

The Pilot Study of Demonstration Voluntary Approaches for Industrial Environmental Management in China.

Content Framework

Promotion

Manual



The background of the voluntary approaches and the applicants in the EU

The prospective analysis of the voluntary approaches that is implemented in China

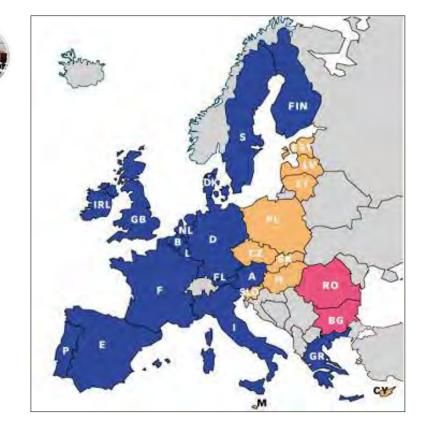
The methods and steps of the implementation of voluntary approaches in China

The pilots and cases of voluntary approaches in China



The background of the voluntary approaches and the applicants in the EU



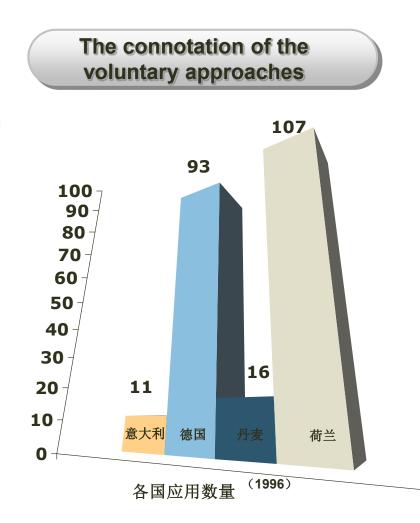


Background

- One of the many environmental policies
- The inevitable demand of the historical development
- Mix with the traditional means
- Solve specific environmental issues
- Significant effect

The background of the voluntary approaches and the applicants in the EU





1.The definition of the voluntary agreement

- Commitments or agreements between enterprises and government departments
- Objectives, tasks and schedule

2.Characteristics of the voluntary approaches

- Flexibility, applicability, low cost, taking the energy-saving and environmental protection into account, improve the relationship between business and government

3.Type of the voluntary approaches

- Consultative voluntary approaches, unilateral commitment approaches, etc.

The background of the voluntary approaches and the applicants in the EU

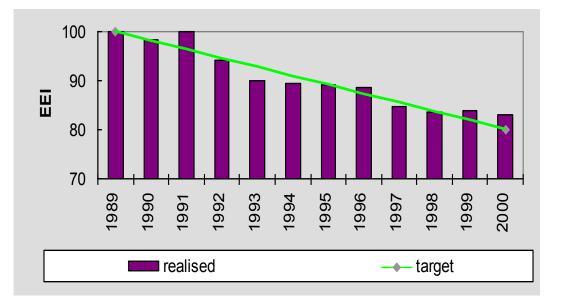


Target sectors (enterprises)

Dutch steel industry, including two Iron and Steel Company: One is Hoogovens Staal Company, The other is Nedstaal Company.

The implementation period and the target of the approaches

The late 1980s, the Dutch steel industry signed a voluntary approaches of 10 years with the management, formulating the long-term approaches target of 20% energy saving, with a base year 1989.



The results of the approaches implementation

The steel industry's energy consumption in 1989 (the base year) is 61.2 PJ while in 2000 the energy consumption was 58.1 PJ. The effectiveness of long-term voluntary approaches is to improve the energy efficiency by 17% (the basic target), with a total energy saving of 79.8 PJ; In pollutants emission reduction, compared to 1989 the base year, in 2000 CO2 emissions is reduced by 854,000 tons. The total reduction of the CO2 emissions during the implementation period is 5.8 million tons .



