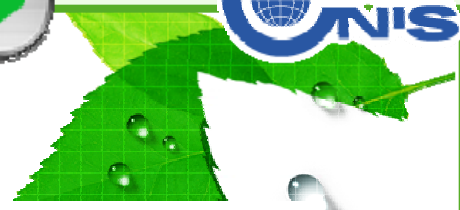
December 12, 2006 issued

July . 1. 2007 enforcement

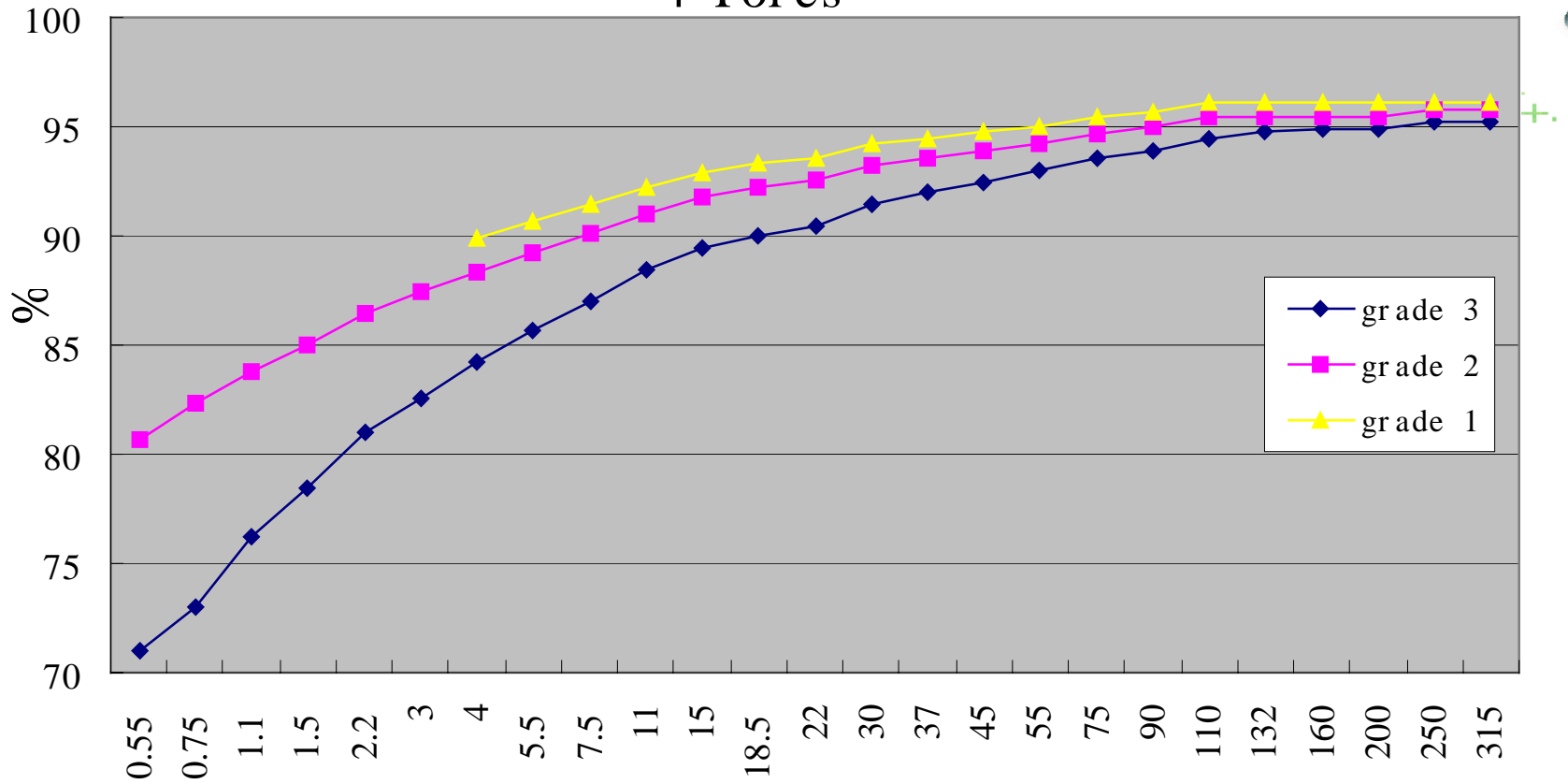
Main matter include: energy efficiency grades, minimum allowable values of energy efficiency, target minimum allowable values of energy efficiency, evaluating values of energy conservation and testing method.



