

2014 Annual Results Presentation

March 2015

Setting Sail for NEW HORIZONS

中國光大國際有限公司
CHINA EVERBRIGHT INTERNATIONAL LIMITED

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Agenda



- **Results Highlights**
- **Financial Review**
- **Energy Conservation & Emission Reduction**
- **Business Review**
 - Business Overview
 - Corporate Positioning
- **Q & A**
- **Appendix – Project Summary**

3

Results Highlights



4

Results Highlights (1)

- **Operating results hit record highs**
 - Total assets surpassed HKD30 billion to HKD31.2 billion, up 33%;
 - Turnover surpassed HKD6 billion to HKD6.4 billion, up 19%;
 - Profit attributable to equity shareholders was HKD1.7 billion, up 29%;
 - Dedicated to pursuing business development and sharing the results with shareholders, the Board declared a final dividend of HK6.0 cents per share. The total dividends for the year is HK11.0 cents per share, a growth of 29%.

Results Highlights (2)

- **Strong financial status with diverse financing channels**
 - Abundant cash on hand, reasonable gearing, and healthy financial position; gearing ratio of 43%;
 - HKD5.1 billion cash on hand and unutilized banking facility of HKD5 billion, available funds exceeded HKD10 billion;
 - Actively pursues negotiations with policy banks and commercial banks on banking facilities;
 - Strong financial resources will further boost the sustainable, stable and rapid development of the Group.

Results Highlights (3)

- **Outstanding results in market expansion**

- Secured 27 new projects with a total investment of over RMB9.2 billion, exceeding the aggregate new projects in the last two years
- Remarkable achievements in waste-to-energy projects:
 - Secured 12 new waste-to-energy projects and added a record daily processing capacity of 11,300 tonnes
- Biomass projects emerged as a new force:
 - Secured 7 new biomass integrated utilization projects, adding an annual agricultural waste and straw processing capacity of 1,512,000 tonnes

7

Results Highlights (3) con't

- **Outstanding results in market expansion**

- Continued to expand into new regions:
 - Provinces and cities include Anhui, Hunan, Henan, Sichuan, Shanxi, Beijing and Shaanxi etc.



8

Results Highlights (4)

- **A new round of development completely roll-out**
 - **Development strategy: Leveraged talent, science & technology to expand from coastal areas to inland cities, from cities to rural areas, and from domestic to overseas markets adhering to high standards**
 - **From coastal areas to inland cities:** Gradual expansion from Shanxi, Anhui and Hunan to other inland cities including Henan, Sichuan and Shaanxi
 - **From cities to rural areas:** Successfully developed various operation models including rural and urban waste integrated treatment, biomass direct combustion, biomass pellet fuel manufacturing and biomass heat and electricity cogeneration etc.
 - **From domestic to overseas markets:** Completed the spin-off and separate listing of environmental water business on the Singapore Exchange through reverse takeover; achieved overseas sales of core equipment and technology

9

Results Highlights (5)

- **Steady progress of project construction**
 - Construction progressed smoothly, giving strong support to the company's profit growth
 - During the year under review, 11 projects completed construction and commenced operation
 - 5 Waste-to-energy projects (Ningbo, Nanjing, Pizhou, Sanya, Shouguang)
 - 3 water treatment projects (Ling County (plant 1) upgrading project, Zhangqiu, Xianyang phase II)
 - 1 biomass power generation project (Hanshan)
 - 2 hazardous solid waste treatment projects (Guanyun, Binhai)
 - 17 projects are under construction, commanding a total investment exceeding RMB4.45 billion

10

Results Highlights (6)

- **Significant improvement in technological strength, fully adopted domestic equipment**
 - Established Everbright Environmental Protection Technology Institute, developed increasingly mature technologies
 - The institute consists of 3 subsidiary research institutes specializing in incineration technology, water environment technology and engineering design
 - Focus on household waste, industrial hazardous waste, sludge and food waste treatment technologies, biomass utilization, synergetic treatment of urban and rural waste in small and medium-sized cities, waste water treatment in urban cities
 - Obtained 7 invention patent rights and 10 application patent rights
 - Obtained national special subsidies of RMB100 million, reached a historical high
 - Cooperated with national departments and committees to formulate or participate in the design of environmental protection related technology standards or regulations

11

Results Highlights (7)

- **Equipment manufacturing achieved significant result**
 - Successful registration of Everbright Environmental Protection trademark 
 - 5 different types of self-developed grate furnace product series received European Union's CE mark, successfully obtained permits to enter into international markets
 - Domestic and overseas equipment supply and technical services contracts for the year amounted to approximately RMB141 million
 - Expansion of Changzhou Equipment Manufacturing Centre Phase II, which is expected to complete construction and commence operation in 1H 2015

12

Results Highlights (8)

- **Optimized human resources strategy, strengthened internal management**
 - People-oriented, systematic management
 - Completed company-wide competitive selection of middle management
 - Organized back-up team selection and built up a talent pipeline to ensure employees' development is in line with the Group's new round of development
 - Launched the 4th Tsinghua University CEO class (28 participants) and the 3rd Master in Engineering Program (27 participants)
 - Strengthened risk prevention by setting up the Risk Management Department to enhance the development of its risk management framework

13

Results Highlights (9)