The prospective analysis of the voluntary approaches that is implemented in China



Various types of old In recent years, China's economic development has led to a rapidly problems of environmental growth of resource and energy pollution and ecological needs, but the efficiency of use of destruction is not resolved. resource and energy is low. while facing new problems. Environmental | The rapid growth pollution and of resources and ecological destruction energy Strategic demands | Improvement needs for sustainable of environmental development | management Need a more flexible Span demand of means to encourage environmental Kuznets outstanding inverted U-shaped curve

The necessity analysis of the implementation of the voluntary approaches means of environmental management in China



The prospective analysis of the voluntary approaches that is implemented in China



Advantages

 The practice of the scientific concept of development Changes in economic system Transformation of government functions Raising of public and corporate awareness •Encouraged to learn the advanced experience of foreign countries •Feasibility study and pilot viable

Disadvantages

The environmental quality of the enterprises need to be improved
Inadequate supervision mechanism
Inadequate incentives
Implementation of the approaches may face difficulties
The difficulties facing by new things





| VA | Benchmarking | EPS | EEI | Others |
|--------------------------|-------------------------|---|--|--|
| Conditional voluntary | whole process | $E = Q \times A$ | $EEI = \frac{E_n}{E_0 \times P_n}$ | Including the related concepts and tools of the energy-saving potential scanning working group, energy- saving rate, material and energy balance accounting. |
| Equal consultation | Analysis and comparison | The quality of programs | Intuitive expression | |
| Target | Identify gaps | Program acceptance | Comprehensi ve energy efficiency | |
| Measure | Prepare | The final results of the programs | Used to check and summary | |
| ★ Key concepts and tools | | | | |





Government regulatory agencies

- Environmental Protection Agency
- Development and Reform Commission
- Economic Commission
- Other party.....

Business and industry associations

- Large industrial enterprises
- Small industrial enterprises
- Commercial enterprises
- Industry Association

Relevant third parties

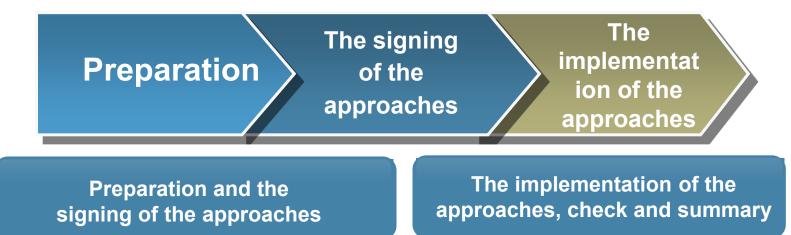
- Intermediary
- Public
- NGO
- Media
- Steering Group of Experts

" The Related parties of voluntary approaches"





"The steps of the implementation of voluntary approaches "



[The Focus of the Promotion Manual]

Promoting voluntary approaches means of environmental management in China, in the promotion phase it should be focused on the preparation and signing of the approaches stage. A good start is half the success.







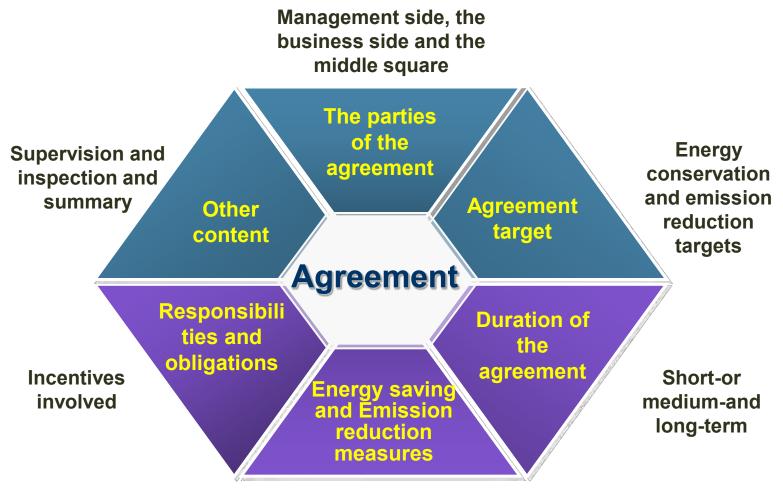




an ascencent Discuss the of t LIST OF CHERES Signed an agreement List of measures Listed the list of energy Agreement of all parties saving through survey, the to consult on the details signed site visits, benchmarking of the agreement, contrast, process analysis determine the measures Signed an and other methods to the of the management side, DUC agreement enterprise. the goal of the agreement, period, the implementation-side measures and other related content. Energy saving potential scan potential scan