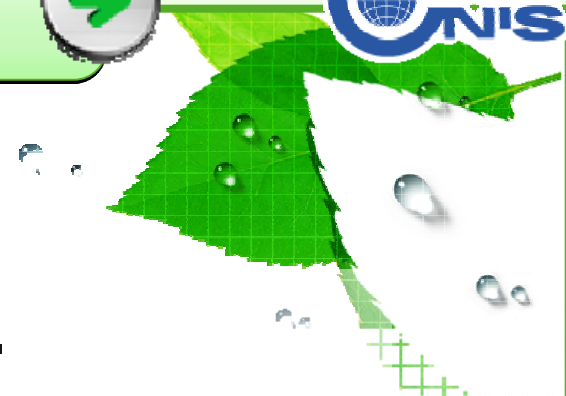
1. Overview



4 Poles



1. Overview



Grade 1 = high efficiency of Australia.

Grade 2 = EFF1 = evaluating values of energy conservation = target minimum allowable values of energy conservation.

Grade 3 = EFF2 = minimum allowable values of energy efficiency.

Minimum allowable values of energy efficiency equal EFF1 at July .

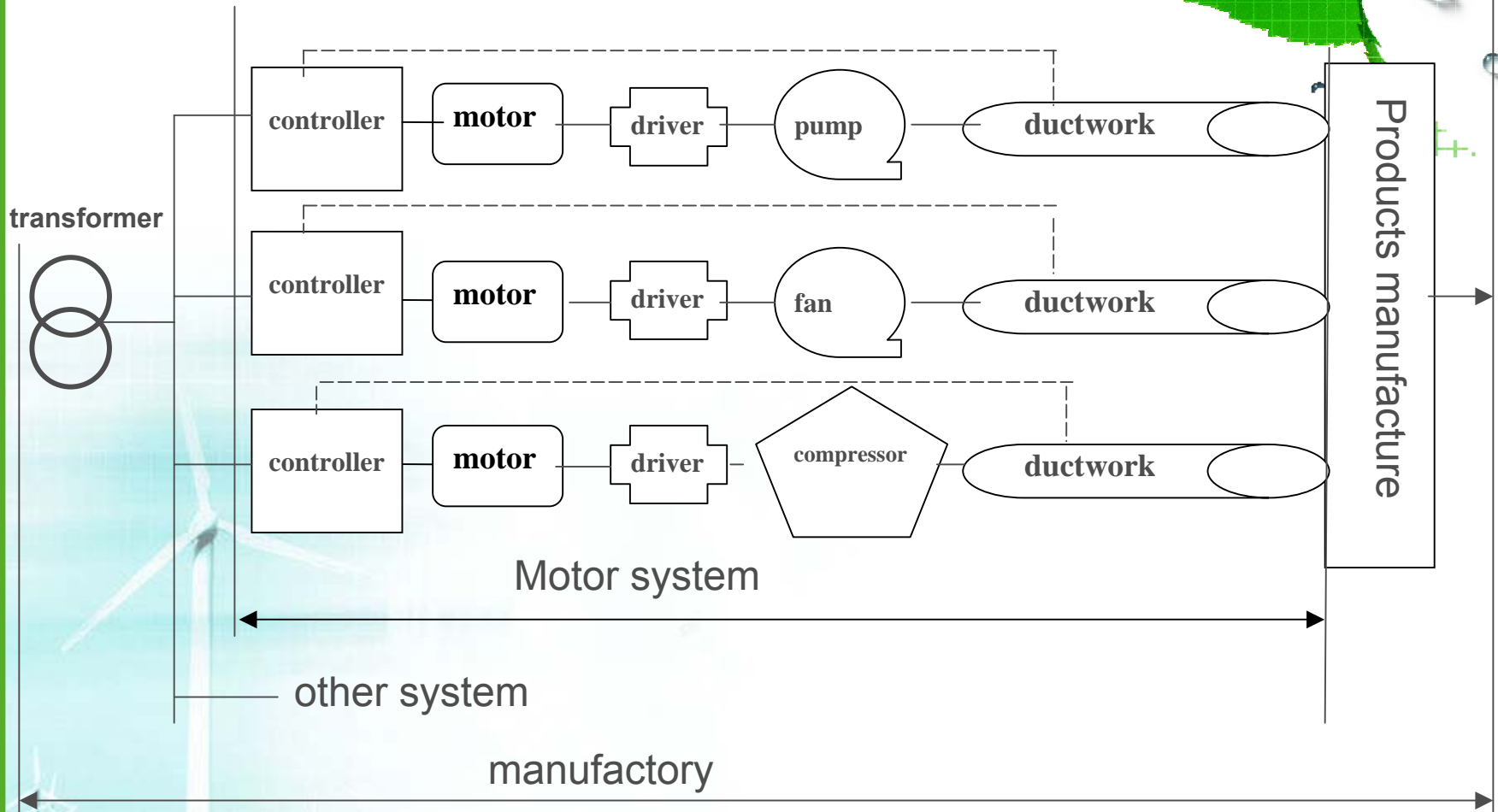
1. 2011



1. Overview



❖ Motor system



2. Policies & measures to promote high-efficient motor system



Types of energy conservation policies & measures for motor system

Energy conservation policies & measures of Chinese government

Incentive policies

Energy conservation managing mechanism

Energy conservation projects & activities



2. Policies & measures to promote high-efficient motor system



Policies

object

Incentive policies

Certification of energy conservation products

Motor, pump, fan, compressor

