林江博士
能源基金会高级副主席、中国可持续能源项目总裁
2011年11月高级政策顾问委员会会议

Lin Jiang, Ph.D.
Senior Vice President, Energy Foundation
Chairman, China Sustainable Energy Program (CSEP)
Senior Policy Advisory Council Meeting, November 2011

新任领导
New Leadership

袁伟

中国可持续能源项目执行主任
能源基金会北京办事处首席代表

YUAN Wei
CSEP Managing Director and Chief Representative
Energy Foundation

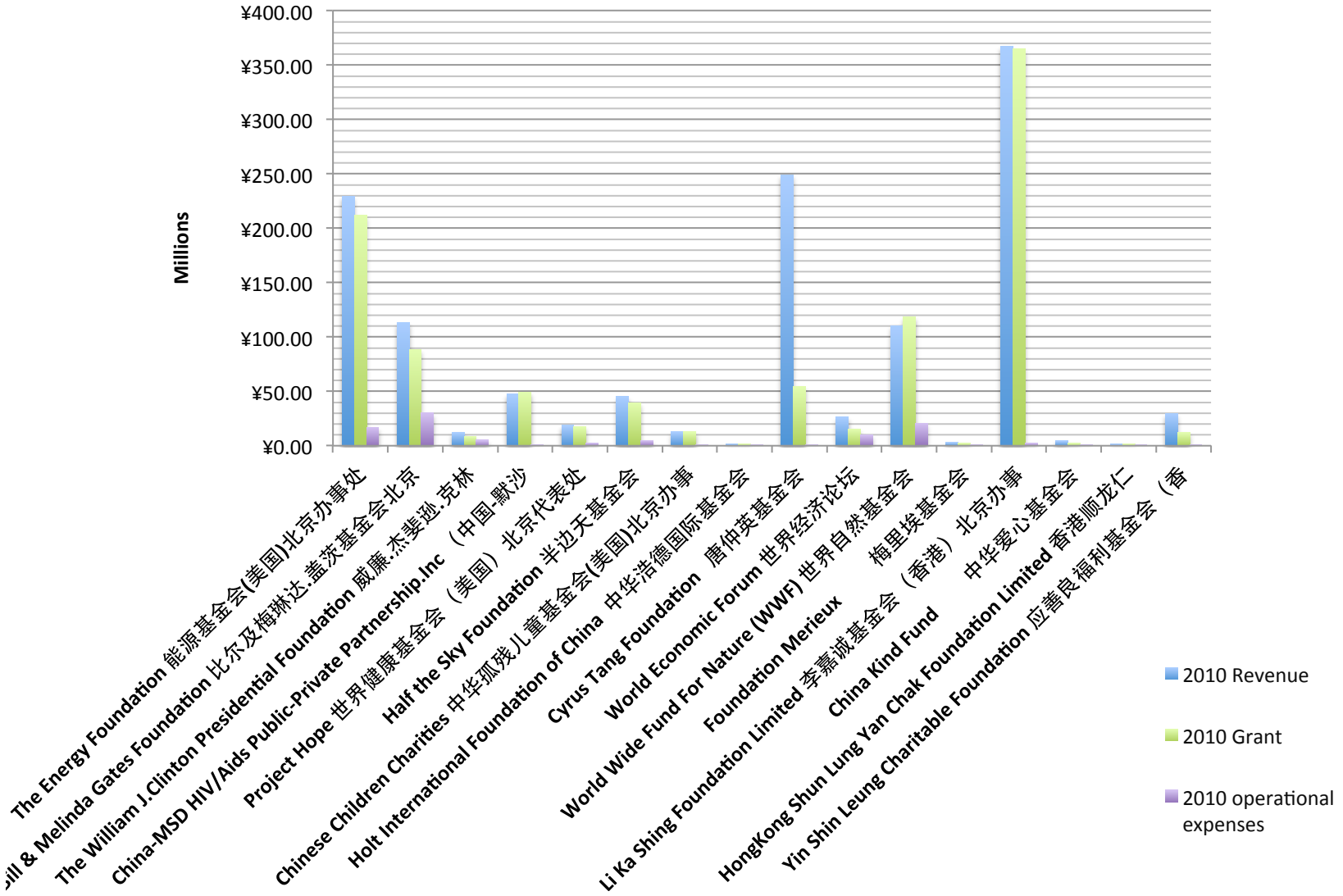
王江燕

宇恒可持续交通研究中心执行主任

WANG Jiangyan
Executive Director
