

2014 Interim Results Presentation

August 2014

CHINA EVERBRIGHT INTERNATIONAL LIMITED

中國光大國際有限公司

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Agenda

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



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Results Highlights

Results Highlights (1)

- ◆ **Remarkable achievements in operating results**
 - Turnover amounted to HK\$2,943,765,000, an increase of 19% as compared to the same period of 2013
 - EBITDA on recurring basis amounted to HK\$1,298,725,000, an increase of 20% as compared to the same period of 2013
 - Profit attributable to equity shareholders during the period was HK\$801,866,000, a growth of 23% as compared to the same period of 2013
 - Dedicated to pursuing business development and sharing the results with shareholders, the Board declared an interim dividend of HK5.0 cents per share, an increase of 43% as compared to the same period of 2013

Results Highlights (1) (Cont'd)

- ◆ **Remarkable achievements in operating results**
 - Abundant cash on hand, reasonable gearing level and healthy financial position
 - Gearing ratio of 41%
 - HK\$4,907,335,000 cash on hand, increased by 72% as compared to the same period of 2013
 - Bank loan facilities amounted to HK\$10,983,006,000, of which amounted to approximately HK\$4,016,767,000 have not been utilized
 - Strong financial resources will further boost the Group's new development

Results Highlights (2)

- ◆ **Outstanding performance in market expansion**
 - ➔ **From coastal cities to inland cities:**
 - Gradual expansion from Shanxi, Anhui and Hunan to other inland cities
 - ➔ **From cities to rural areas:**
 - Developed broader market through 3 showcase projects for the collection-storage-transportation system of agricultural waste and straws in Jiangsu Province
 - ➔ **From domestic markets to overseas markets**
 - Seize to expand the overseas market by different ways and channels

Results Highlights (2) (Cont'd)

- ◆ **Remarkable results in market expansion**
 - Continued to develop new business fields:
 - Wind power generation, agricultural biomass and industrial hazardous waste treatment etc.
 - Continued to expand in new regions:
 - Ma'anshan, Yiyang, Gaochun, Tengzhou, Xuyi and Guanyun etc.
 - The total investment amount of new projects exceeded aggregate of last year:
 - Secured 11 new projects (7 waste-to-energy projects, 1 hazardous waste treatment project, 3 biomass integrated utilization projects);
 - Commenced 2 wind power generation projects
 - Commanding a total investment of RMB4.58 billion

Results Highlights (3)

◆ Enhancing operating management

- Operating profits increased, driven by revenue increase, expenditure reduction, energy conservation and consumption reduction
 - Electricity generated per tonne of waste hit record high, up 12% as compared to the same period of 2013
 - Power consumption reduced significantly in waste-to-energy plants and waste water treatment plants, down 3% and 9% respectively as compared to the same period of 2013
 - Power generation efficiency of biomass power generation project soared 45% as compared to the same period of 2013
- Completed price adjustments of Jiangyin, Yixing and Changzhou waste-to-energy projects
- Sanya, Nanjing, Pizhou and Ningbo waste-to-energy projects obtained subsidies of RMB100 million from National Development and Reform Commission

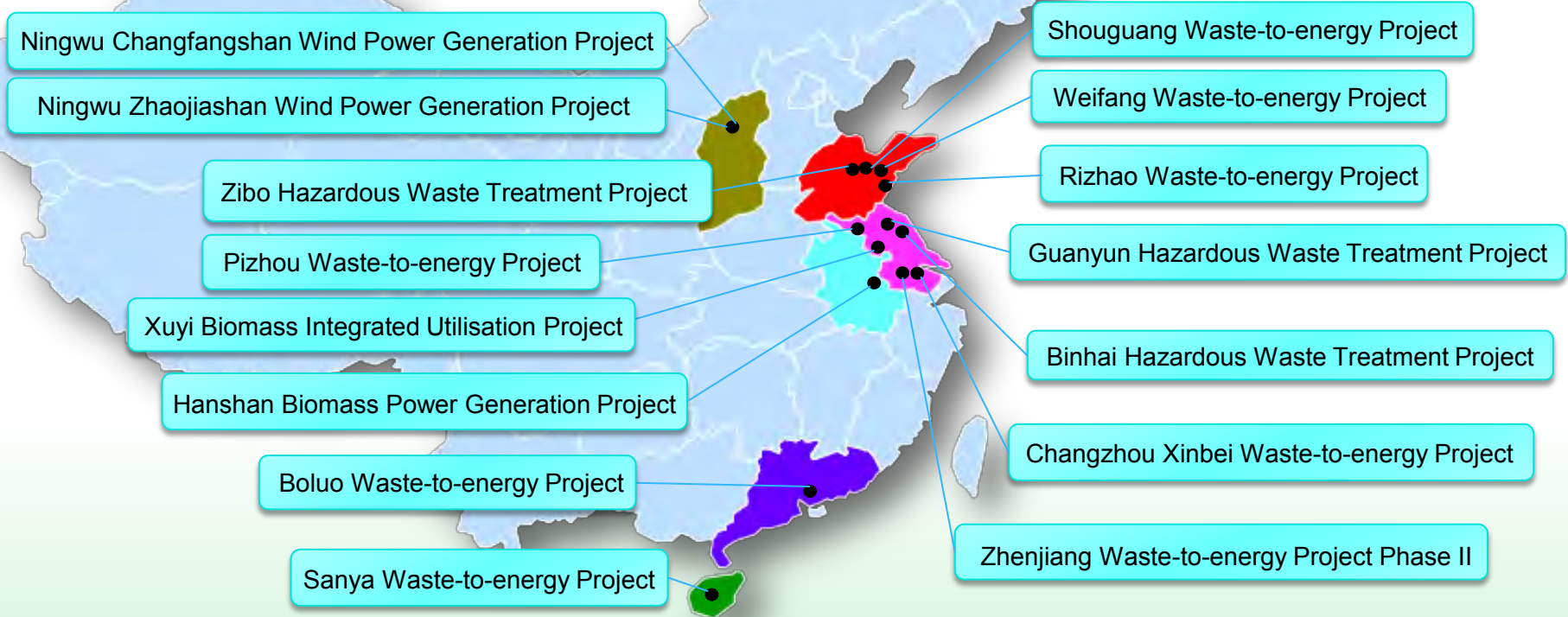
Results Highlights (4)