Government procurement of high efficient products

Motor, pump, fan, compressor

Preferential income tax

Motor, pump, fan, compressor devices of adjusting voltage

Public subsidy for key energy conservation projects

researching



2. Policies & measures to promote high-efficient motor system



object

Policies

Energy conservation managing mechanism

Elimination mechanism for intensive energy-consuming products

Motor, pump, fan, compressor

Energy efficiency labeling system



researching for motor

Assessment of energy conservation objective and responsibilities

manufactory

energy conservation supervision

manufactory



2. Policies & measures to promote high-efficient motor system



measures

object

Energy conservation projects & activities

energy saving project for motor system

Motor system

Service system of energy conservation

manufactory

Publicity to the public

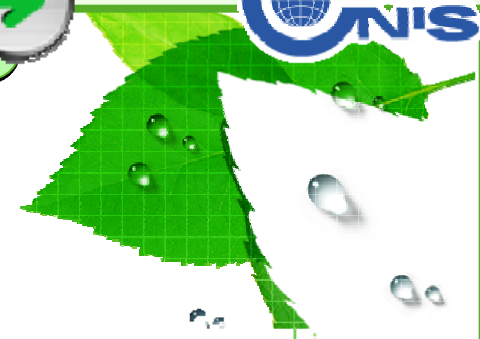
Public(energy saving week)