- **Continuous enhancement of social benefits**
 - Established Everbright International Environmental Protection Charitable Foundation
 - Supported "Earth Hour 2014" campaign held by World Wide Fund (WWF)
 - Became Double Diamond member of WWF Hong Kong and supported conservation, ecological footprint and environmental education in Hong Kong
 - Built strategic partnership with China Ecological Civilization Research and Promotion Association and Chinese Society for Environmental Sciences to enhance promotion of environmental protection education in China

14

Results Highlights (10)

- **Rising brand value**
 - Included as a constituent stock of:
 - MSCI China Index (since 2013)
 - Hang Seng China-Affiliated Corporations Index (since 2013)
 - Hang Seng Mainland 100 Index (since 2014)
 - Hang Seng Corporate Sustainability Index (since 2014)
 - Hang Seng Corporate Sustainability Benchmark Index (since 2010)

15

- Evolving from a traditional company to a high-tech company, and transforming from an environmental protection company to a low-carbon industry player
- Establishing the leading position in environmental protection industry in China by mature technology and advanced management

16

Financial Review

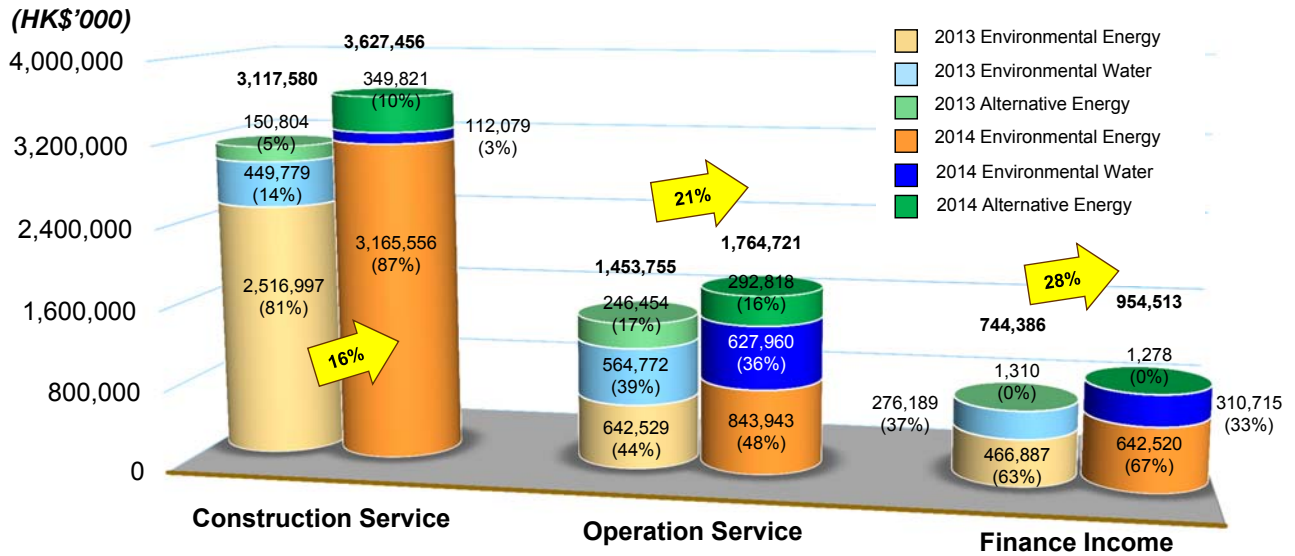
17

Financial Review

(HK \$'000)	For the year ended 31 December		Change
	2014	2013	
Turnover	6,355,120	5,319,866	19%
Gross profit	2,968,560	2,375,408	25%
EBITDA on recurring basis	2,795,219	2,217,929	26%
Profit attributable to equity shareholders	1,703,147	1,324,667	29%
Basic EPS	HK37.99 cents	HK32.60 cents	17%
Dividends per share	HK11.0 cents	HK8.5 cents	29%