Establish the Working Group of saving potential scan, do the EPS work to all lists, to find an acceptable degree of the highest energy saving measures.





Should be explicit





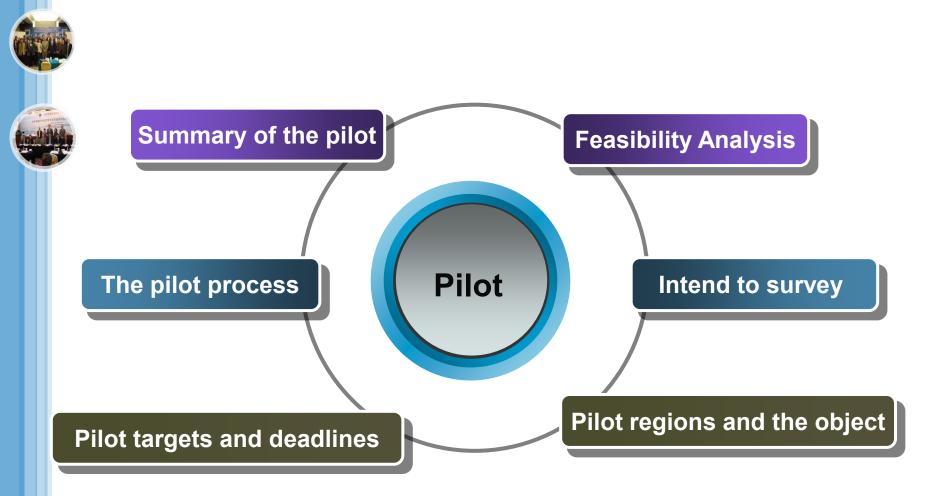
Implementation of the Agreement implement energy saving measures on the basis of the agreement

Enterprise shall periodically summarize, regularly supervise and inspect work, calculate EEI

An annual summary of the agreement, submit the final report, analysis of agreement effect after the end of the agreement

