



国家能源集团
CHN ENERGY

龙源电力
LONGYUAN POWER



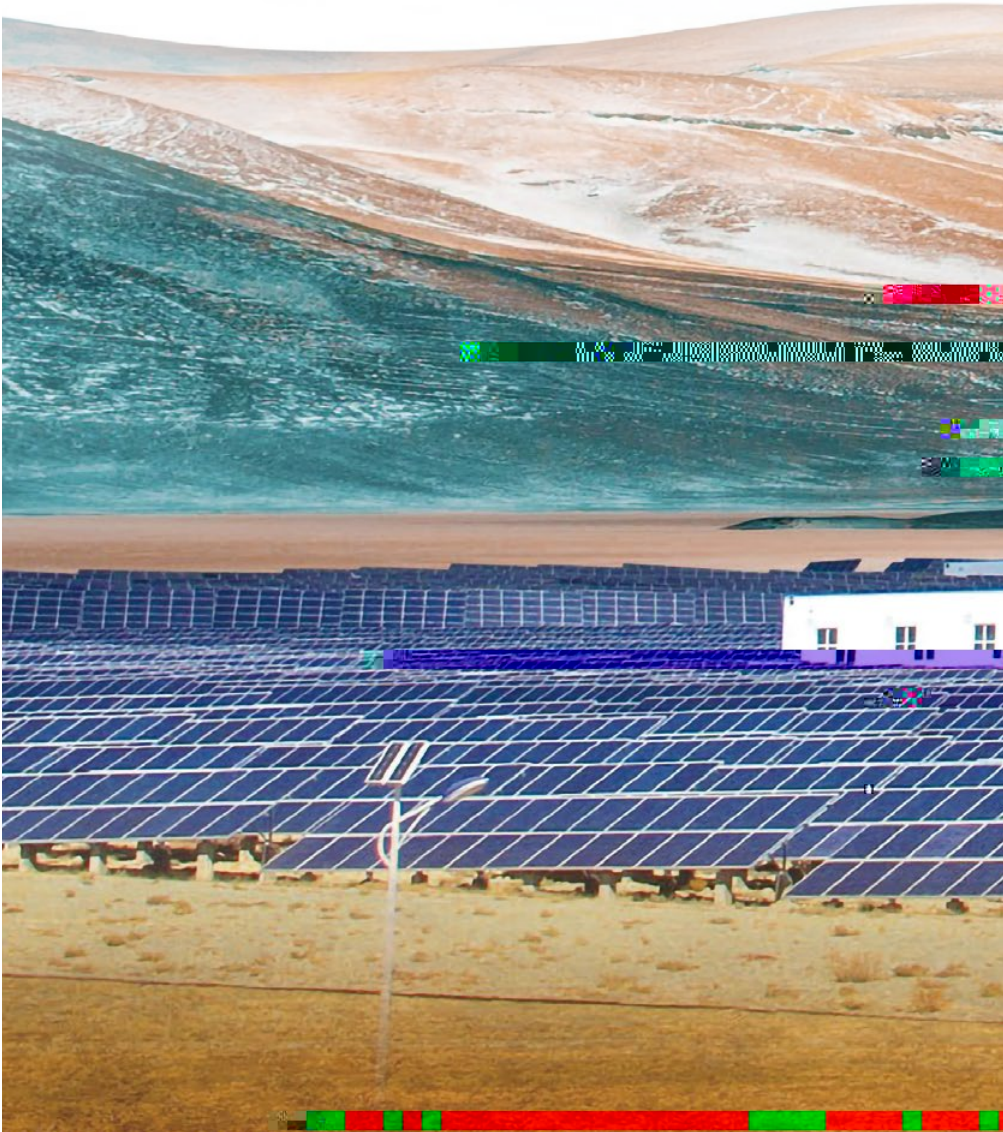
2023

ESG

ESG

04	“ ”	“ ”
06	18	26
08		
14	20	28
	22	30
	24	

“ ”	62
	64
	66
	66
SDGs	74
	77
	79
	81



“ ”

“ ”