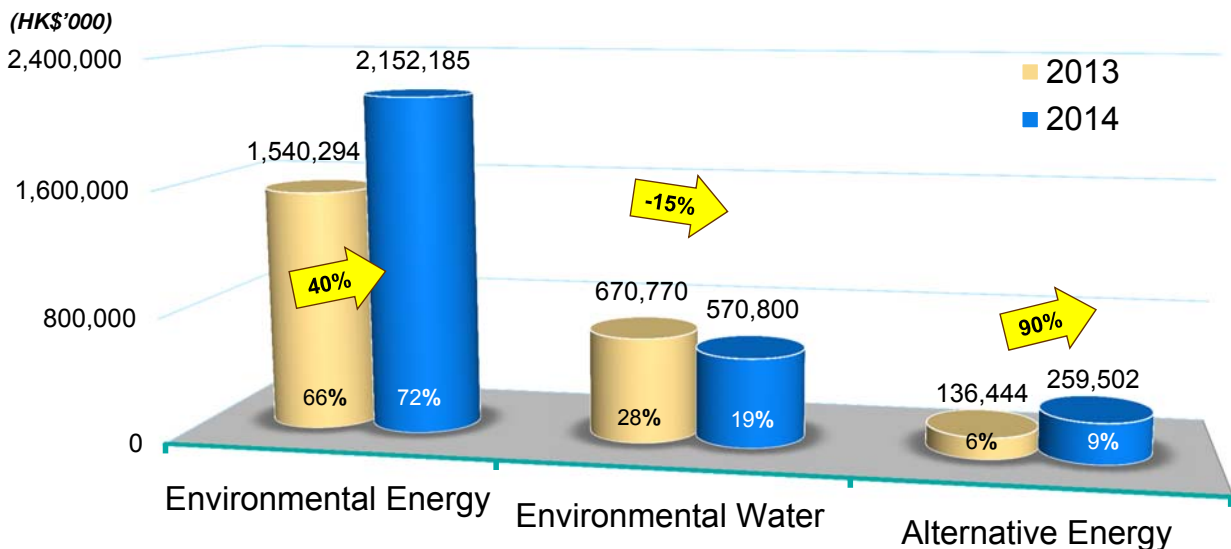
18

Turnover Analysis of Environmental Protection and Alternative Energy Businesses – by Activity



Turnover of Environmental Protection and Alternative Energy Businesses:
 2014: HK\$6,346,690,000 (up 19%)
 2013: HK\$5,315,721,000

EBITDA Analysis of Environmental Protection and Alternative Energy Businesses



EBITDA of Environmental Protection and Alternative Energy Businesses:
 2014: HK\$2,982,487,000 (up 27%)
 2013: HK\$2,347,508,000

Key Financial Figures

	As at 31/12/2014	As at 31/12/2013	Change
Total assets (HK\$ 'Mil)	31,200	23,471	33%
Total liabilities (HK\$ 'Mil)	13,357	9,692	38%
Shareholders' equity (HK\$ 'Mil)	16,263	13,374	22%
Cash on hand (HK\$ 'Mil)	5,150	5,815	-11%
Current ratio (%)	170	231	-61ppt
Gearing ratio (%) (Total liabilities/Total assets)	43	41	2ppt