China Sustainable Transportation Center

2010境外公益机构收益和捐赠

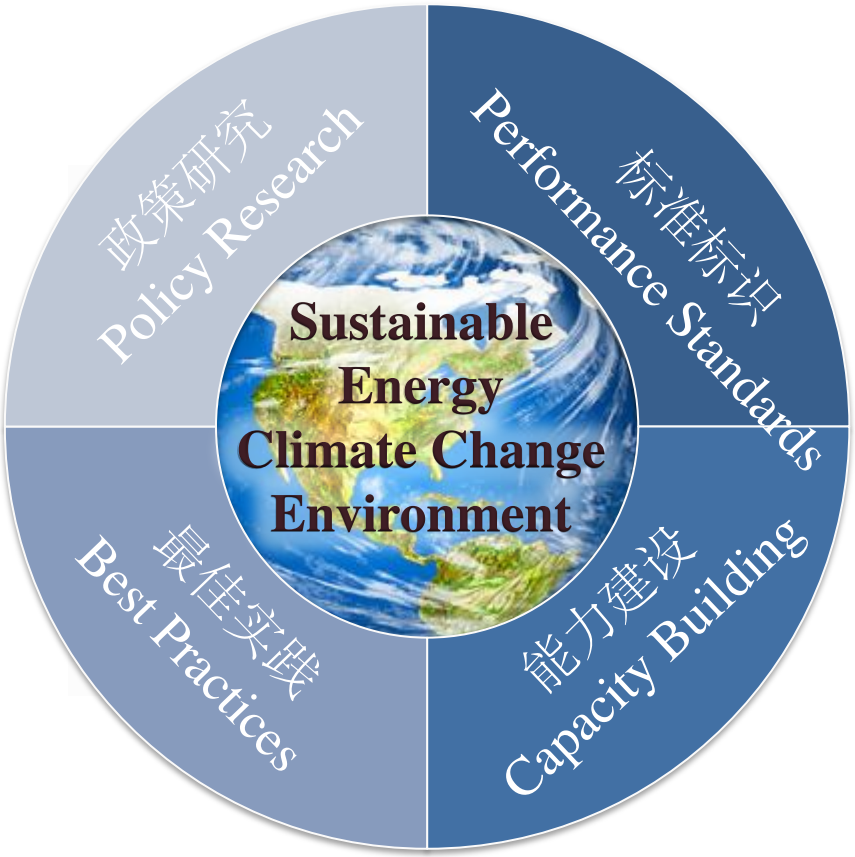
2010 China Foreign NGOs Revenue and Expenses Overview



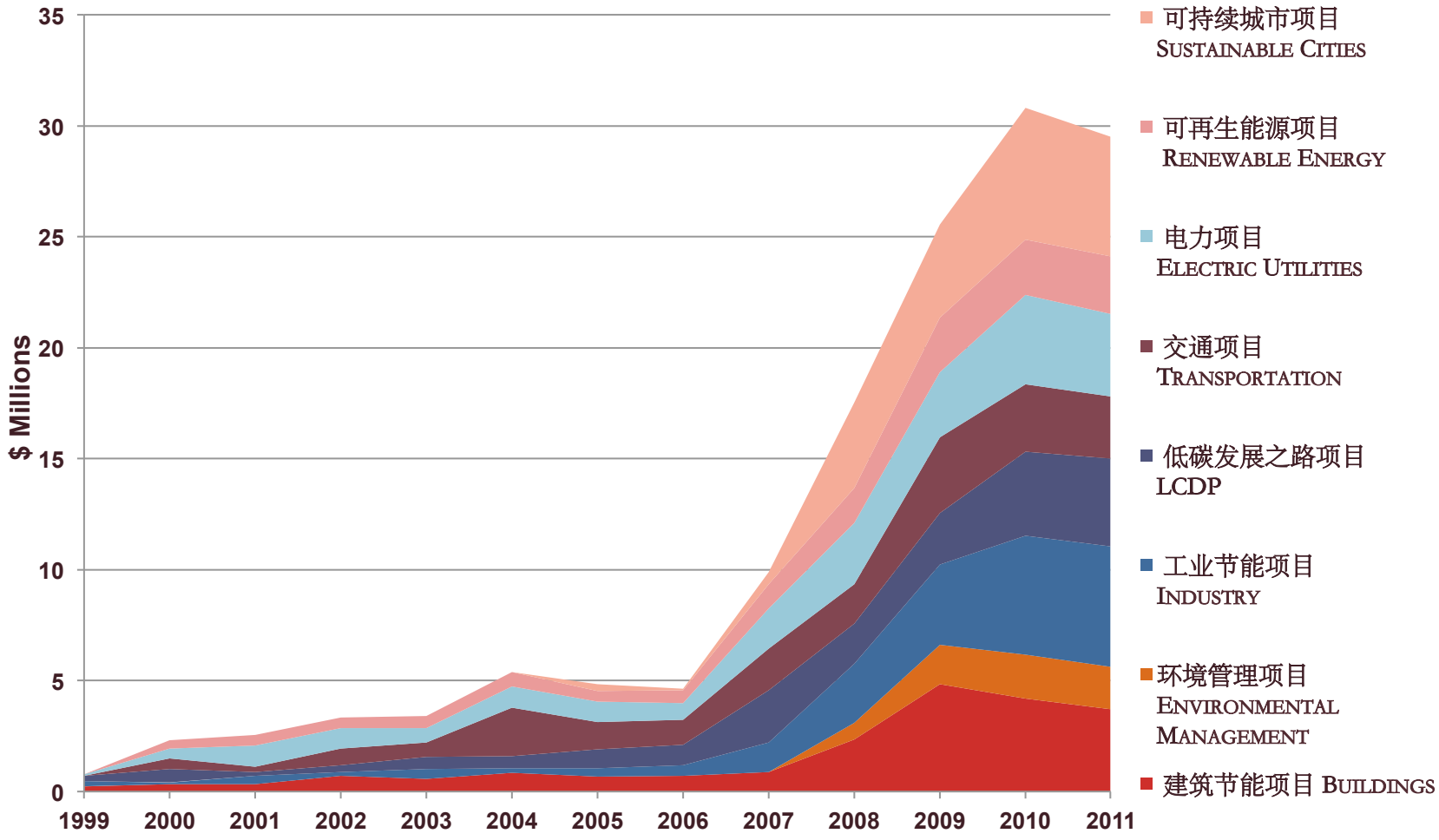
中国可持续能源项目的理念
CSEP Philosophy

- 科技进步为应对能源，环境，气候变化带来解决方案
- 政策法规有助于为技术的商品化创造市场
- 机构成长和能力建设确保可持续发展
- 公益机构可以帮助推动政策法规制定,机构成长和能力建设

- Technology is the answer
- Policy creates markets
- Institutional growth and capacity building
- Philanthropy's role