“ ”

32

44

54

34

46

56

37

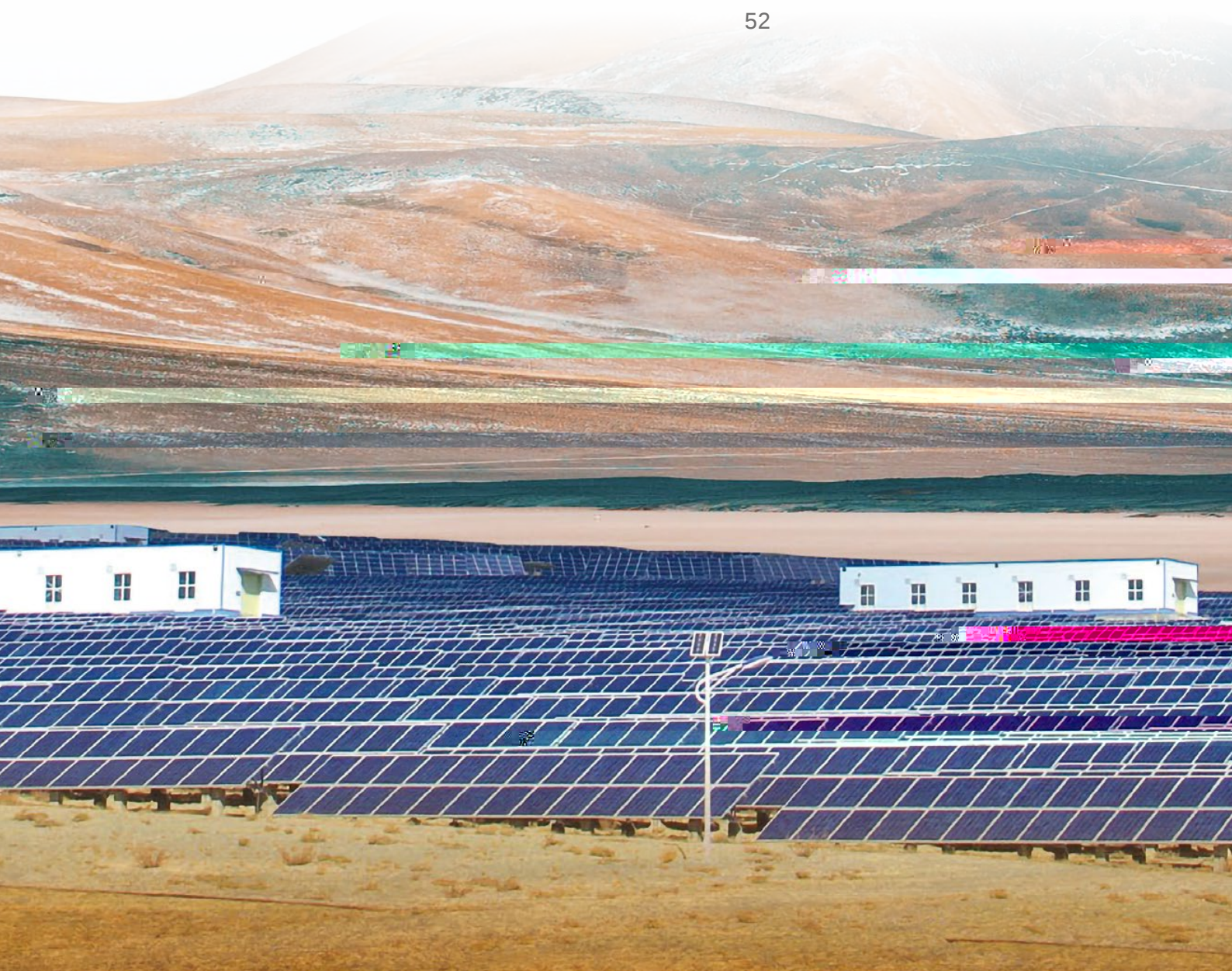
47

58

41

49

52



13
2022 “ ” “ ESG
” 2 ESG

2023 1 1 2023 12 31

“ ” “
” “ ”