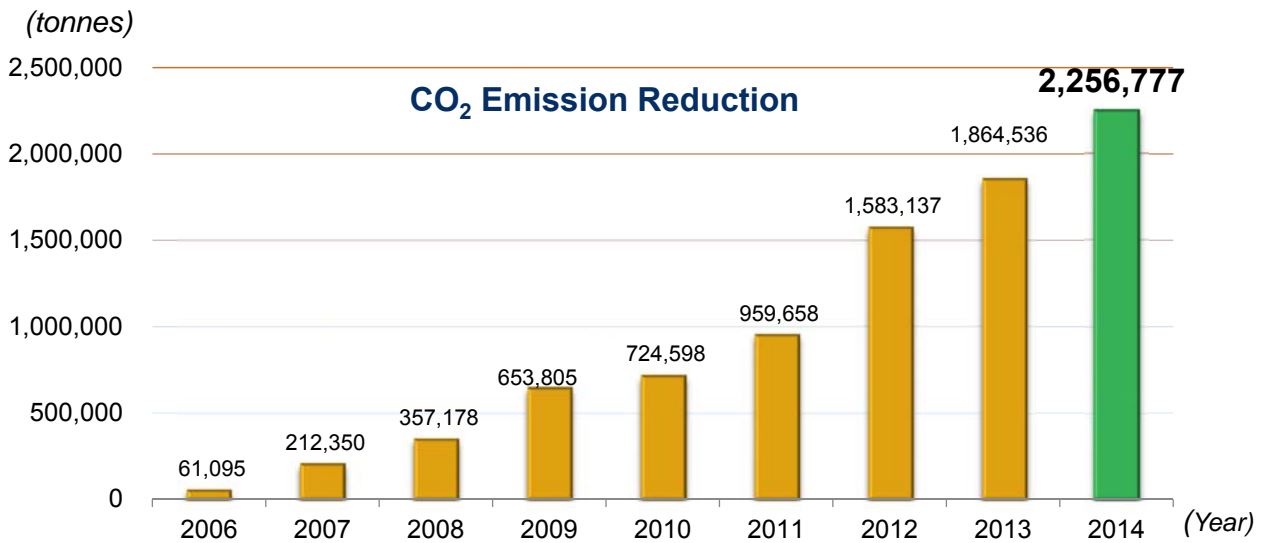
21

Energy Conservation & Emission Reduction



22

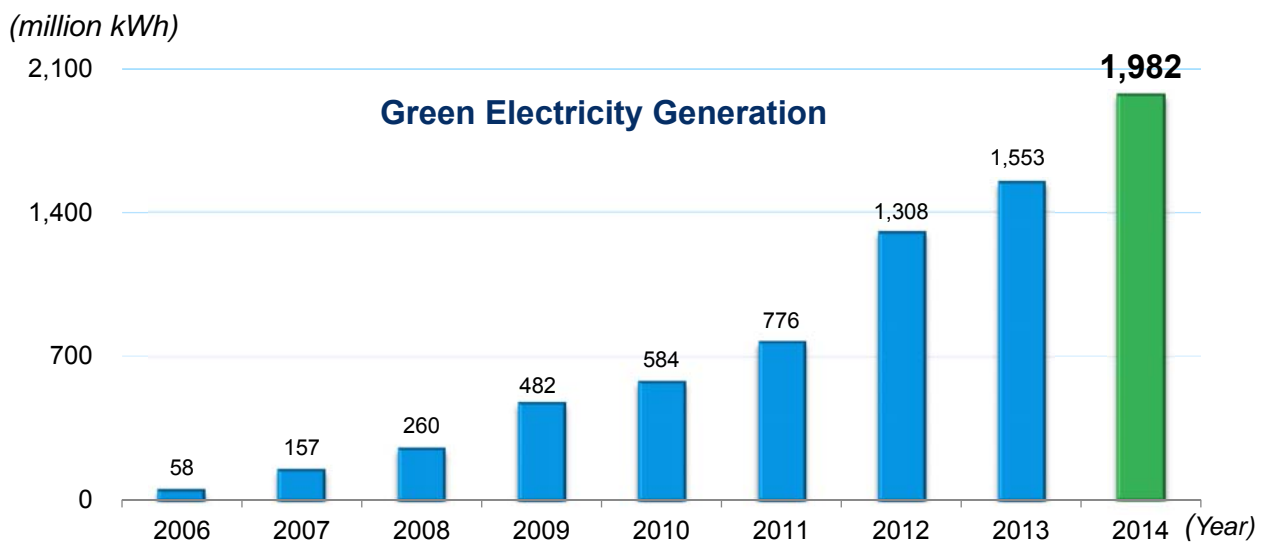
Energy Conservation & Emission Reduction (1)



- In 2014, the Group generated green electricity of 1,982 million kWh, equivalent to standard coal saving of 793,000 tonnes and hence reduced CO₂ emission of 2.257 million tonnes. Since the operation of its first environmental protection project in 2005, the accumulated green electricity generation reached 7.16 billion kWh, equivalent to standard coal saving of 2.864 million tonnes and reduction of CO₂ emission of approximately 8.673 million tonnes.

23

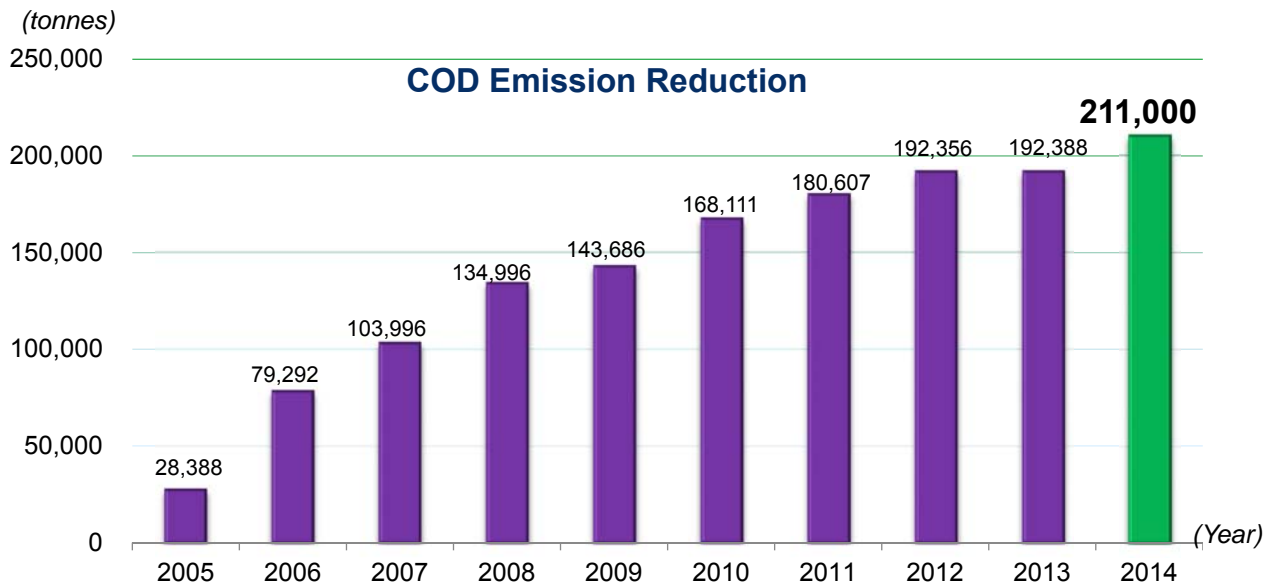
Energy Conservation & Emission Reduction (2)



- In 2014, green electricity generated by waste-to-energy, methane-to-energy, biomass power generation and photovoltaic energy projects was 1,982 million kWh which fulfilled the annual electricity consumption of approximately 1.652 million households. Since the operation of its first environmental protection project in 2005, the accumulated green electricity generation reached 7.16 billion kWh which fulfilled the annual electricity consumption of approximately 5.967 million households.

24

Energy Conservation & Emission Reduction (3)



- In 2014, the Group treated waste water and leachate of 584 million m³ and 1.169 million m³ respectively which reduced COD emission of approximately 211,000 tonnes. Since the operation of its first environmental protection project in 2005, the accumulated waste water and leachate treatment volume reached 3.76 billion m³ and 3.812 million m³ respectively and COD emission reduction was approximately 1.435 million tonnes.