- ◆ **Project construction advances steadily**
 - Both the number of projects and contracts hit record high:
 - 35 projects under construction or in preparatory stage
 - Commanding a total investment of RMB11.035 billion
 - Projects completed construction and commenced operation:
 - Ningbo Waste-to-energy Project Phase I
 - Nanjing Waste-to-energy Project Phase I
 - Dezhou Ling County Waste Water Treatment Project (Plant 1) upgrade works
 - Zhangqiu Waste Water Treatment Project

Results Highlights (4) (Cont'd)

◆ Project construction advances steadily

- ➔ 15 projects under construction are advancing steadily and will become new growth drivers;



- ➔ Certain projects in preparatory stage will commence construction in the second half this year, which will support the Company's future development

Results Highlights (5)

- ◆ **Remarkable improvement in technological capability**
 - ➔ Developing technologies:
 - Development of large-scale waste incineration grate furnace
 - Leachate treatment system
 - Gas emission purification system
 - Rural biomass collection-storage-transportation system

Results Highlights (5) (Cont'd)

- ◆ **Remarkable improvement in technological capability**
 - ➔ Introduced MARTIN GmbH technology for re-modeling:
 - Further enhance various parameters of waste-to-energy and system operating
 - Markable technical advantage
 - World's leading grate furnace technology
 - ➔ Granted 7 new patents
 - ➔ Cooperated with national ministries and participated in the formulation of standards and regulations relating to environmental protection technology

Results Highlights (6)

- ❖ Equipment manufacturing advancing in full gear
 - ➔ Successful registration of Everbright Environmental Protection trademark 
 - ➔ Expansion of Changzhou Environmental Protection Equipment Manufacturing Project Phase II
 - ➔ Kept up with the progress of projects under construction:
 - Completed the unit assembly commissioning of 4 incinerators and 1 set of 750-tonne/day prototypes
 - Completed the supply of 3 sets of gas purification systems and a complete set of leachate equipment
 - Completed the major overhaul for 6 incinerators and B-Level maintenance of 2 incinerators
 - ➔ Successfully opened the external market of leachate treatment systems

Results Highlights (7)

- ◆ **In-depth enhancement of HR strategy and internal management**
 - ➔ **People oriented and systematic management:**
 - Completed company-wide competitive selection of middle management
 - Built up a talent pipeline to ensure employees' development being in line with the Group's new round of growth
 - Launched the fourth Tsinghua University CEO class (28 people) and the third Master Program of Engineering (27 people)
 - More than 200 people participated in execution training
 - Implemented on-site management to enhance execution
 - ➔ **Optimized and strengthened supervisory mechanism**

Results Highlights (8)

◆ Continuous enhancement of social benefits

- ➔ Established “Everbright International Environmental Protection Charitable Foundation”:
 - Supported “Earth Hour 2014”, a major environmental protection event organized by WWF-Hong Kong
 - Became a Double Diamond member of WWF-Hong Kong to support the promotion of environmental conservation and education and the reduction of Hong Kong’s ecological footprint
- ➔ Established strategic cooperation with China Ecological Civilization Research and Promotion Association and Chinese Society for Environmental Sciences to strengthen the promotion and education of environmental protection in China

Results Highlights (9)

◆ Rising brand value

- ➔ Included for the first time as a constituent stock of the Hang Seng Mainland 100 Index
- ➔ *Corporate Governance Asia* magazine:
 - Chen Xiaoping, CEO of the Group – Asia's Best CEO
 - Best Investor Relations Company
- ➔ *International Financing* magazine:
 - Top 10 Green Innovation Enterprises 2014