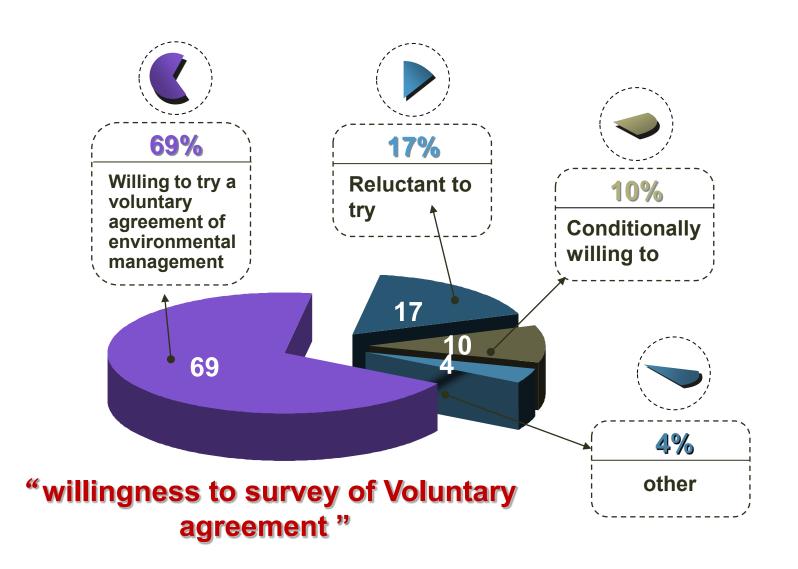




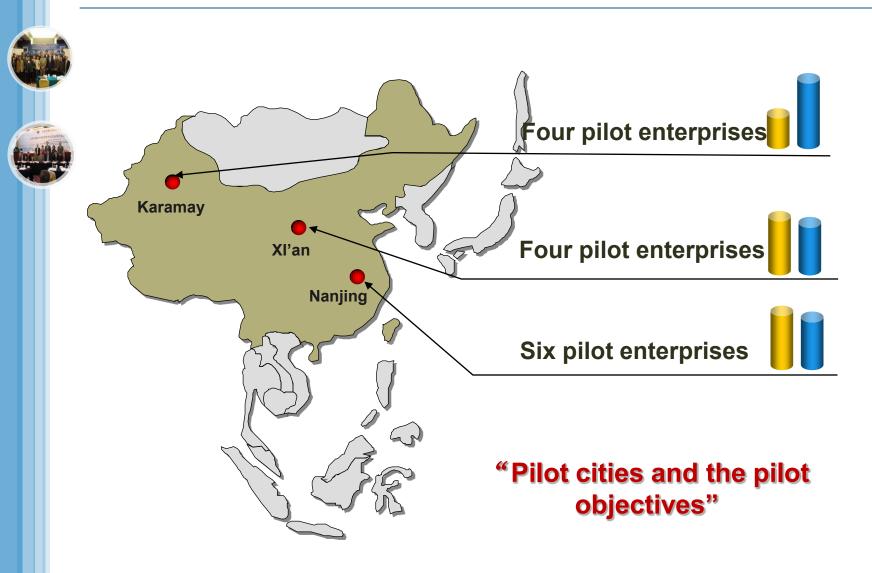






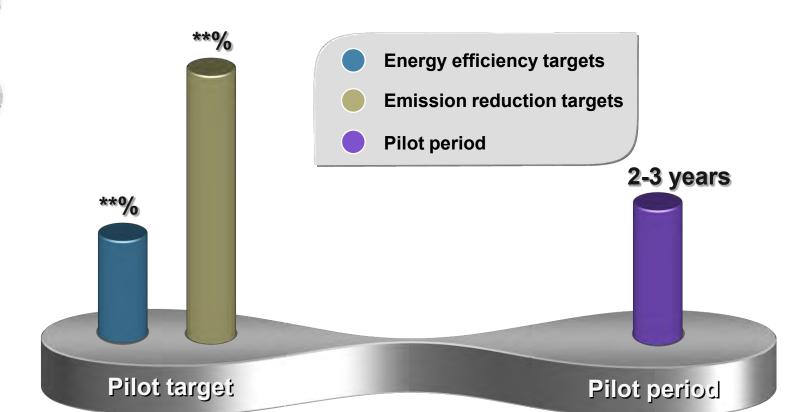








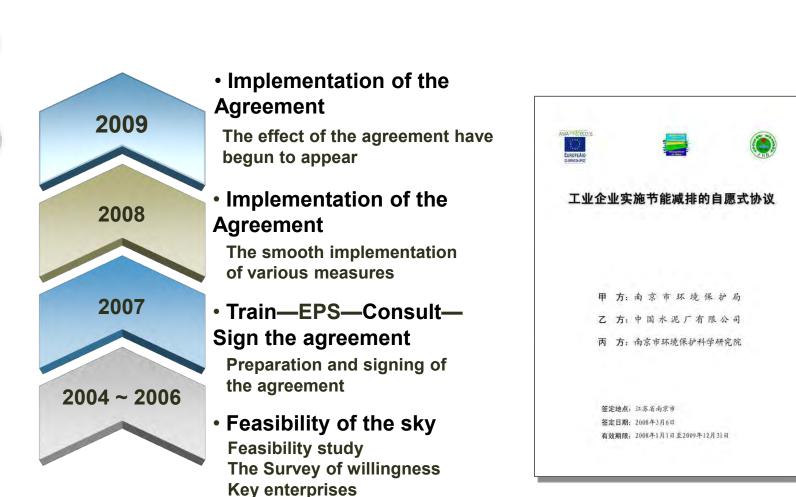


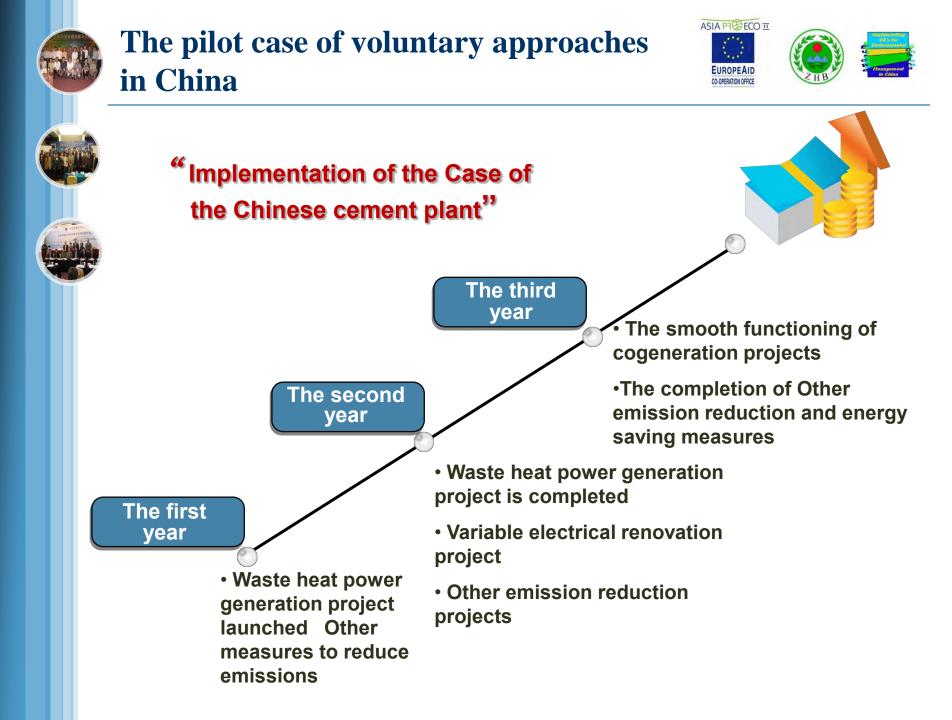