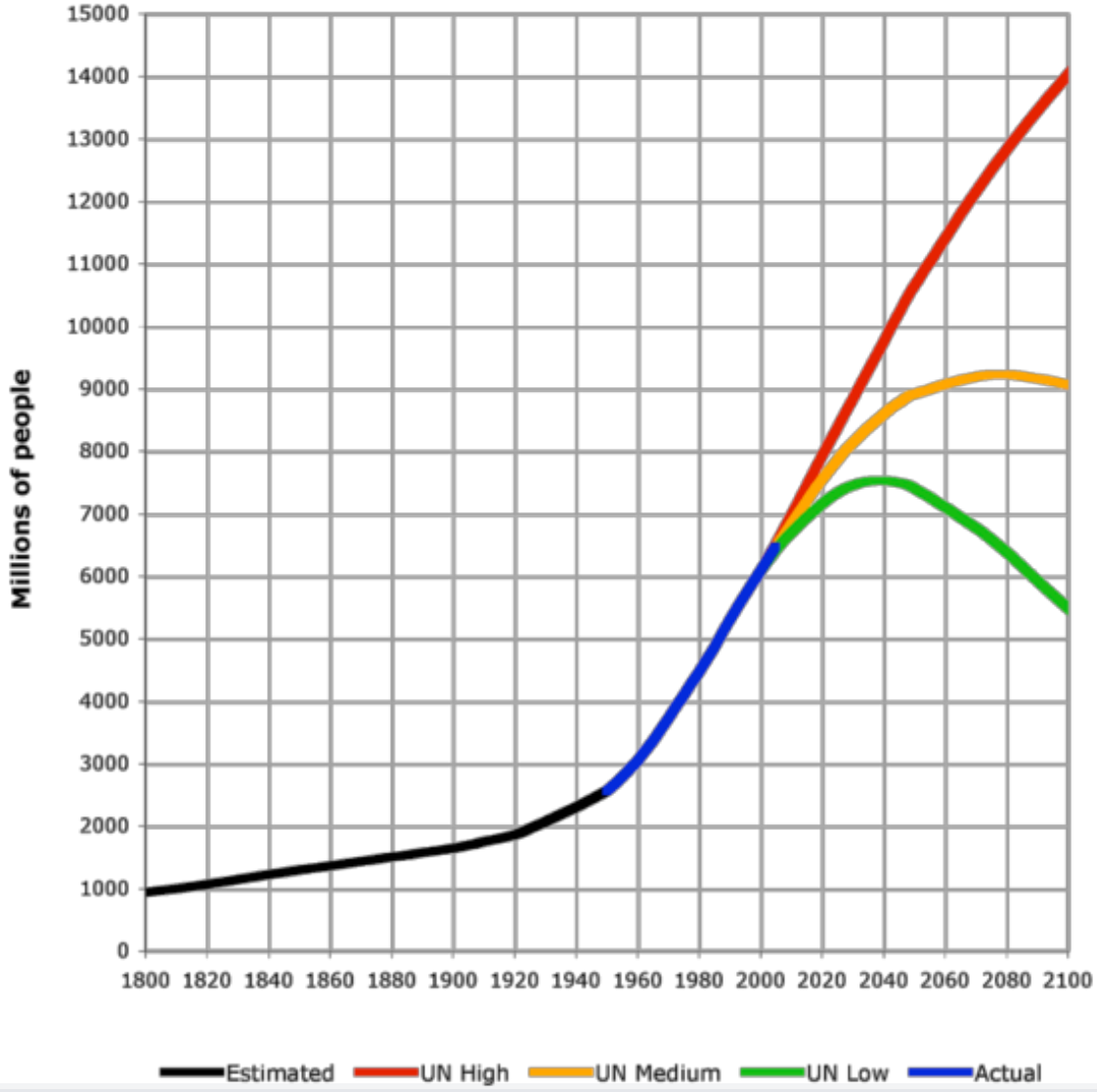


中国可持续能源项目资助概况: 1999-2011
CSEP Grants Overview: 1999-2011



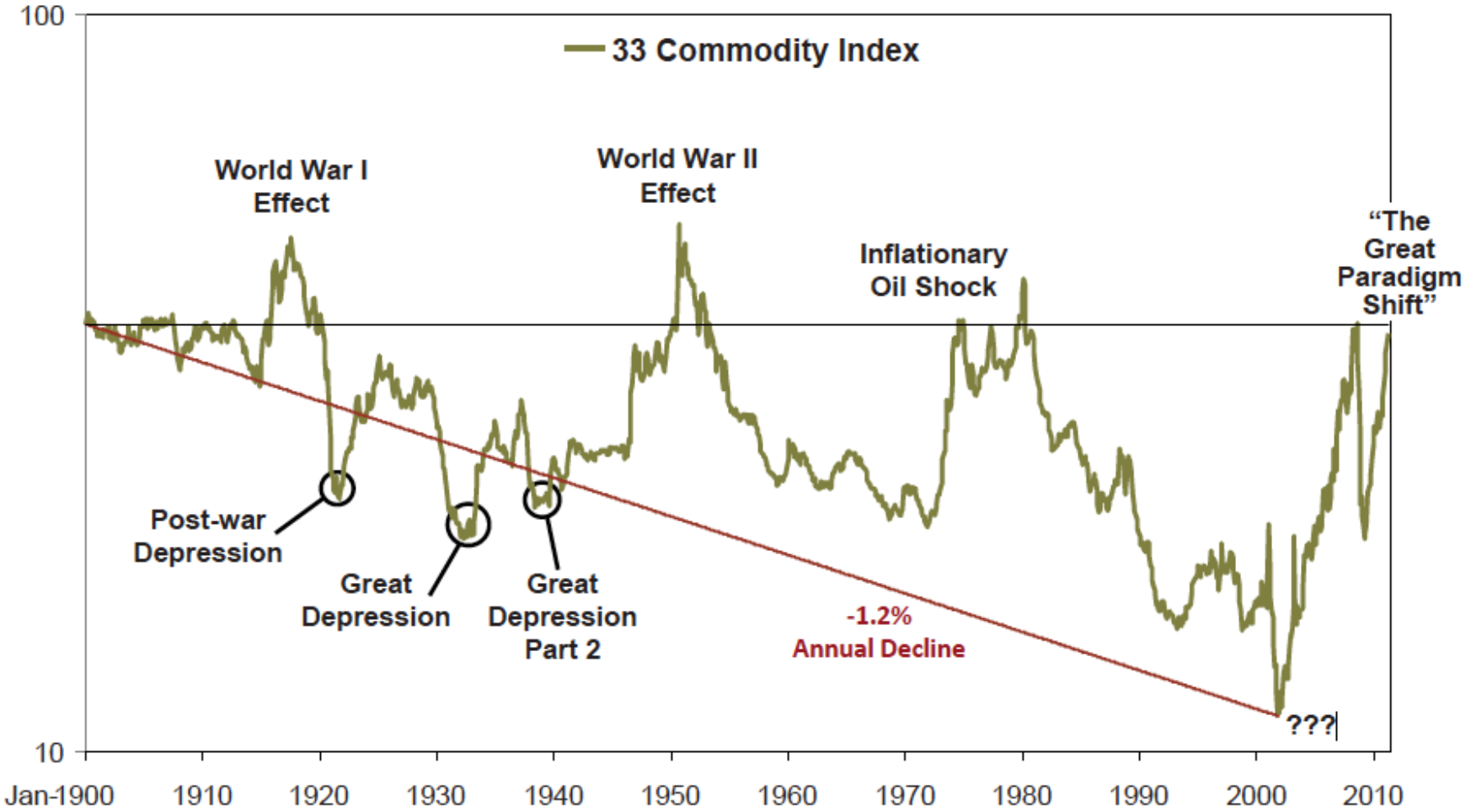
中国可持续能源项目
China Sustainable Energy Program

世界人口
Global Population



Source: UN Data

资源稀缺
Resource Scarcity



Source: Grantham Quarterly Newsletter

CSEP支持的项目的成果举例

Highlights of CSEP-Supported Projects

可持续城市项目
Sustainable Cities Program

- 低碳新城规划设计：昆明呈贡,重庆悦来,唐山曹妃甸
- 交科院’十二五’公交规划编制及配套政策
- 住建部步行自行车试点与技术导则编制：江苏,昆明,济南,杭州,重庆
- 中国城科会低碳城市规划设计导则及管理办法
- 可持续城市规划设计培训和中国无车日活动

- Sustainable city planning: Kunming, Chongqing, Tangshan
- MTP for development of the 12th FYP and policies for public transit
- NMT pilots and technical guides: Jiangsu, Kunming, Jinan, Hangzhou, Chongqing
- Low carbon eco-city development and management
- Training on sustainable city planning and design and car-free days events

可持续城市规划的八大原则
Eight Principles of Sustainable Urban Planning

1. 建设步行优先的邻里社区
2. 优先发展自行车网络
3. 创建密集的街道网络
4. 支持高质量的公共交通服务
5. 建设多功能混合的邻里社区
6. 将土地开发强度和公共交通承载能力相匹配
7. 确保紧凑型发展，提倡短程通勤
8. 通过规范停车和道路使用，增加出行便利性

1. Develop neighborhoods that promote walking
2. Prioritize bicycle networks
3. Crease dense networks of streets and paths
4. Support high-quality transit
5. Zone for mixed-use neighborhoods
6. Match density to transit capacity
7. Create compact regions with short commutes
8. Increase mobility by regulating parking and road use

城市试点项目取得突破性进展
Breakthrough in Pilot Cities

- 昆明市呈贡低碳生态城控制性详细规划完成，进入控规入库程序
- 重庆市悦来生态城概念性规划完成
- 受到国家层面高度重视，正在申请住建部低碳生态示范项目

- Regulatory Plan of Kunming Chenggong Low Carbon city approved by municipal government
- Conceptual planning of Chongqing Yuelai eco-city completed
- In the process of obtaining the status of MOHURD approved low carbon eco-city pilots