Results Highlights (10)

- ◆ **Evolving from a traditional company to a high-tech company, and transferring from an environmental protection company to a low-carbon industry player**
- ◆ **Establish the leading position in the PRC environmental industry by mature technology and advance management**

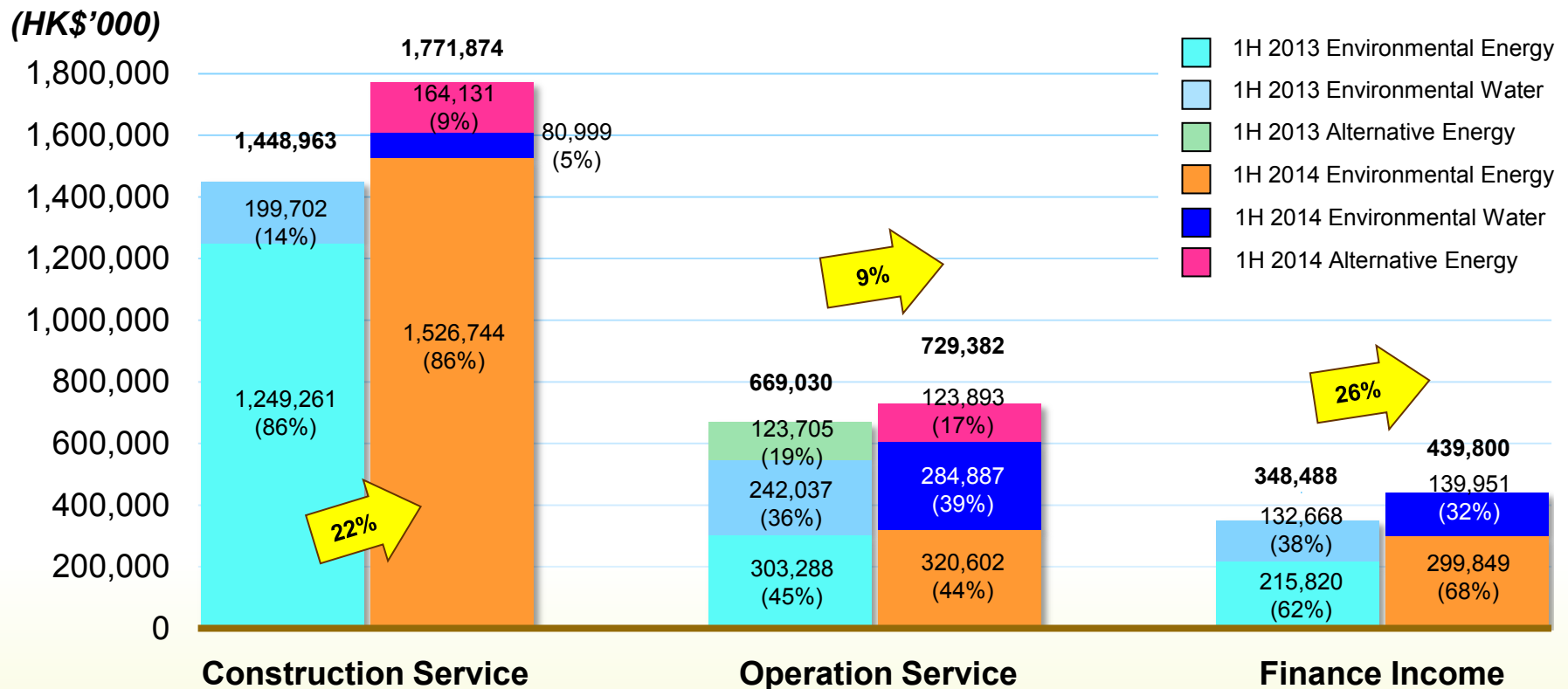


Financial Review

Financial Review

(HK \$'000)	For the six months ended 30 June		Change
	2014	2013	
Turnover	2,943,765	2,466,736	19%
Gross profit	1,351,534	1,145,719	18%
EBITDA on recurring basis	1,298,725	1,077,957	20%
Profit attributable to equity shareholders	801,866	650,204	23%
Basic EPS	HK17.88 cents	HK16.08 cents	11%
Interim dividend per share	HK5.0 cents	HK3.5 cents	43%