contract energy management

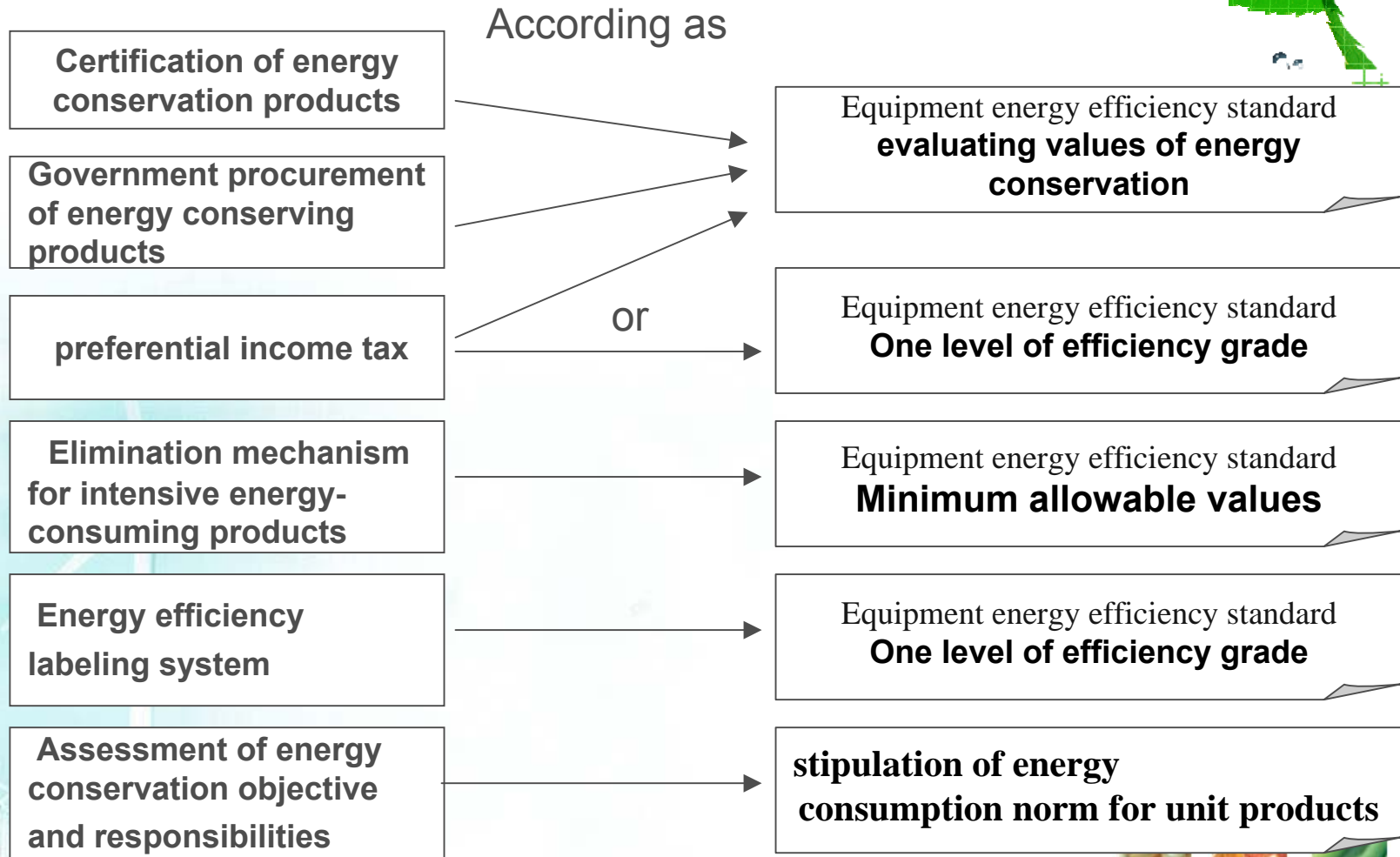
manufactory



3. Energy conservation standards and energy conservation policies



❖ Standards & policies



4. Energy conservation standards, policies and measures for the motor system



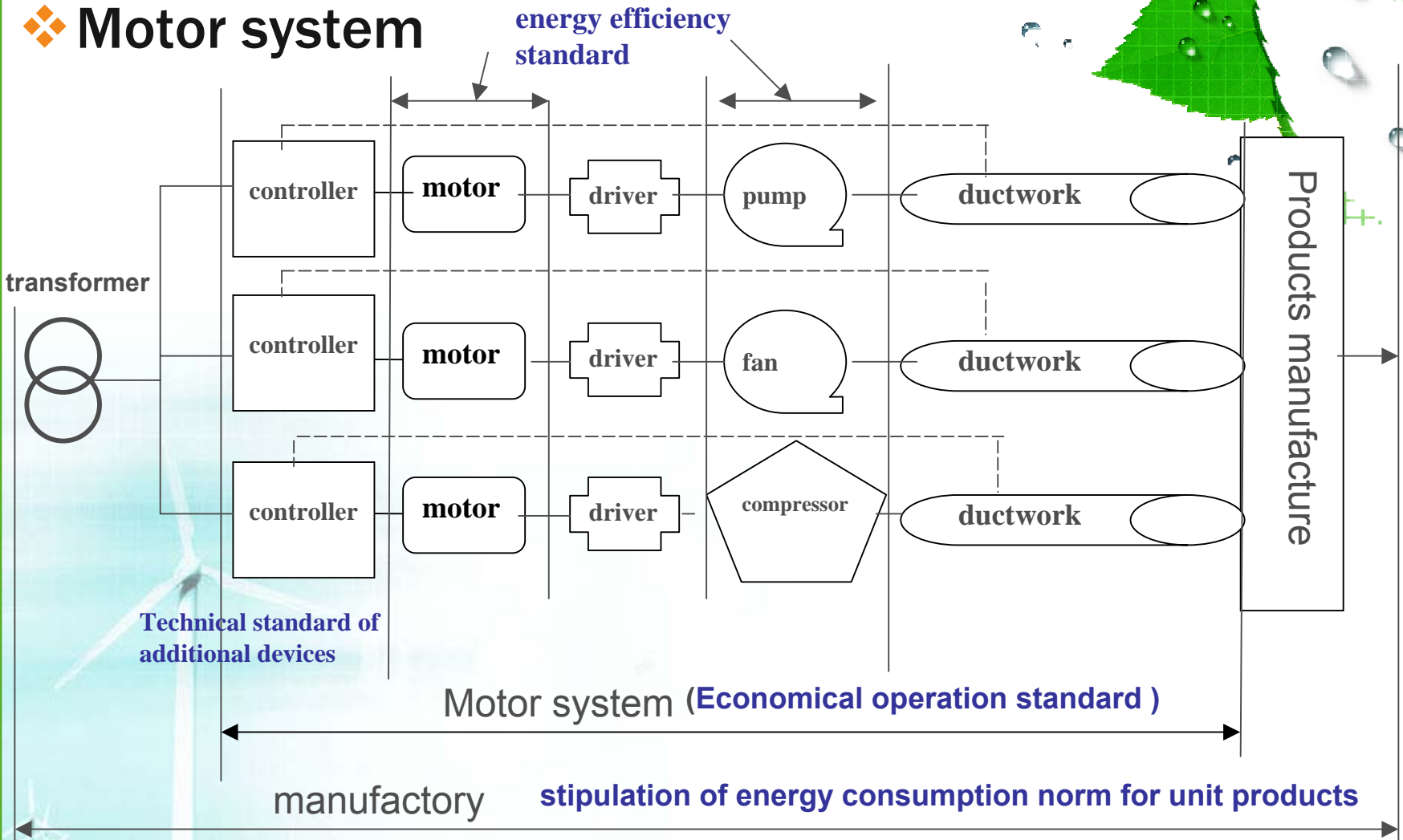
| S/N | Energy conservation contents | Relevant standards | Matching policies and measures |
|-----|--|---|--|
| 1 | Innovation and elimination of low efficiency motors and energy-intensive equipment | Energy efficiency standard | Energy-intensive product elimination system, energy efficiency labeling system |