25

Business Overview



- Environmental Energy
- Environmental Water
- Alternative Energy
- Environmental Protection Industrial Park
- Environmental Protection Equipment Manufacturing
- Environmental Protection Engineering
- Environmental Protection Technology

26

Environmental Energy (1)

- 15 waste-to-energy projects, 5 industrial and hazardous waste treatment projects and 2 methane-to-energy projects are in operation
- 21 waste-to-energy projects, 5 hazardous waste treatment projects and 1 sludge treatment and disposal project are under construction or in preparatory stage
- Commanding a total investment of RMB18.666 billion

27

Environmental Energy (2)

- **Designed capacity :**
 - annual household waste processing capacity of 11.77 million tonnes
 - annual on-grid electricity generation capacity of 5.15 billion kWh
 - annual hazardous waste incineration processing capacity of 88,500 tonnes, physico-chemical processing capacity of 50,000 tonnes
 - annual industrial and hazardous waste landfill capacity of 131,650 tonnes
 - annual sludge treatment capacity of 18,250 tonnes

28

Environmental Water (1)

- 33 waste water treatment projects, 3 reusable water projects and 2 waste water source heat pump projects are in operation
- 1 waste water BT project and 1 surface water BT project have been completed and transferred
- 5 waste water treatment projects and 1 reusable water project are under construction
- Commanding a total investment of RMB5.906 billion

29

Environmental Water (2)

- **Designed capacity:**
 - annual waste water treatment capacity of 938 million m³
 - annual reusable water supply of 22.33 million m³
 - provide heating and cooling services for an area of 312,000 m²

30

Alternative Energy (1)

- 8 photovoltaic energy projects and 2 biomass power generation projects are in operation
- 1 biomass integrated utilization project and 2 wind power generation projects are under construction
- 10 biomass integrated utilization projects and 1 distributed photovoltaic energy project are in preparatory stage
- 24 projects commanding a total investment of RMB5.285 billion

31

Alternative Energy (2)

- **Designed capacity:**
 - annual agricultural waste treatment capacity of 3.156 million tonnes
 - annual electricity generation of 2.069 billion kWh
 - annual heat volume of 1.50 million tonnes
 - Annual pellet production capacity of 116,000 tonnes

32

Environmental Protection Industrial Park

- 9 Environmental Protection Industrial Parks
- Commanding a total investment of RMB20 billion

33

Environmental Equipment Manufacturing

- Equipment manufacturing has become a new growth driver
 - Manufacturing of grate furnaces, leachate treatment equipment and emission purification equipment etc.
 - Completed unit assembly and commissioning of 7 sets of incinerators (including 2 set of 750-tonne/day) within the year, reaching full production capacity
 - Expansion of Phase II is expected to complete in the 1H 2015
 - Developed external sales network of equipment and technical services

34

Environmental Protection Engineering

- National High Tech Enterprise
- Obtained the "Main Contractor for Municipal Public Works" License
- Received numerous national and provincial gold and silver awards for quality
- 11 projects completed and started operation during the year, bringing the total number of completed projects over 70 and commanding a total investment exceeding RMB14.5 billion
- 44 projects are under construction or in preparatory stage

35

Environmental Protection Technology

- National High Tech Enterprise
- Obtained many invention and application patents
- Achieved significant R&D results
- Continued to strengthen R&D
- Continued to introduce advanced environmental protection technology

36

Corporate Positioning



- High Starting Point
- Wider Horizon
- Stronger Cohesiveness
- Full Effort
- Steady Development
- Advanced Technology
- Excellent Quality
- Better Efficiency

37

Corporate Positioning

- Becoming an investment holding group engaging in environmental protection, integrating construction, operation, R&D and equipment manufacturing in the system
- Becoming the world leading player in the green environmental protection and alternative energy industries

38

Q & A



Thank You



Appendix

Project Summary



41

Environmental Energy (1)

Operating Projects:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
Suzhou Waste-to-energy Project Phase I	1,050	489
Suzhou Waste-to-energy Project Phase II	1,000	450
Suzhou Waste-to-energy Project Phase III	1,500	750
Yixing Waste-to-energy Project Phase I	500	238
Jiangyin Waste-to-energy Project Phase I	800	389
Jiangyin Waste-to-energy Project Phase II	400	205
Changzhou Waste-to-energy Project	800	413
Zhenjiang Waste-to-energy Project Phase I	1,000	413
Jinan Waste-to-energy Project	2,000	901
Suqian Waste-to-energy Project	600	324
Sub-total	9,650	4,572

42

Environmental Energy (2)

Operating Projects:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
Ningbo Waste-to-energy Project Phase I	1,000	560
Nanjing Waste-to-energy Project Phase I	2,000	1,030
Pizhou Waste-to-energy Project Phase I	600	330
Sanya Waste-to-energy Project Phase I	700	426
Shouguang Waste-to-energy Project Phase I	600	338
Sub-total	4,900	2,684

43

Environmental Energy (3)

Projects under construction:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
Boluo Waste-to-energy Project Phase I & Ecological Park	700	447
Weifang Waste-to-energy Project Phase I	1,000	586
Zhenjiang Waste-to-energy Project Phase II	400	200
Changzhou Xinbei Waste-to-energy Project Phase I	800	420
Rizhao Waste-to-energy Project Phase I	600	350
Ningbo Waste-to-energy Project Phase II	500	190
Sub-total	4,000	2,193

44

Environmental Energy (4)