Turnover Analysis of Environmental Protection and Alternative Energy Businesses

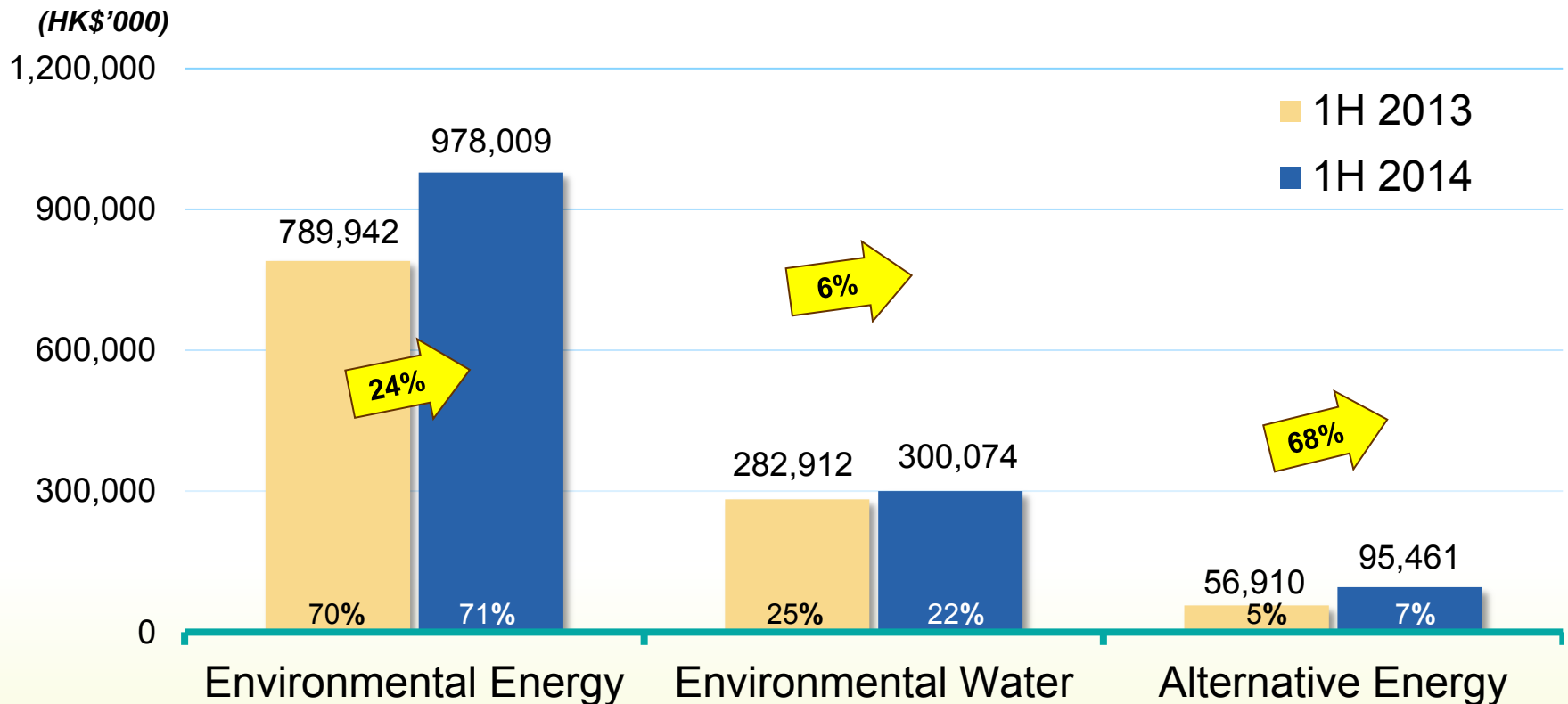


Turnover of Environmental Protection and Alternative Energy Businesses:

1H 2014: HK\$2,941,056,000 (up 19%)

1H 2013: HK\$2,466,481,000

EBITDA Analysis of Environmental Protection and Alternative Energy Businesses



EBITDA of Environmental Protection and Alternative Energy Businesses:

1H 2014: HK\$1,373,544,000 (up 22%)

