Policies & measures to promote efficient motor system in China

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Main matter

1. Overview
2. Policies & measures to promote efficient motor system
3. Energy conservation standards and energy conservation policies
4. Energy conservation standards, policies and measures for the motor system
5. Two most successful policies in China
Motor system

- Controller
- Motor
- Driver
- Pump
- Ductwork

Motor system

- Controller
- Motor
- Driver
- Fan
- Ductwork

Motor system

- Controller
- Motor
- Driver
- Compressor
- Ductwork

Motor system

- Terminal
- Unit

Motor system
2. Policies & measures to promote 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 efficient motor system

- Incentive policies
  - Certification of energy conservation products
  - Government procurement of high efficient products
  - Preferential income tax
  - Public subsidy for key energy conservation projects

- Equipment of motor system
  - Motor, pump, fan, compressor
  - Motor, pump, fan, compressor
  - Motor, pump, fan, compressor
  - Devices of adjusting voltage
  - Researching
2. Policies & measures to promote efficient motor system

- Government procurement of high efficient products
- Elimination mechanism for intensive energy-consuming products
- Energy efficiency labeling system
- Assessment of energy conservation objective and responsibilities
- Energy conservation supervision
2. Policies & measures to promote efficient motor system

Energy conservation projects & activities

- Energy saving project for motor system
- Service system of energy conservation
- Publicity to the public
- Contract energy management

Object

- Motor system manufacturer
- Public (energy saving week) manufacturer
3. Energy conservation standards and energy conservation policies

- **Standards & policies**

  - Certification of energy conservation products
  - Government procurement of energy conserving products
  - Preferential income tax
  - Elimination mechanism for energy intensive products
  - Energy efficiency labeling system
  - Assessment of energy conservation objective and responsibilities

  According as

  - Equipment energy efficiency standard evaluating values of energy conservation
  - Equipment energy efficiency standard One level of efficiency grade
  - Equipment energy efficiency standard Minimum allowable values
  - Equipment energy efficiency standard One level of efficiency grade
  - Stipulation of energy consumption norm for unit products
4. Energy conservation standards, policies and measures for the motor system

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| 2   | Efficiency improvement of motor, driven device and equipment | Technical standard of additional devices standard  
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

Motor system (Economical operation standard)
4. Energy conservation standards, policies and measures for the motor system

policies and measures system

Energy conservation law

- Energy conservation policies
- Energy conservation standards
- Executive organization

Energy conservation measures

Cnis, Cecp
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.