2023

2030

GRI

GRI Standards

ISO ISO26000

2010

ESG

CASS-ESG 5.0

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ESG

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ESG

ESG

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PDF

www.hkexnews.hk

<https://www.szse.cn>

<http://www.clypg.com.cn/>



ESG

ESG

ESG

2023

ESG

ESG

“

+ ”

1993 “ ”

2009

“ ” 2022 A “ A+H ”

31

2023	12	35,593.67
27,754.39		5,964.28
1,875.00		376.42
2,292.56		





2,292.56

1,177.99

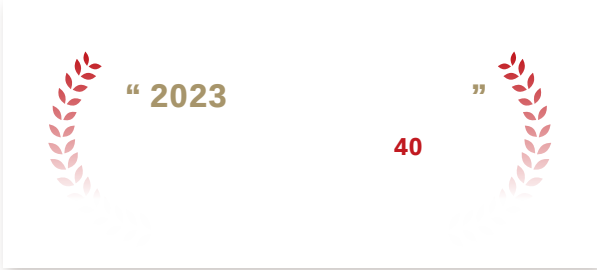
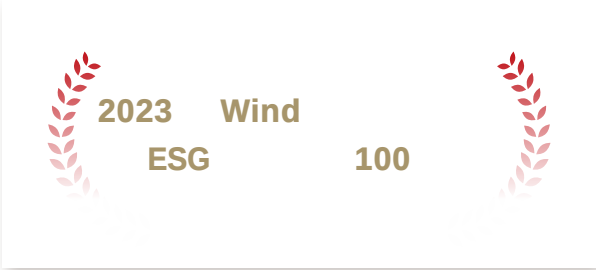
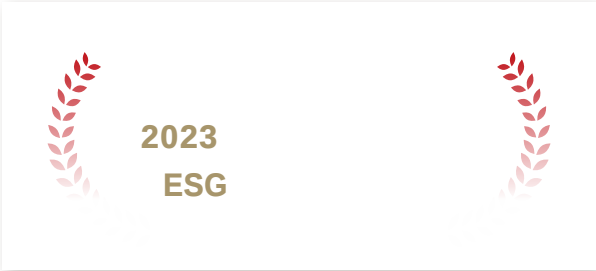
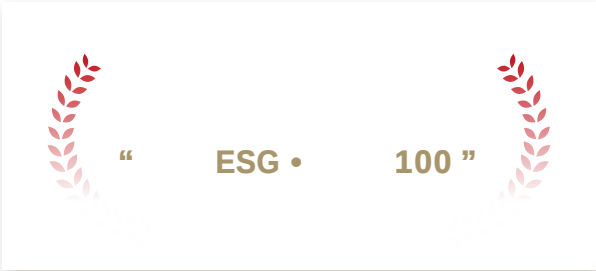
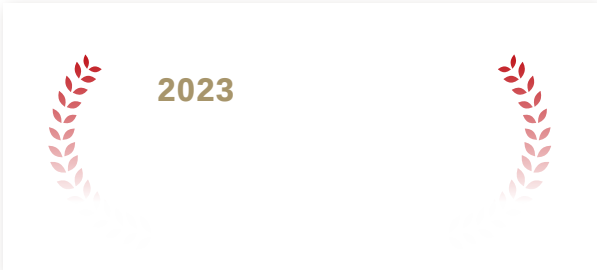
35,593.67

376.42

27,754.39

94.73%

2023



2023



5,480.09



2023



2022

»