1H 2013: HK\$1,129,764,000

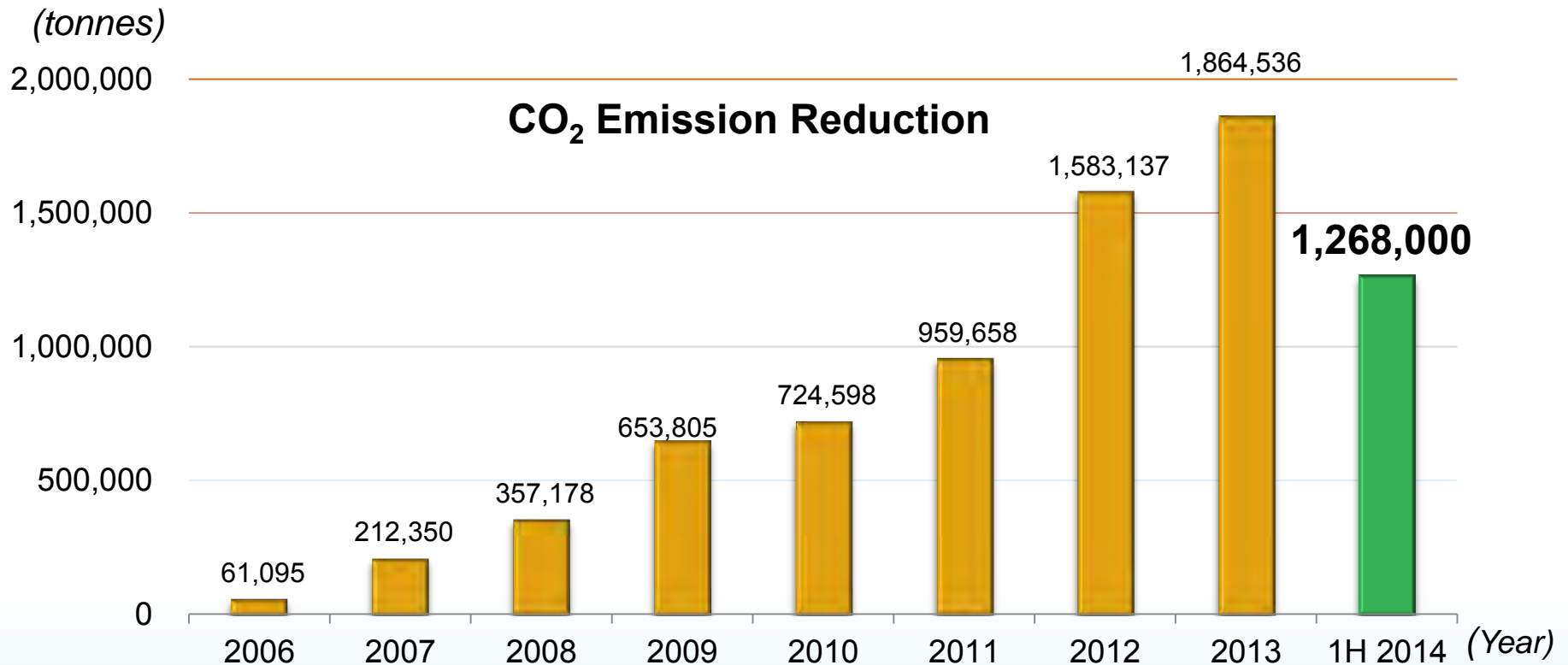
Key Financial Figures

	As at 30/06/2014	As at 31/12/2013	Change
Total assets (HK\$ 'Mil)	24,115	23,471	3%
Total liabilities (HK\$ 'Mil)	9,976	9,692	3%
Shareholders' equity (HK\$ 'Mil)	13,665	13,374	2%
Cash on hand (HK\$ 'Mil)	4,907	5,815	-16%
Current ratio (%)	189	231	-42ppt
Gearing ratio (%) (Total liabilities/Total assets)	41	41	-



Energy Conservation and Emission Reduction

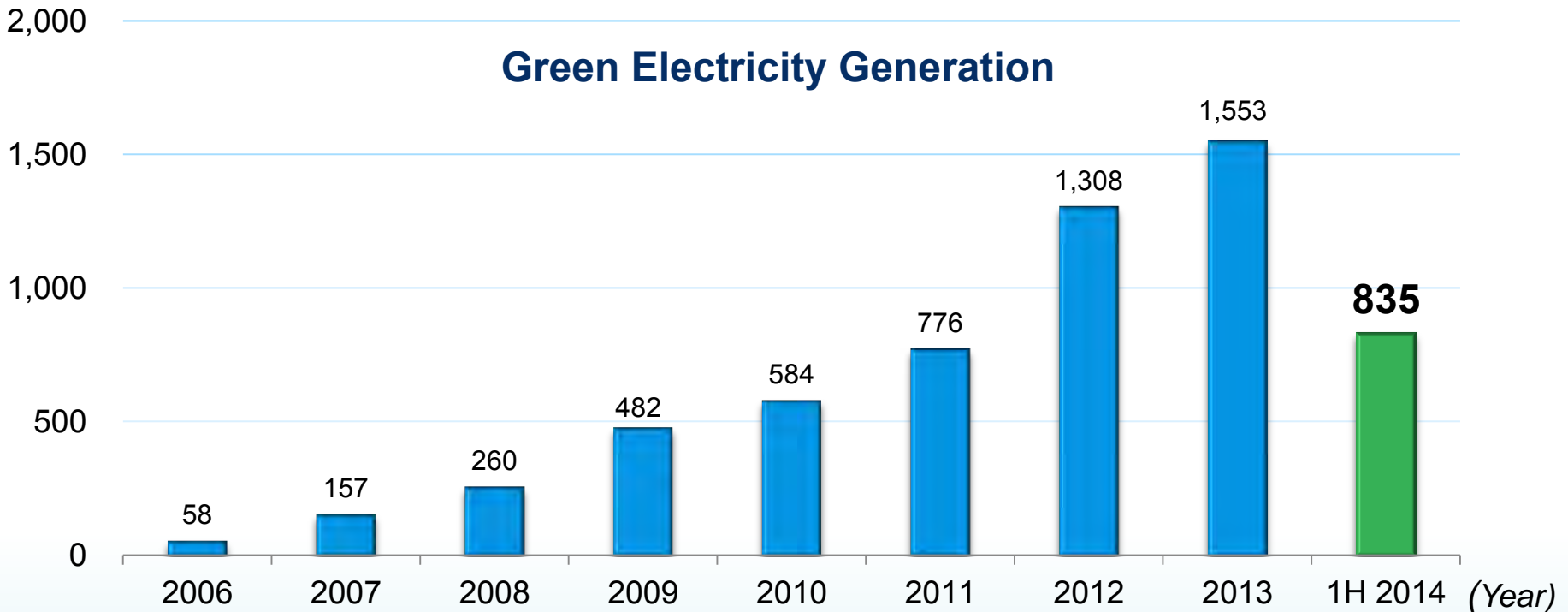
Energy Conservation & Emission Reduction (1)