| 2 | Efficiency improvement of motor, driven device and equipment | Technical standard of additional devices Economical operation standard Energy efficiency standard | Energy-conserving product certification, energy efficiency label, Preferential income tax, government procurement, energy-conserving objective and responsibility assessment |
| 3 | Innovation of driven device and equipment | Technical standard of additional devices standard | Equipment lease, contract energy management |
| 4 | Optimization of operation and control of motor system. | Economical operation standard | Energy-conserving objective and responsibility assessment |



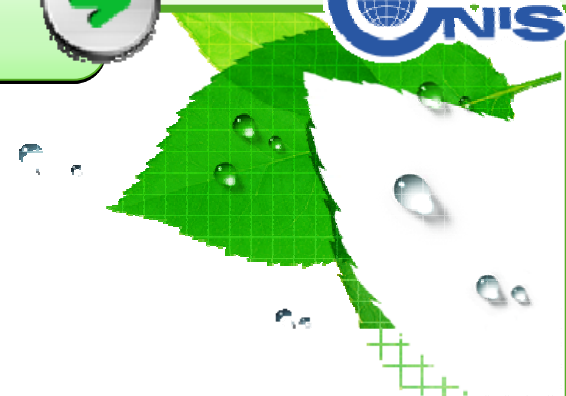
4. Energy conservation standards, policies and measures for the motor system