2023



ESG

ESG “ ” 2023

ESG

ESG

ESG

ESG

ESG

ESG

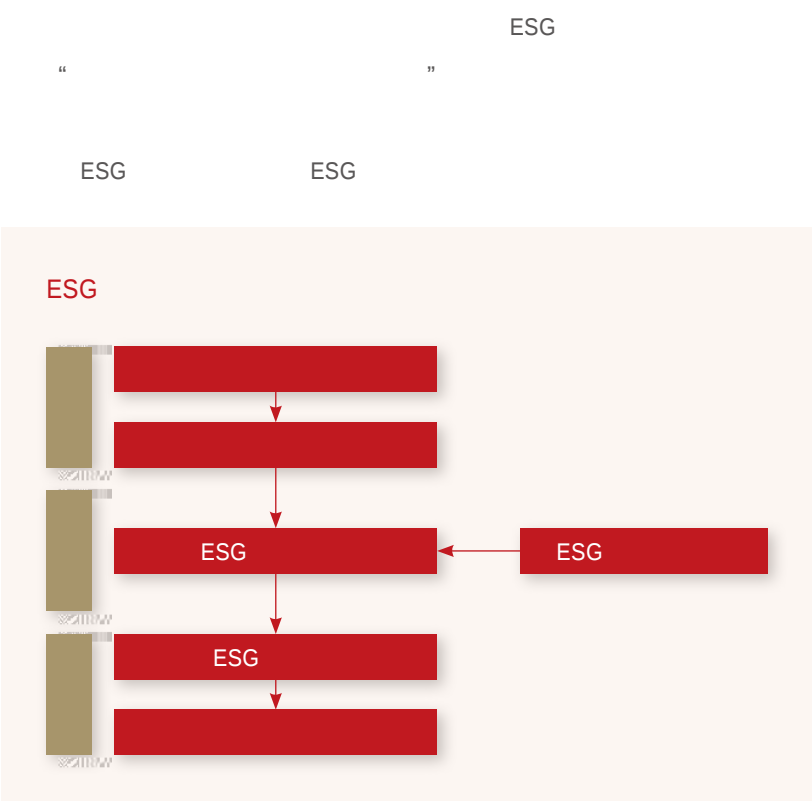
ESG

ESG



ESG

ESG



ESG



ESG

“ ”

ESG ”

ESG

	◆ ◆ ◆ ◆	◆ ◆ ◆
	◆ ◆ ◆	◆ ◆ ◆ ◆
	◆ ◆ ◆ ◆	◆ ◆ ◆ ◆
	◆ ◆ ◆	◆ ◆ ◆ ◆
	◆ ◆ ◆ ◆	◆ ◆ ◆ ◆ ◆
	◆ ◆ ◆ ◆	◆ ◆ ◆ ◆ ◆

“ ” “ _ _ ”

ESG

ESG

ESG

01	05
02	06
03	07
04	
08	12
09	13
10	14
11	
15	18
16	19
17	





源



7

3

1

12

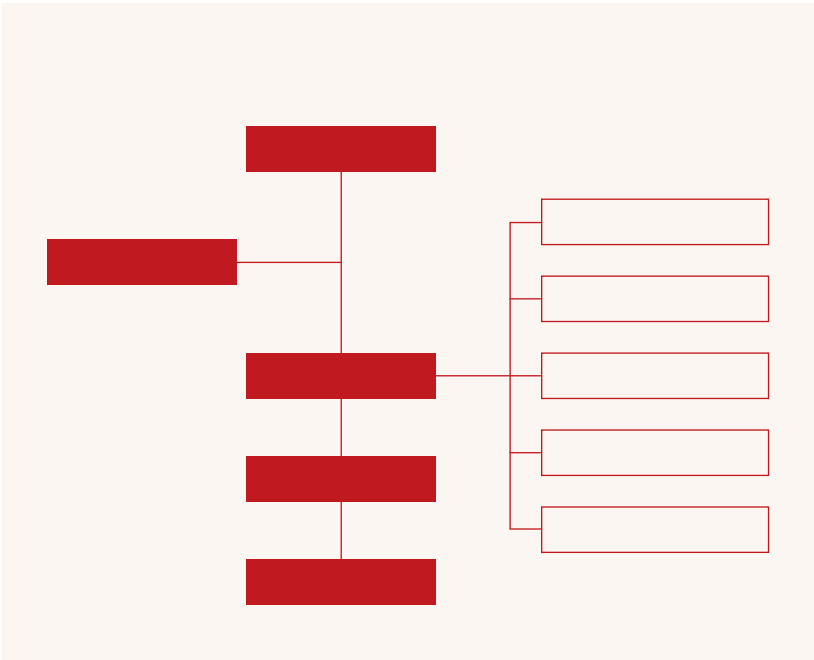
144

3

2

33

35



34

“ ”