- ◆ In 1H2014, the Group generated green electricity of 835 million kWh, equivalent to standard coal saving of 334,000 tonnes and hence reduced CO₂ emission of 1.268 million tonnes. Since the operation of its first environmental protection project in 2005, the accumulated green electricity generation reached 6.013 billion kWh, equivalent to standard coal saving of 2.405million tonnes and reduction of CO₂ emission of approximately 7.684 million tonnes.

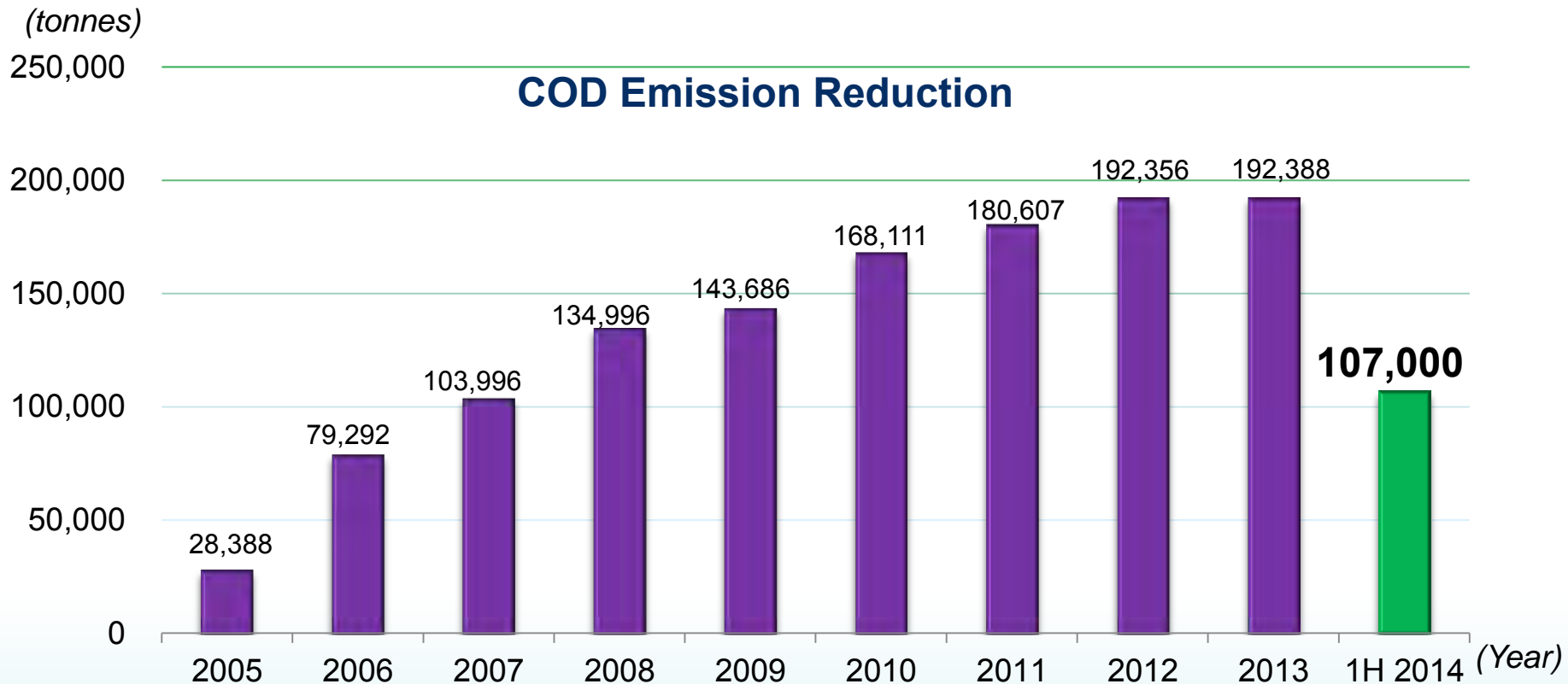
Energy Conservation & Emission Reduction (2)

(million kWh)



- ◆ In 1H 2014, green electricity generated by waste-to-energy, methane-to-energy and biomass power generation projects was 835 million kWh which fulfilled the annual electricity consumption of approximately 696,000 households. Since the operation of its first environmental protection project in 2005, the accumulated green electricity generation reached 6.013 billion kWh which fulfilled the annual electricity consumption of approximately 5.011 million households.