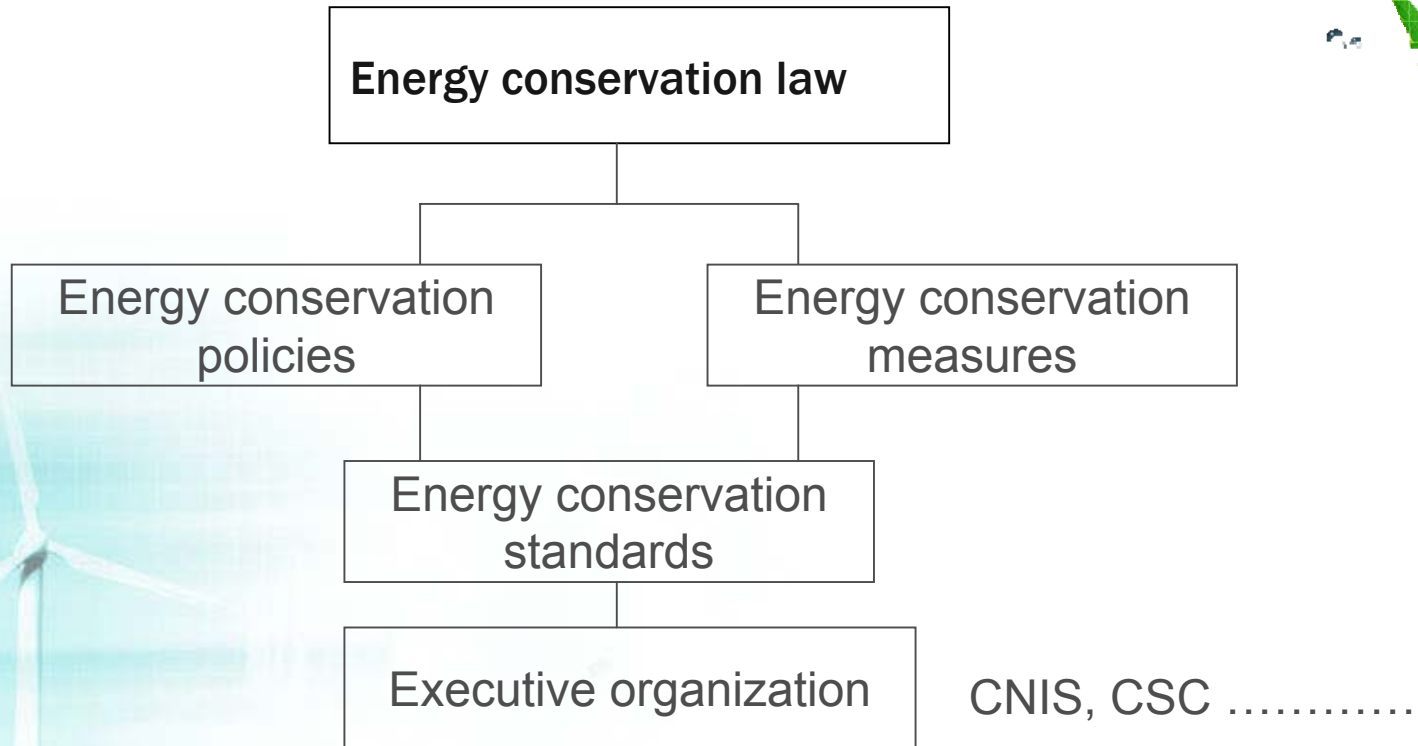
Motor system



4. Energy conservation standards, policies and measures for the motor system



policies and measures system



5. Two most successful policies in China



❖ Certification of energy conservation products

On Jan 1, 1998, China promulgated *Energy Conservation Law*, the certification of energy-conserving products are specified.

Executive organization □ CSC □ CECP □

Result: products of being certified have 4 types (appliances, office equipments, lighting, industry), total 27 kinds products (motor, pump, fan, compressor etc)



5. Two most successful policies in China



❖ Energy efficiency labeling

On Aug. 13, 2004, National Development and Reforming Committee (NDRC) in partnership with AQSIQ promulgated The No. 17 Decree and announced that The Energy Efficiency Label Regulations would be implemented from Mar. 1, 2005. NDRC in partnership with AQSIQ and CNCA promoted No.17 Announcement, and issued the list of first group of products that shall be stuck with energy efficiency labels.

Executive organization □ CNIS

Result: products of being implemented have 4 types (refrigeratory, air-condition, washing machine), 499 manufactures.

Energy efficiency labeling of motor is researching, about that will implement in next year.





Thank You !

Zhao Yuejin Fax 86-10-58811714

Email zhaoyj@cnis.gov.cn