Chongqing Yuelai

呈贡效果图
Conceptualization:
Chenggong

悦来效果图
Conceptualization: Yuelai

环境管理项目
Environmental Management Program

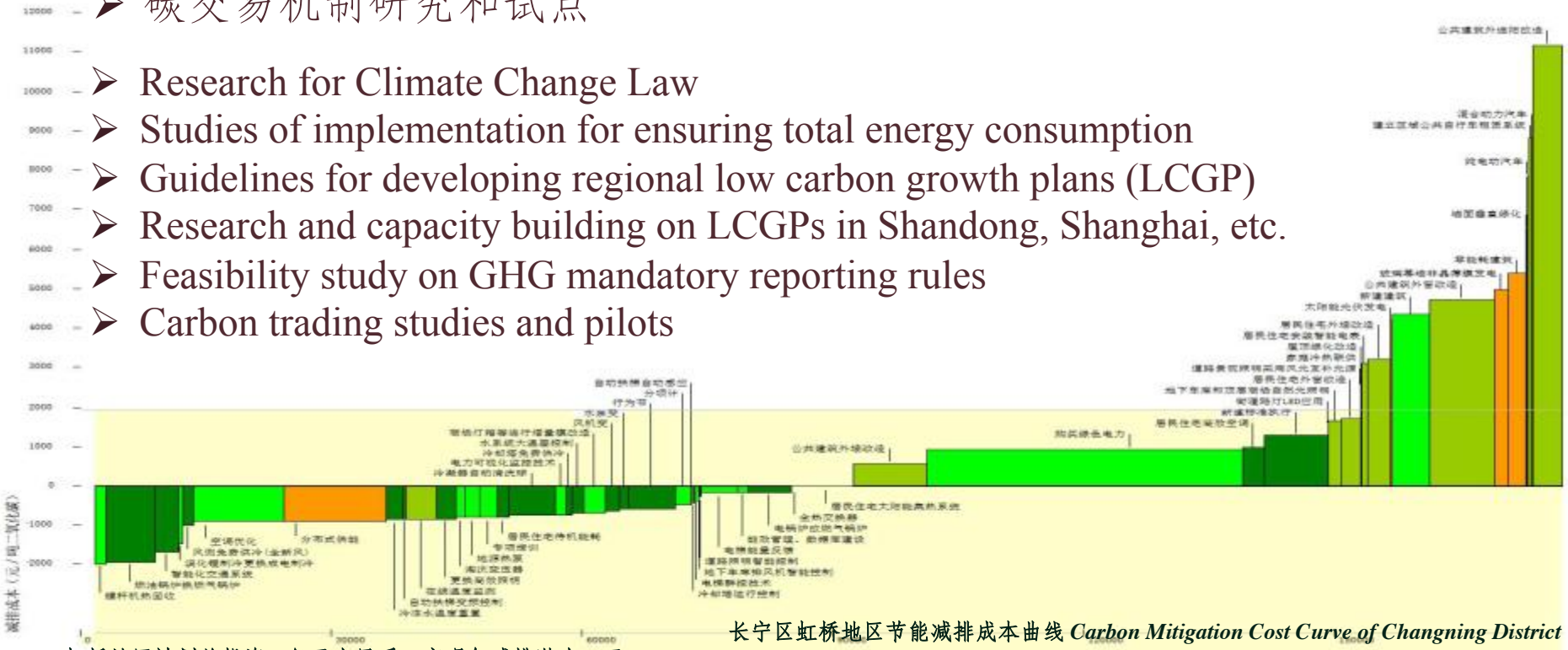
- 区域大气污染联防联控规划编制指南及评估考核体系
- 燃煤电厂多污染物控制研究
- 大气污染联防联控区域煤炭消费总量控制研究
- 环保部及主要区域环保人员培训
- 中美区域空气质量管理论坛
- 北京、上海、重庆、济南、深圳等空气质量管理试点

- Planning guide and evaluation methods for regional air pollution control
- Multi-pollutants control for coal power plants
- Coal consumption cap for the region under regional air pollution control
- Training for MEP and regional environmental protection agencies
- China-US Air Quality Management Forum
- Air Quality Management Pilots: Beijing, Shanghai, Chongqing, Jinan, Shenzhen

低碳之路项目
Low Carbon Development Paths Program

- 应对气候变化立法和绿色发展综合政策研究
- 合理控制能源消费总量的保障措施体系研究
- 发布《地方低碳发展方案编制指南》并组织面向13个低碳试点地区的培训
- 低碳发展方案编制的研究和能力建设：山东省、上海长宁区和重庆市
- 温室气体核算和汇报制度的可行性研究
- 碳交易机制研究和试点

- Research for Climate Change Law
- Studies of implementation for ensuring total energy consumption
- Guidelines for developing regional low carbon growth plans (LCGP)
- Research and capacity building on LCGPs in Shandong, Shanghai, etc.
- Feasibility study on GHG mandatory reporting rules
- Carbon trading studies and pilots



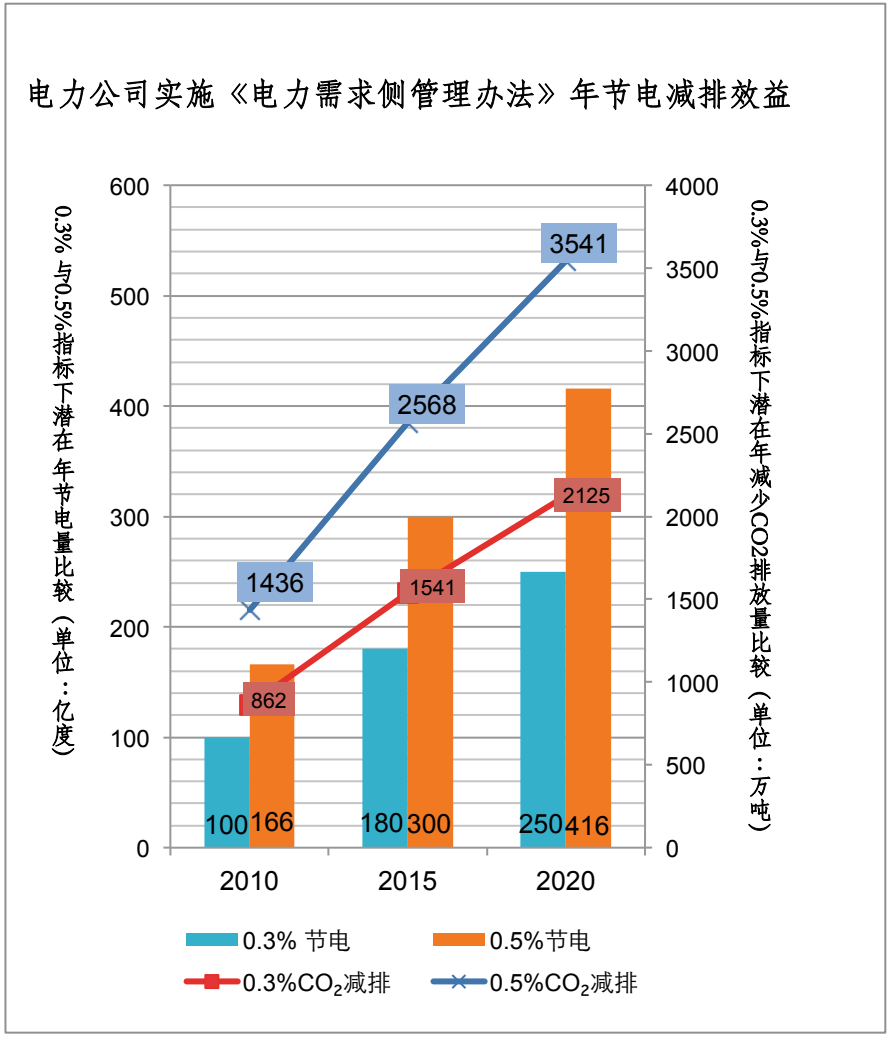
长宁区虹桥地区节能减排成本曲线 *Carbon Mitigation Cost Curve of Changning District*