Projects in preparatory stage:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
Huidong Waste-to-energy Project	600	334
Yixing Waste-to-energy Project Phase II	300	151
Wujiang Waste-to-energy Project	1,500	890
Ningbo Ninghai Waste-to-energy Project Phase I	700	360
Heze Waste-to-energy Project Phase I	600	350
Ma'anshan Waste-to-energy Project Phase I	800	450
Yiyang Waste-to-energy Project Phase I	800	372
Nanjing Waste-to-energy Project Phase II	2,000	987
Dangshan Waste-to-energy Project Phase II	400	250
Nanjing Gaochun Waste-to-energy Project	500	292
Sub-total	8,200	4,436

45

Environmental Energy (5)

Projects in preparatory stage:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
Tengzhou Waste-to-energy Project Phase I	600	339
Xinzheng Waste-to-energy Project Phase I	1,000	520
Pei County Waste-to-energy Project Phase I	400	250
Hangzhou Waste-to-energy Project Phase I	3,000	1,800
Lingbi Waste-to-energy Project Phase I	500	250
Sub-total	5,500	3,159

46

Environmental Energy (6)

Industrial solid waste and hazardous waste treatment projects (Operating Projects):

Project Name	Designed Storage Capacity (m ³)	Annual Processing Capacity (tonnes)	Total Investment (RMB'mil)
Suzhou Industrial Solid Waste Landfill Project Phase I	142,000		78
Suzhou Industrial Solid Waste Landfill Project Phase II	370,000	40,000	40
Suqian Hazardous Solid Waste Landfill Project Phase I	340,000	20,000	99
Binhai Hazardous Solid Waste Landfill Project	600,000	30,000	186
Guanyun Hazardous Solid Waste Landfill Project Phase I	300,000	20,000	139
Sub-total	1,752,000	110,000	542

47

Environmental Energy (7)

Industrial solid waste and hazardous waste treatment projects (Project under construction):

Project Name	Designed Storage Capacity (m ³)	Average Annual Processing Capacity (tonnes)	Total Investment (RMB'mil)
Zibo Integrated Hazardous Solid Waste Treatment Project	N/A	Incineration processing capacity: 40,000 Physico-chemical processing capacity: 50,000	400
Sub-total	N/A	Incineration processing capacity: 40,000 Physico-chemical processing capacity: 50,000	400

48

Environmental Energy (8)

Industrial solid waste and hazardous waste treatment projects
(Projects in preparatory stage):

Project Name	Designed Storage Capacity (m ³)	Average Annual Processing Capacity (tonnes)	Total Investment (RMB'mil)
Shouguang Integrated Hazardous Solid Waste Treatment Project	500,000	20,000	157
Lianyungang Hazardous Waste Treatment Project	N/A	Incineration processing capacity: 9,000 Medical waste treatment capacity: 1,650	80
Xinyi Hazardous Waste Treatment Project	N/A	Incineration processing capacity: 9,500	100
Changzhou Hazardous Waste Treatment Project	N/A	Incineration processing capacity: 30,000	280
Sub-total	500,000	Landfill: 20,000 Incineration processing capacity: 48,500 Medical waste treatment capacity: 1,650	617

49

Environmental Energy (9)

Sludge treatment and disposal projects
(Projects in preparatory stage):

Project Name	Daily processing capacity (tonne)	Total Investment (RMB'mil)
Sanya Sludge Treatment and Disposal Project	50	22
Sub-total	50	22

Operating Projects:

Project Name	Average annual electricity generation capacity (kWh)	Total investment (RMB'mil)
Suzhou Methane-to-energy Project Phase I	18,000,000	28
Suzhou Methane-to-energy Project Phase II	9,000,000	13
Sub-total	27,000,000	41
Total for Environmental Energy	Daily household waste processing capacity: 32,250 tonnes Solid waste/hazardous waste landfill capacity: 2,252,000 m³ (130,000 tonnes/year) Annual hazardous solid waste incineration processing capacity: 88,500 tonnes Annual physico-chemical processing capacity: 50,000 tonnes Annual medical waste treatment capacity: 1,650 tonnes Daily sludge treatment disposal capacity: 50 tonnes	18,666

50

Environmental Energy (10)

Expansion projects planned in the concession agreements:

Project Name	Daily waste processing capacity (tonnes)
Pizhou Waste-to-energy Project Phase II	400
Sanya Waste-to-energy Project Phase II	350
Boluo Waste-to-energy Project Phase II	350
Shouguang Waste-to-energy Project Phase II	400
Weifang Waste-to-energy Project Phase II	500
Ningbo Ninghai Waste-to-energy Project Phase II	350
Rizhao Waste-to-energy Project Phase II	300
Heze Waste-to-energy Project Phase II	300
Sub-total	2,950

51

Environmental Energy (11)

Expansion projects planned in the concession agreements:

Project Name	Daily waste processing capacity (tonnes)
Ma'anshan Waste-to-energy Project Phase II	400
Changzhou Xinbei Waste-to-energy Project Phase II	700
Dangshan Waste-to-energy Project II	300
Tengzhou Waste-to-energy Project Phase II	400
Pei County Waste-to-energy Project Phase II	400
Xinzheng Waste-to-energy Project Phase II	500
Lingbi Waste-to-energy Project Phase II	300
Sub-total	3,000
Total	5,950