ESG

86 10-6388 8199

86 10-6388 7780

lyir@ceic.com



“

”

“

”

“ 1+N ”

18



2023



“

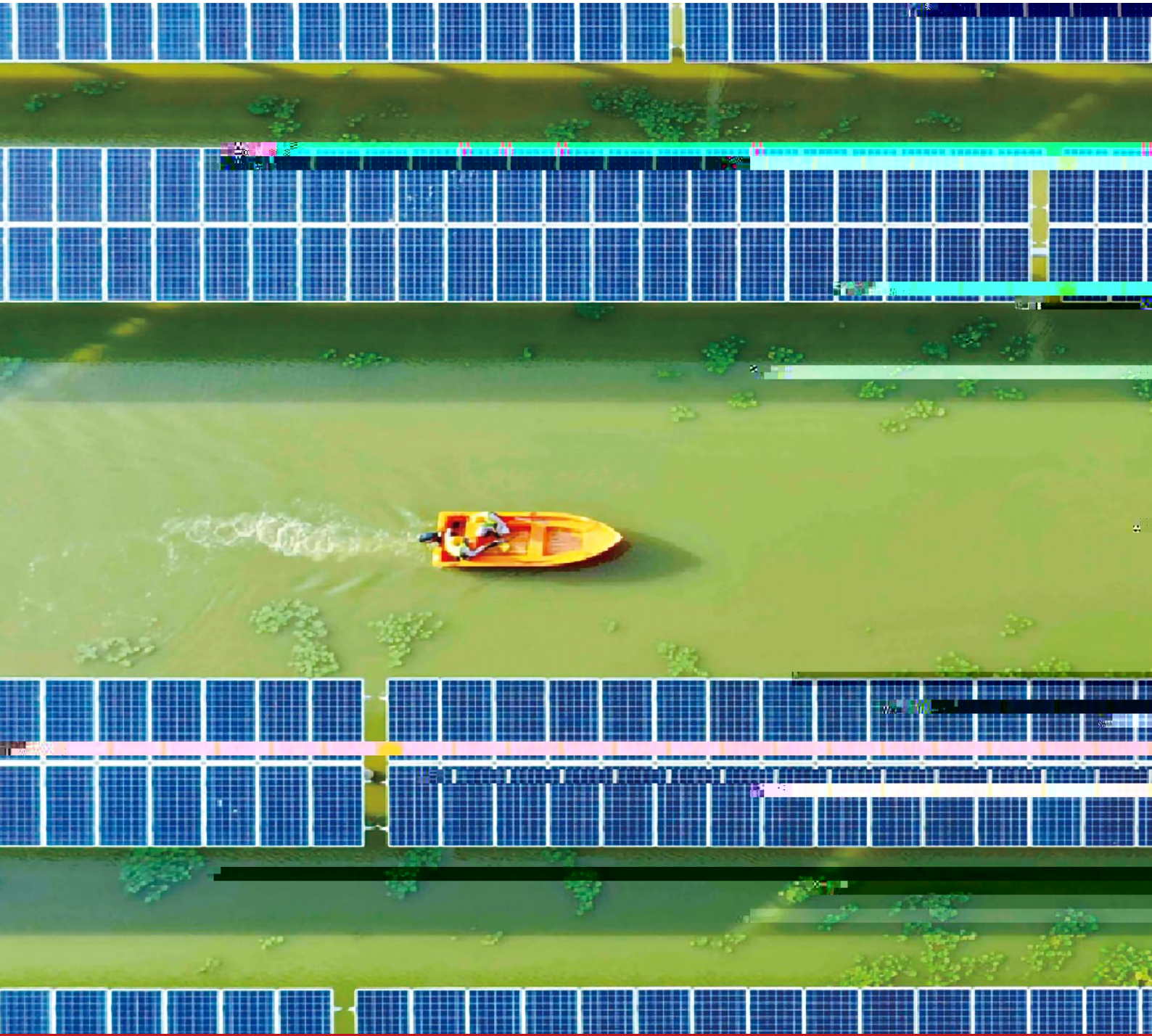
”