虹桥地区计划总投资15亿元人民币，实现年减排潜力17万tCO2 *Potentially reducing CO2 by 0.17Mt per year ; the district government plans to invest RMB1.5B*

《电力需求侧管理办法》制定和实施进展
DSM Rule Promulgation and Implementation

- 电力项目支持了《电力需求侧管理办法》的研究和发布
- 电力项目支持《电力需求侧管理办法》的实施能力建设
  - DSM培训方案设计及研究
  - DSM城市综合试点项目设计及研究
  - 电网企业实施DSM目标责任考核方案

- Supported studies and development of DSM Rules
- Continue supporting capacity building and implementation of the Rules
  - DSM Training course development
  - DSM Pilots design and implementation
  - Grid companies DSM performance valuation system



光伏固定上网电价公布
Solar PV Feed-in Tariff Issued

CSEP 提供了如下支持

- 2008年，开拓中国国内光伏市场的激励政策研究
- 2010年，《中国光伏发电平价上网路线图》

CSEP 将继续支持

- 根据资源条件实行分类电价的相关研究
- 分布式发电和微电网的激励政策

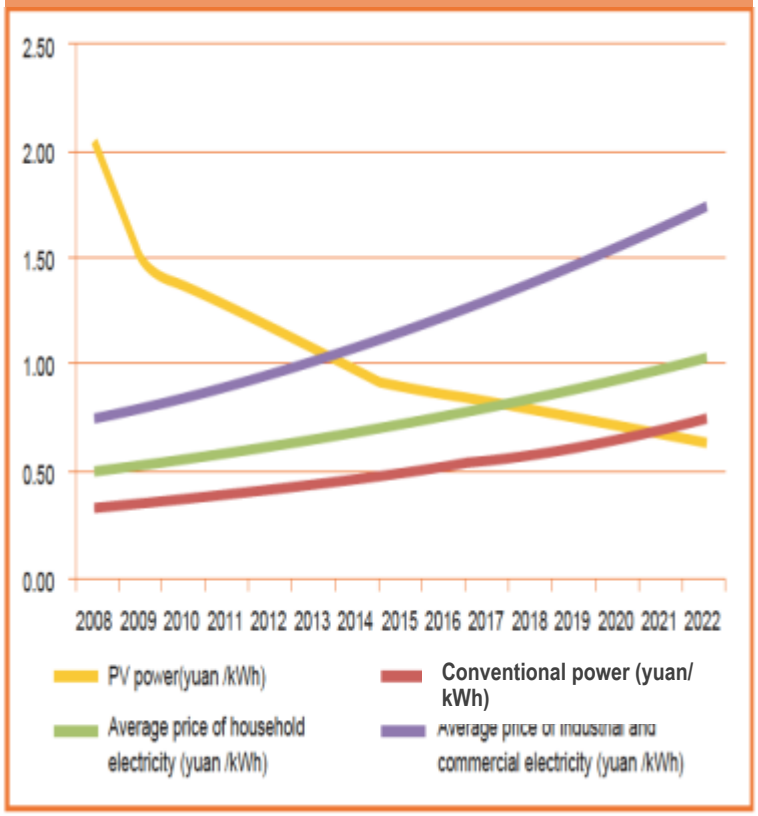
CSEP supported：

- Study of policy measures to create and accelerate the development of domestic solar PV market, in 2008
- China Roadmap of PV Development - A Pathway to Grid Parity, in 2010

CSEP will continue to support：

- Study of classified feed-in tariffs based on resource conditions
- Incentive policies for distributed generation and micro grid

光伏发电达到平价上网的路线图
PV Tariff Development to Grid Parity



家电能效—标准与标识
Appliance Standards and Labels

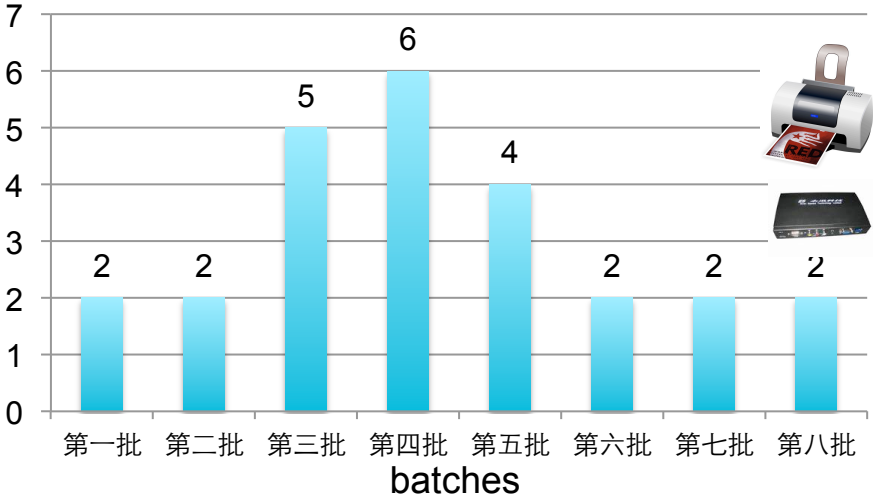
2011年重点支持:

- 2011年发布5项能效标准：打印机、传真机、机顶盒、太阳能热水器、制冷展示柜
- 2011年8月国家发布了第八批能效标识产品目录（打印机、传真机和数字电视接收器），将于2012年1月1日实施。
- 发布《中国用能产品能效状况白皮书》

2012年将支持:

- 支持能效领跑者制度
  - 5 new EE standards in 2011: printer, fax machine, set-top box, solar water heater, refrigerated display cabinet
  - The eighth batch of China Energy Efficiency Label catalogue: printers, fax machines and set-top boxes
  - *White Paper for the Energy Efficiency Status of China Energy-using Products* (2011)
  - 2012: To support the top-runner program

发布的能效标识: 共25类产品
EE labels issued: 25 products



据测算，能效标识实施6年来共计节约2300多亿度电，减排二氧化碳2.15亿吨，二氧化硫92万吨

CEELS has been implemented for 6 years, saving 230 billion kWh electricity, reduced emission CO2 215 million tons, and SO2 920 thousand tons

建筑：建筑标准与绿色建筑
Buildings: Building Codes & Green Buildings

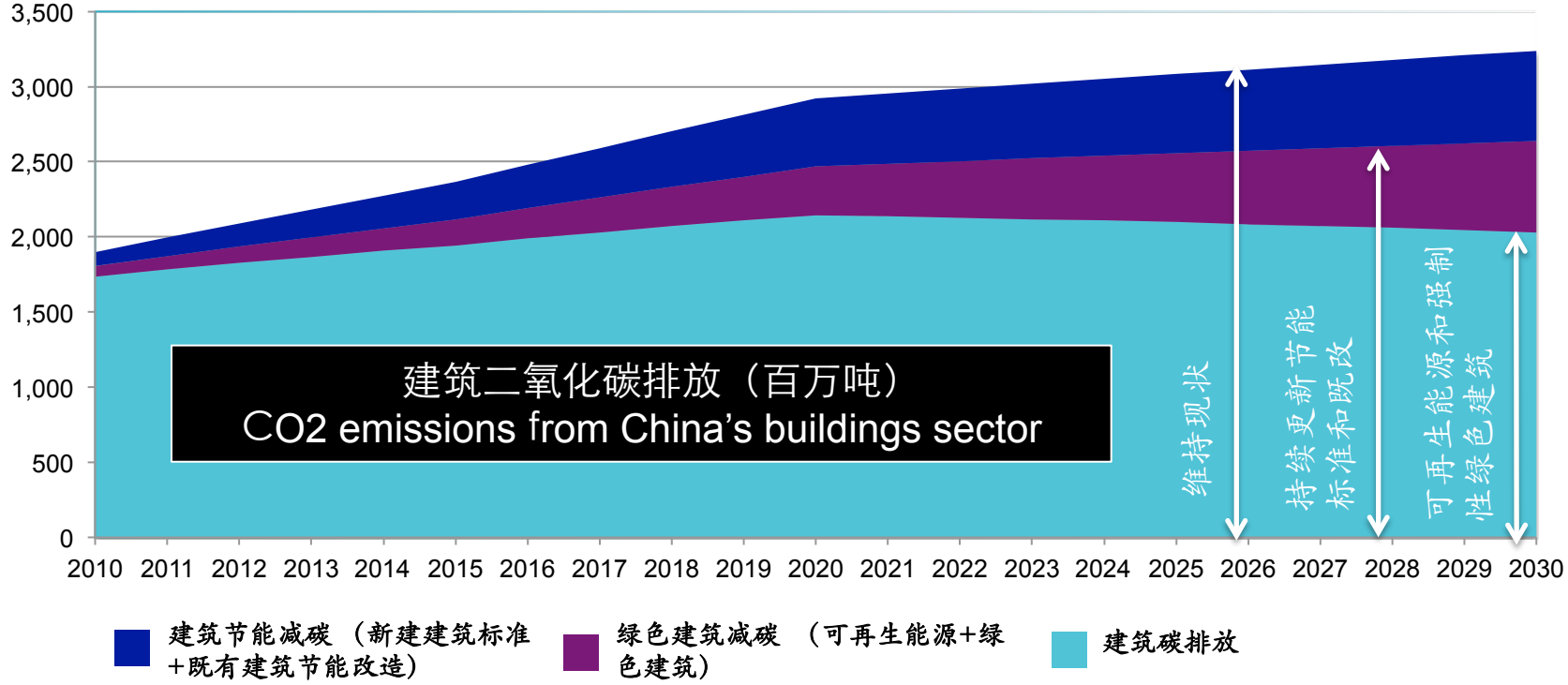
2011年重点支持以下研究：

- 中国建筑节能“十二五”发展规划
- 国务院“十二五”节能减排综合性工作方案中的建筑节能与绿色建筑部分

2012年将支持：

- 国家绿色建筑行动方案的研究与实施

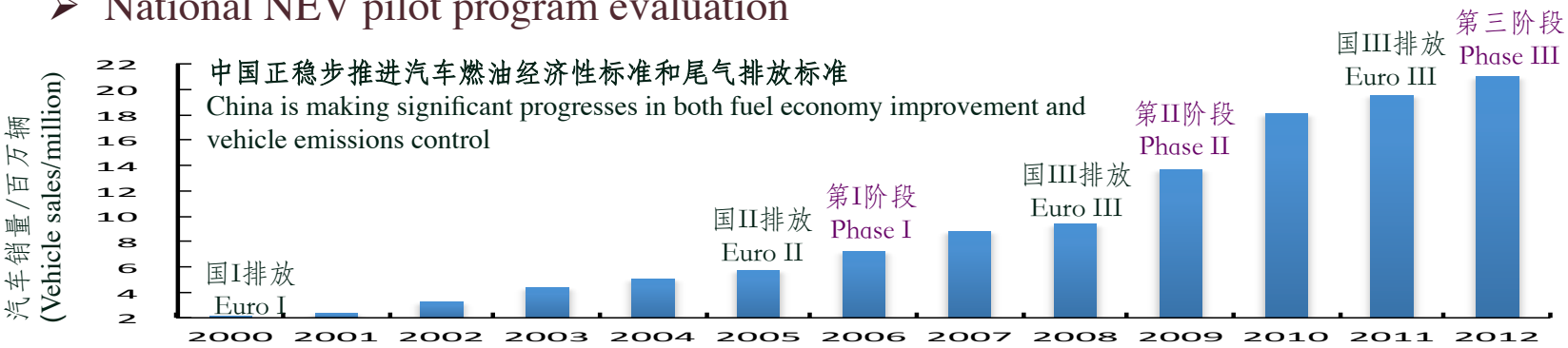
- 12th FYP on Building Energy Efficiency
- The building energy efficiency part in the State Council's Comprehensive Working Plan on Energy Saving and Emission Reduction
- In 2012, to support implementation of the National Green Building Action Plan



交通项目
Transportation Program

- 乘用车、重型车、摩托车等燃料消耗量限值标准及其配套政策制定研究
- 节能汽车补贴政策调整研究
- 柴油机清洁化路径及控制对策研究