Pilot target and Pilot period





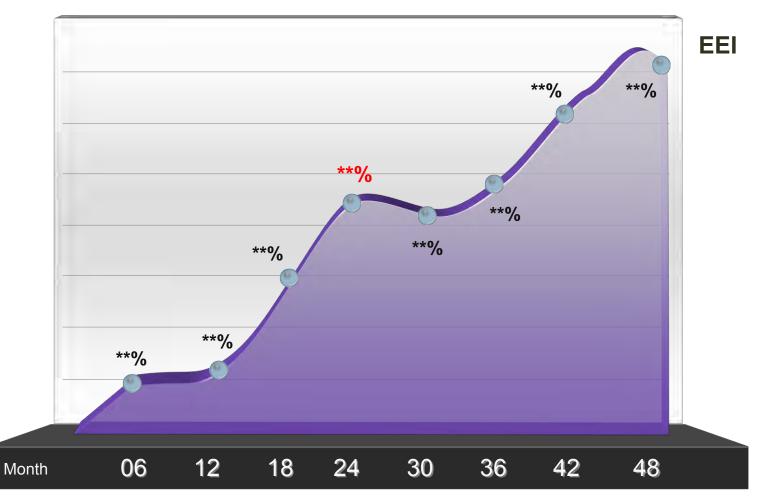








Possible changes of EEI index in the implementation period of the voluntary agreement of the pilot enterprises





Thank You!