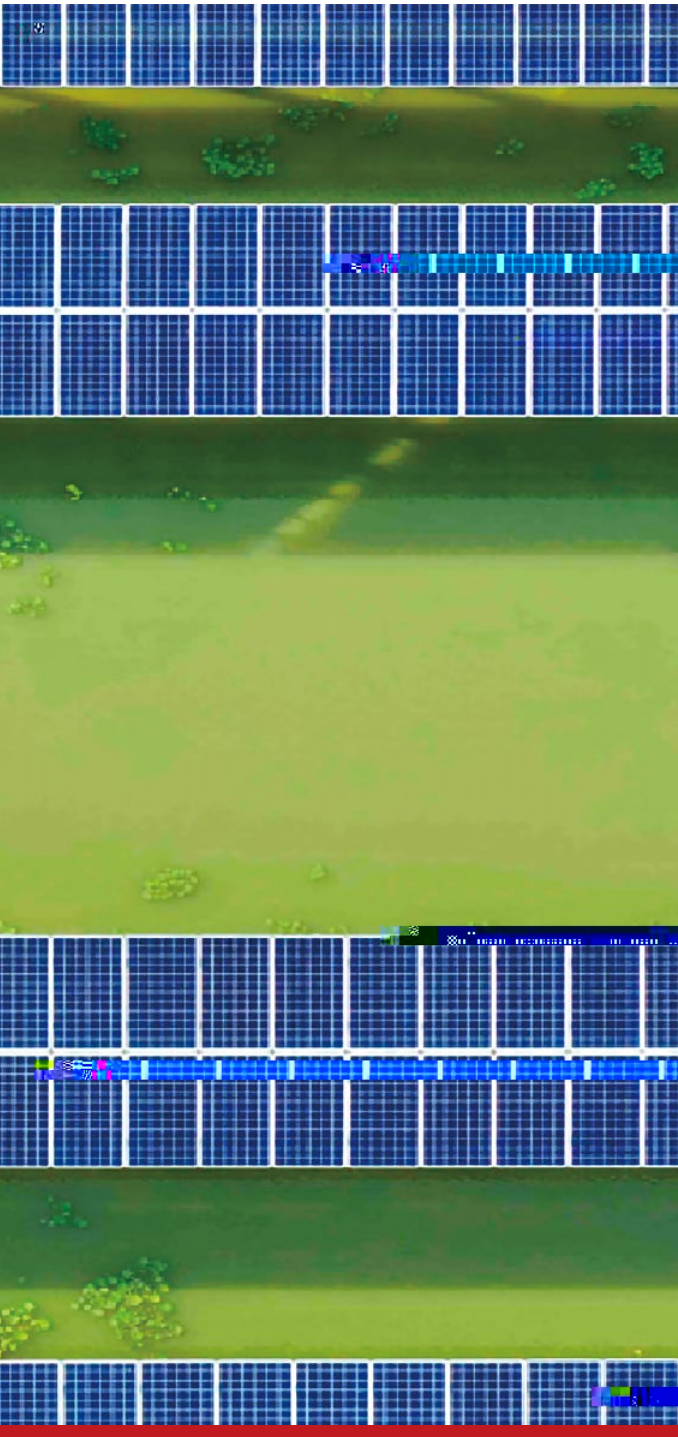
7 255 4,029



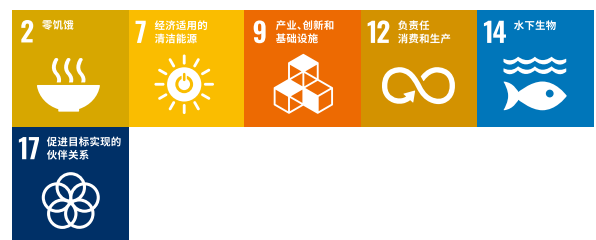
p0014898@ceic.com







源





“ + ”