- 机动车污染防治年报和地方年报制定研究
- 交通系统节能潜力研究
- 全国绿色货运项目设计与实施
- 新能源汽车示范试点运行效果评估

- Development of fuel consumption standards and policies for PVs, HDVs and motorcycles
- Adjustment on subsidy policy for energy-saving vehicles
- Strategy for clean diesel vehicles/machines
- Development of national and local annual reports on vehicle emissions control
- Research on energy-saving potential from transportation sector
- Design and implementation of national green freight program
- National NEV pilot program evaluation

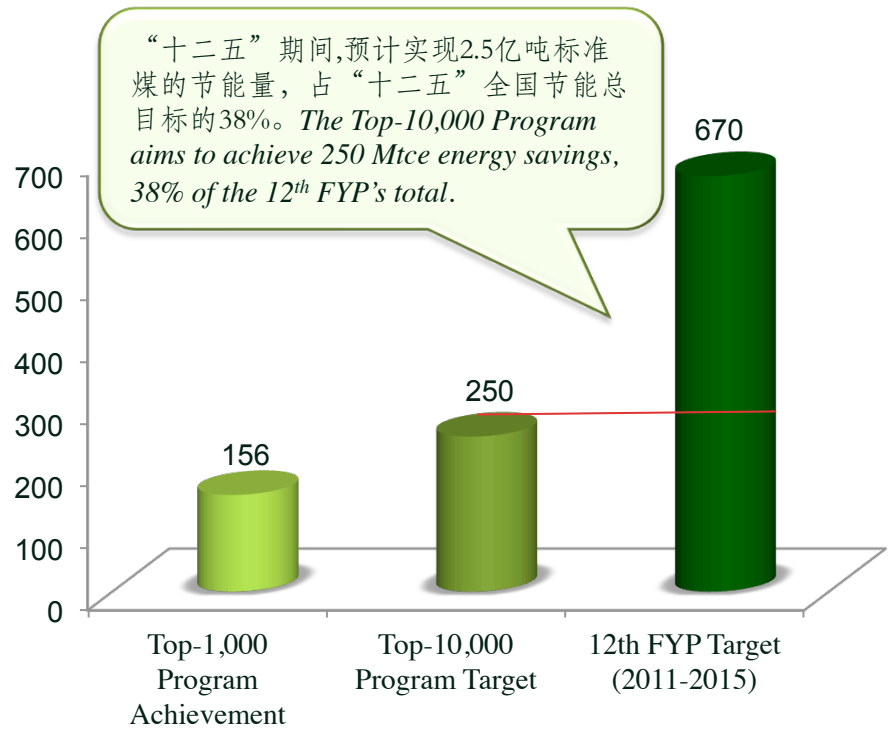


工业项目
Industry Program

- 支持工业能效政策和标准的制定与实施
  - 支持“万家企业节能低碳行动”的设计
  - 支持工业能效标准的制定和宣贯
- 推动地方节能新实践的实施和规模化
- 搭建工业节能交流和服务平台

- Development and Implementation of EE Polices and Standards
  - Design of Top-10,000 Enterprises Energy Efficiency Program
  - Guidelines and EE Standards
- Pilot and Scale-up of Local Best Practices in Shandong and Suzhou
- Establishment of Industrial Energy Efficiency Alliances: UAIEE and CAIEE

万家企业节能低碳行动
Top-10,000 Enterprises Energy Efficiency Program



讨论要点
Topics for Discussion

- 可再生能源的长期发展蓝图
- 低碳城市示范
- 万家企业节能低碳行动
- 提高环境质量

- Renewable energy long-term roadmap
- Low-carbon city pilots
- Top 10,000 Enterprises Energy Efficiency Program
- Enhancing environmental quality

中 国 可 持 续 能 源 项 目

The China Sustainable Energy Program

Thank You!

讨　论
Discussion