Energy Conservation & Emission Reduction (3)



- ◆ In 1H 2014, the Group treated waste water and leachate of 276 million m³ and 472,000 m³ respectively which reduced COD emission of approximately 107,000 tonnes. Since the operation of its first environmental protection project in 2005, the accumulated waste water and leachate treatment volume reached 3.456 billion m³ and 3.115 million m³ respectively and COD emission reduction was approximately 1.33 million tonnes.

Business Overview

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



Environmental Energy (1)

- ◆ 12 waste-to-energy projects, 3 industrial and hazardous solid waste treatment projects and 2 methane-to-energy projects are in operation
- ◆ 19 waste-to-energy projects and 6 hazardous waste treatment projects are under construction or in preparatory stage
- ◆ Commanding a total investment of RMB15.354 billion

Environmental Energy (2)

◆ Designed capacity :

- ➔ annual household waste processing capacity of 9.80 million tonnes (11.70 million tonnes including phase II projects that have not been activated)
- ➔ annual on-grid electricity generation capacity of 2.951 billion kWh
- ➔ annual hazardous solid waste incineration processing capacity of 58,500 tonnes, physico-chemical processing capacity of 50,000 tonnes
- ➔ annual industrial and hazardous solid waste landfill capacity of 131,650 tonnes

Environmental Water (1)

- ◆ 20 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
- ◆ 1 waste water treatment project and 1 reusable water project are under construction or in preparatory stage
- ◆ Commanding a total investment of RMB3.812 billion

Environmental Water (2)

◆ Designed capacity:

- Annual waste water treatment capacity of 668 million m³
- Annual reusable water supply of 22.33 million m³
- Provide heating and cooling services for an area of 312,000 m²

Alternative Energy (1)

- ◆ 8 photovoltaic energy projects and 1 biomass power generation project are in operation
- ◆ 1 biomass power generation under construction and 4 biomass power generation projects have been secured
- ◆ 3 biomass integrated utilization projects and 2 wind power generation projects under construction or in preparatory stage
- ◆ 19 projects commanding a total investment of RMB4.033 billion

Alternative Energy (2)

◆ Designed capacity:

- ➔ annual agricultural waste treatment capacity of 2.064 million tonnes
- ➔ annual electricity generation of 1.358 billion kWh
- ➔ Annual heat volume of 1.652 million tonnes

Environmental Protection Industrial Park

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

Environmental Equipment Manufacturing

- ◆ Equipment Manufacturing Centre proceeded vigorously
 - ➔ manufacture of grate furnaces, sludge treatment equipment and emission purification equipment etc
 - ➔ with large number of orders and reach full production capacity
 - ➔ activated expansion to meet future needs

Environmental Protection Engineering

- ◆ National High Tech Enterprise
- ◆ Possess the "Main Contractor for Municipal Public Works" License
- ◆ Obtained numerous national and provincial golden or silver awards for quality
- ◆ 35 projects are under construction or in preparatory stage, commanding a total investment of RMB11.035 billion

Environmental Protection Technology

- ◆ National High Tech Enterprise
- ◆ Obtained numerous invention and application patents
- ◆ Possess numerous significant R&D results
- ◆ Continue to strengthen the R&D development
- ◆ Continue to introduce advanced environmental protection technology

Corporate Positioning



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

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



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Q & A



Thank You



Appendix Project Summary

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
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
Suzhou Waste-to-energy Project Phase III	1,500	750
Ningbo Waste-to-energy Project Phase I	1,000	560
Nanjing waste-to-energy Project Phase I	2,000	1,030
Sub-total	12,650	6,162

Environmental Energy (2)

Projects under construction or in preparatory stage:

Project Name	Daily waste processing capacity (tonne)	Total Investment (RMB'mil)
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
Boluo Waste-to-energy Project Phase I & Ecological Park	700	447
Huidong Waste-to-energy Project	600	334
Yixing Waste-to-energy Project Phase II	300	151
Wujiang Waste-to-energy Project	1,500	890
Sub-total	5,000	2,916

Environmental Energy (3)

Projects under construction or in preparatory stage:

Project Name	Daily waste processing capacity (tonnes)	Total Investment (RMB'mil)
Weifang Waste-to-energy Project Phase I	1,000	586
Ningbo Ninghai Waste-to-energy Project Phase I	700	360
Rizhao Waste-to-energy Project Phase I	600	350
Heze Waste-to-energy Project Phase I	600	350
Zhenjiang Waste-to-energy Project Phase II	400	200
Ma'anshan Waste-to-energy Project Phase I	800	450
Yiyang Waste-to-energy Project	800	372
Changzhou Xibei Waste-to-energy Project Phase I	800	420
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
Tengzhou Waste-to-energy Project Phase I	600	339
Sub-total	9,200	4,956

Environmental Energy (4)

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	40,000	78
Suzhou Industrial Solid Waste Landfill Project Phase II	370,000		40
Suqian Hazardous Solid Waste Landfill Project Phase I	340,000	20,000	99
Sub-total	852,000	60,000	217

Environmental Energy (5)

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

Project Name	Designed Storage Capacity (m ³)	Annual Processing Capacity (tonnes)	Total Investment (RMB'mil)
Binhai Hazardous Solid Waste Landfill Project	600,000	30,000	186
Guanyun Hazardous Solid Waste Landfill Project Phase I	300,000	20,000	139
Zibo Integrated Hazardous Solid Waste Treatment Project	N/A	Incineration processing capacity: 40,000 Physico-chemical processing capacity: 50,000	400
Sub-total	900,000	Landfill capacity: 50,000 Incineration processing capacity: 40,000 Physico-chemical processing capacity: 50,000	725

Environmental Energy (6)

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

Project Name	Designed Storage Capacity (m ³)	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
Sub-total	500,000	Landfill: 20,000 Incineration processing capacity: 18,500 Medical waste treatment capacity: 1,650	337

Environmental Energy (7)

Operating Projects:

Project Name	Average annual electricity generation capacity (kWh)	Total investment (RMB 'mil)
Suzhou Landfill Methane-to-energy Project Phase I	18,000,000	28
Suzhou Landfill 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: 26,850 tonnes Solid waste/hazardous waste landfill capacity: 2,252,000 m ³ (130,000 tonnes/annual) Annual hazardous solid waste incineration processing capacity: 58,500 tonnes Annual physico-chemical processing capacity: 50,000 tonnes Annual medical waste treatment capacity: 1,650 tonnes	15,354

Environmental Energy (8)

Expansion projects planned in the concession agreements:

Project Name	Daily waste processing capacity (tonnes)
Ningbo Waste-to-energy Project Phase II	500
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
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
Total	5,250

Environmental Protection Industrial Park

Industrial Park	Investment (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\$2-3billion	>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

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

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 (4 waste water treatment plants and upgrade projects)	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

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
Subtotal	Daily waste water treatment: 30,000 Service area: 312,000m²	226

Environmental Water (4)

Transferred Project:

Project Name	Daily treatment capacity (m ³)	Total investment (RMB 'mil)
Xinyi BT 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

Environmental Water (5)

Projects under construction or in preparatory stage:

Project Name	Daily waste water treatment capacity (m ³)	Total investment (RMB 'mil)
Dezhou Nanyunhe Waste Water Treatment Project Phase II	75,000	80
Zibo Reusable Water Project Phase II	annual supply: 1,750,000	11
Sub-total	Daily waste water treatment: 75,000 Annual reusable water supply: 1,750,000	91
Total for Environmental Water	Annual waste water treatment: 667,950,000 Annual reusable water supply: 22,330,000 Service area: 312,000 m²	3,812

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
Dangshan Biomass Power Generation Project	184,000,000 annual agricultural waste and straw processing capacity: 274,000 tonnes	312
Sub-total	Electricity: 219,516,000 kWh Annual agricultural waste and straw processing capacity: 274,000 tonnes	1,042

Alternative Energy (2)

Projects under construction or in preparatory stage:

Project Name	Average annual electricity generation capacity (kWh)	Annual agricultural waste and straw processing capacity (tonnes)	Total investment (RMB 'mil)
Hanshan Biomass Power Generation Project	184,000,000	274,000	320
Xinyi Biomass Power Generation Project	184,000,000	274,000	321
Shuyang Biomass 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
Sub-total	Electricity: 908,250,000 Heat: 390,000 tonnes	1,370,000	1,621

Alternative Energy (3)

Projects under construction or in preparatory stage:

Project Name	Annual Heat Volume (tonnes)	Annual agricultural waste and straw processing capacity (tonnes)	Total investment (RMB 'mil)
Xuyi Biomass Integrated Utilization Project	520,000	150,000	172
Sucheng Biomass Integrated Utilization Project	350,000	120,000	175
Guangyun Biomass Integrated Utilization Project	392,000	150,000	175
Sub-total	1,262,000	420,000	522

Alternative Energy (4)

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: 1,357,766,000 kWh Heat: 1,652,000 tonnes Annual agricultural waste and straw processing capacity: 2,064,000 tonnes	4,033

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 in preparatory stage :

Project Name	Total investment (RMB 'mil)
Changzhou Environmental Protection Equipment Manufacturing Centre Phase II	120
Total	120