52

Environmental Protection Industrial Park

Industrial Park	Investment amount (RMB)	Expected no. of projects
Suzhou Everbright National Demonstrative Veinous Industrial Park	3.3 billion	>10
Suqian Enverbright Environmental Protection Industrial Park	1.6 billion	6-8
Changzhou Everbright Environmental Protection Industrial Park	1 billion	9
Weifang Everbright Environmental Protection Industrial Park	3.7 billion	>10
Yixing Everbright Environmental Protection Veinous Industrial Park	HK\$2-3 billion	>10
Nanjing Everbright Environmental Protection Veinous Industrial Park	4.2 billion	>10
Zhenjiang New District Everbright Environmental Protection Industrial Park	HK\$1.5 billion	6-8
Lianyungang Xuwei New District Environmental Protection Veinous Industrial Park	0.6 billion	>10
Ganzhou Everbright Environmental Protection Veinous Industrial Park	2 billion	>10

53

Environmental Water (1)

Operating Projects:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Qingdao Waste Water Treatment Project (Maidao Plant & Haibohe Plant and upgrade project)	220,000	356
Zibo Waste Water Treatment Project (Southern & Northern Plants and upgrade project)	250,000	354
Zibo High-tech Zone Waste Water Treatment Project	100,000	150
Zibo Zhoucun Waste Water Treatment Project Phase I	40,000	70
Binzhou Boxing Waste Water Treatment Project (Phase I, upgrade project and extension of Phase II project)	60,000	85
Jinan Waste Water Treatment Project (Plant 1 & Plant 2 and upgrade and expansion projects)	500,000	707
Jinan Licheng Waste Water Treatment Project (Plant 3)	100,000	138
Jinan Xike Waste Water Treatment Project (Plant 4)	30,000	73
Sub-total	Daily waste water treatment: 1,300,000	1,933

54

Environmental Water (2)

Operating Projects:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Ling County Plant 2 BOT Project	30,000	58
Ling County Plant 1 TOT Project	30,000	34
Jiangyin Waste Water Treatment Project (acquisition and upgrade)	190,000	530
Zibo Reusable Water Project Phase I	annual supply: 1,750,000	44
Jinan Licheng Reusable Water Project	annual supply: 15,330,000	31
Jiangyin Reusable Water Project	annual supply: 3,500,000	73
Dezhou Nanyunhe Waste Water Treatment Project Phase I	75,000	150
Jinan Licheng Waste Water Treatment Project (Plant 3) Phase II	100,000	195
Sub-total	Daily waste water treatment: 425,000 Annual reusable water supply: 20,580,000	1,115

55

Environmental Water (3)

Operating Projects:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Zhangqiu Waste Water Treatment Project	30,000	61
Ling County Waste Water Treatment Project (Plant 1) Upgrading	unchanged	14
Zibo Waste Water Source Heat Pump Project Phase I	service area: 125,000m ²	58
Zibo Ceramic Park Heat Pump Project	service area: 187,000m ²	93
Binzhou Development Zone Waste Water Treatment Project Phase I	40,000	70
Kunshan Development Zone Waste Water Treatment Project Phase I	25,000	68
Kunshan Development Zone Waste Water Treatment Project Phase II	25,000	16
Yangzhou Jiangdu Development Zone Waste Water Treatment Project Phase I	12,500	25
Lianyungang Dapu Waste Water Treatment Project	100,000	140
Sub-total	Daily waste water treatment: 232,500 Service area: 312,000m²	545

56

Environmental Water (4)

Operating Projects:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Lianyungang Xugou Waste Water Treatment Project Phase I	40,000	100
Nanjing Pukou Waste Water Treatment Project Phase I	40,000	111
Suzhou Wuzhong Chengnan Waste Water Treatment Project Phase I	75,000	559
Nanjing Liuhe Waste Water Treatment Project Phase I	20,000	63
Nanjing Liuhe Waste Water Treatment Project Phase II	20,000	98
Daxing Tiantanghe Waste Water Treatment Project Phase I	40,000	101
Xianyang Waste Water Treatment Project Phase I	100,000	101
Xianyang Waste Water Treatment Project Phase II	100,000	140
Sub-total	Daily waster water treatment: 435,000	1,273

57

Environmental Water (5)

Transferred Project:

Project Name	Daily treatment capacity (m ³)	Total investment (RMB 'mil)
Xinyi BT Waste Water Treatment Project Phase I	Daily waste water treatment capacity 10,000	62
Xinyi Surface Water BT Project	Daily surface water supply 100,000	385
Sub-total		447

58

Environmental Water (6)

Projects under construction:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Binzhou Boxing Waste Water Treatment Project (expansion and upgrade of project)	20,000	64
Zibo Reusable Water Project Phase II	annual supply: 1,750,000	15
Yangzhou Jiangdu Development Zone Waste Water Treatment Project Phase II and upgrading	12,500	66
Nanjing Pukou Waste Water Treatment Project Phase II and upgrading	40,000	149
Suzhou Wuzhong Chengnan Waste Water Treatment Project Phase II and upgrading	75,000	225
Sanmenxia Industry Cluster Area Waste Water Treatment Project Phase I (commenced operation in Feb 2015)	30,000	74
Sub-total	Daily waste water treatment: 177,500 Annual reusable water supply: 1,750,000	593
Total for Environmental Water	Annual waste water treatment: 938,050,000 Annual reusable water supply: 22,330,000 Service area: 312,000 m²	5,906

59

Environmental Water (7)

Projects in preparatory stage:

Project Name	Daily waste water treatment capacity (m ³)
Dezhou Nanyunhe Waste Water Treatment Project Phase II	75,000
Binzhou Development Zone Waste Water Treatment Project	30,000
Kunshan Development Zone Waste Water Treatment Project Phase III	50,000
Lianyungang Xugou Waste Water Treatment Project Phase II	40,000
Yangzhou Jiangdu Development Zone Waste Water Treatment Project Phase III	25,000
Sanmenxia Industry Cluster Area Waste Water Treatment Project Phase II	120,000
Sanmenxia Industry Cluster Area Waste Water Treatment Project (Reusable water)	100,000
Sanmenxia Industry Cluster Area Waste Water Treatment Project (Water supply)	200,000
Daxing Tiantanghe Waste Water Treatment Project Phase II	40,000
Xianyang Waste Water Treatment Project (Reusable water)	170,000
Total	850,000

60

Alternative Energy (1)

Operating Projects:

Project Name	Average annual electricity generation capacity (kWh)	Total investment (RMB 'mil)
Shenzhen Rooftop Photovoltaic Energy Project	1,480,000	28
Zhenjiang Ground Photovoltaic Energy Project	4,059,000	73
Suqian Rooftop Photovoltaic Energy Project	2,205,000	53
Huaining Ground Photovoltaic Energy Project	2,170,000	51
German Ground Photovoltaic Energy Project	3,611,000	68
Suqian Rooftop Photovoltaic Energy Project Phase II	6,198,000	142
Changzhou Rooftop Photovoltaic Energy Project	4,113,000	79
Zhenjiang Rooftop Photovoltaic Energy Project	11,680,000	236
	184,000,000	
Dangshan Biomass Power Generation Project	Annual agricultural waste and straw processing capacity: 274,000 tonnes	312
	184,000,000	
Hanshan Biomass Power Generation Project	Annual agricultural waste and straw processing capacity: 274,000 tonnes	320
Sub-total	Electricity: 403,516,000 Annual agricultural waste and straw processing capacity: 548,000 tonnes	1,362

61

Alternative Energy (2)

Project under construction:

Project Name	Annual Heat Volume (tonnes)	Annual agricultural waste and straw processing capacity (tonnes)	Total investment (RMB 'mil)
Xuyi Biomass Integrated Utilization Project	370,000 Electricity: 106,000,000 kWh	236,000	301
Sub-total	Electricity: 106,000,000 kWh Heat: 370,000 tonnes	236,000	301

Alternative Energy (3)

Projects in preparatory stage:

Project Name	Average annual electricity generation capacity (kWh)	Annual agricultural waste and straw processing capacity (tonnes)	Total investment (RMB 'mil)
Hanshan Distributed Photovoltaic Energy Project	5,161,100	N/A	63
Huaiyuan Biomass Integrated Utilization Project	200,000,000	280,000	330
Dingyuan Biomass Integrated Utilization Project	200,000,000	300,000	320
Lingbi Biomass Integrated Utilization Project	200,000,000	300,000	320
Xinyi Biomass Power Generation Project	184,000,000	274,000	321
Shuyang Biomass Power Cogeneration Project	Electricity: 172,250,000 Heat: 390,000 tonnes	274,000	340
Linyi Biomass Power Generation Project	184,000,000	274,000	320
Laiyang Biomass Power Generation Project	184,000,000	274,000	320
小计	Electricity: 1,329,411,100 Heat: 390,000 tonnes	1,976,000	2,334

63

Alternative Energy (4)

Projects in preparatory stage:

Project Name	Annual Heat Volume (tonnes)	Annual agricultural waste and straw processing capacity (tonnes)	Total investment (RMB 'mil)
Sucheng Biomass Integrated Utilization Project	350,000	120,000	175
Guanyun Biomass Integrated Utilization Project	392,000	150,000	175
Rudong Biomass Integrated Utilization Project	Annual pellet production capacity: 116,000 tonnes	126,000	90
Sub-total	Heat: 742,000 Annual pellet production capacity: 116,000 tonnes	396,000	440

64

Alternative Energy (5)

Projects under construction:

Project Name	Average annual electricity generation capacity (kWh)	Total investment (RMB 'mil)
Ningwu Wind Power Project (Changfangshan & Zhaojiashan)	230,000,000	848
Sub-total	230,000,000	848
Total for Alternative Energy	Electricity: 2,068,927,100 Heat: 1,502,000 tonnes Annual agricultural waste and straw processing capacity: 3,156,000 tonnes Annual pellet production capacity: 116,000 tonnes	5,285

65

Environmental Equipment Manufacturing

Operating project:

Project Name	Year of Commercial Operation	Total investment (RMB 'mil)
Changzhou Environmental Protection Equipment Manufacturing Centre Phase I	Sept 2012	89
Total		89

Project under construction :

Project Name	Year of Commercial Operation (expected)	Total investment (RMB 'mil)
Changzhou Environmental Protection Equipment Manufacturing Centre Phase II	1H 2015	120
Total		120

66