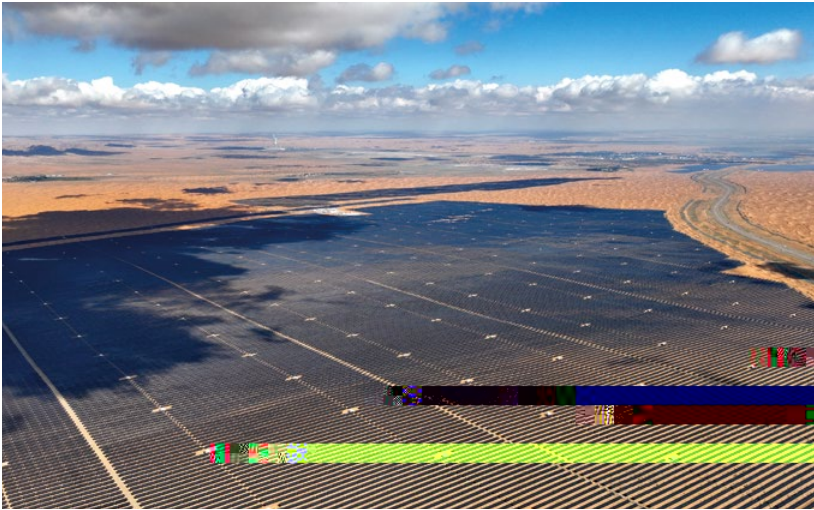
“ ”
2023 19,840
33,718 “ ”

19,840

4,509.83

27,754.39

- ◆ CZ8 50
- ◆ 100
- ◆ 200



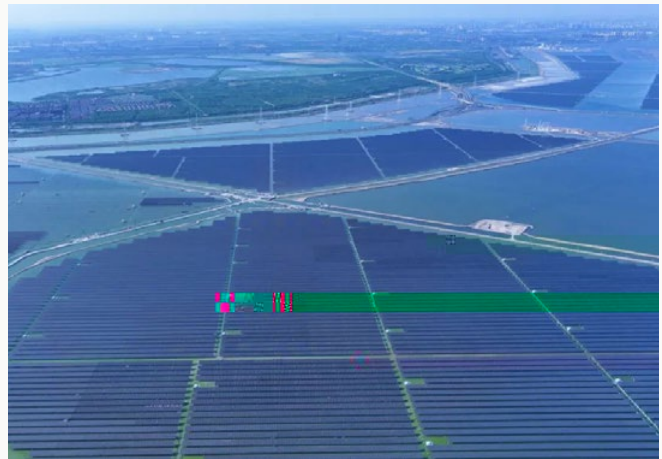
“ + ”

“ + ”

“ ”

7.7

32



“ ”



“ ”

2



“ ”

“ 1+1+4+N ”

“ ”

1

4

11

88

◆

“ ”

◆

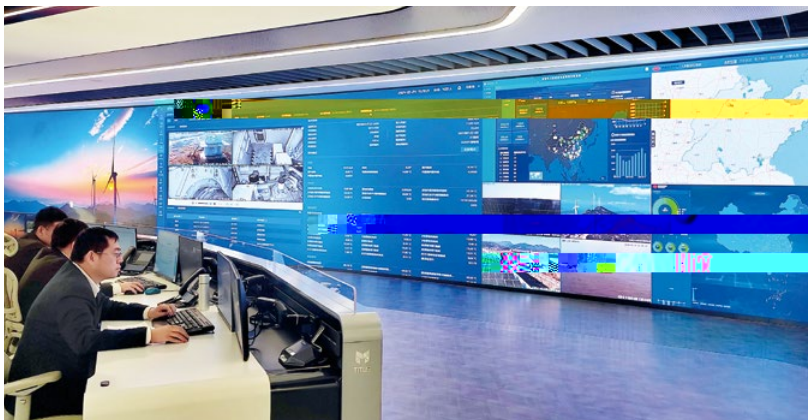
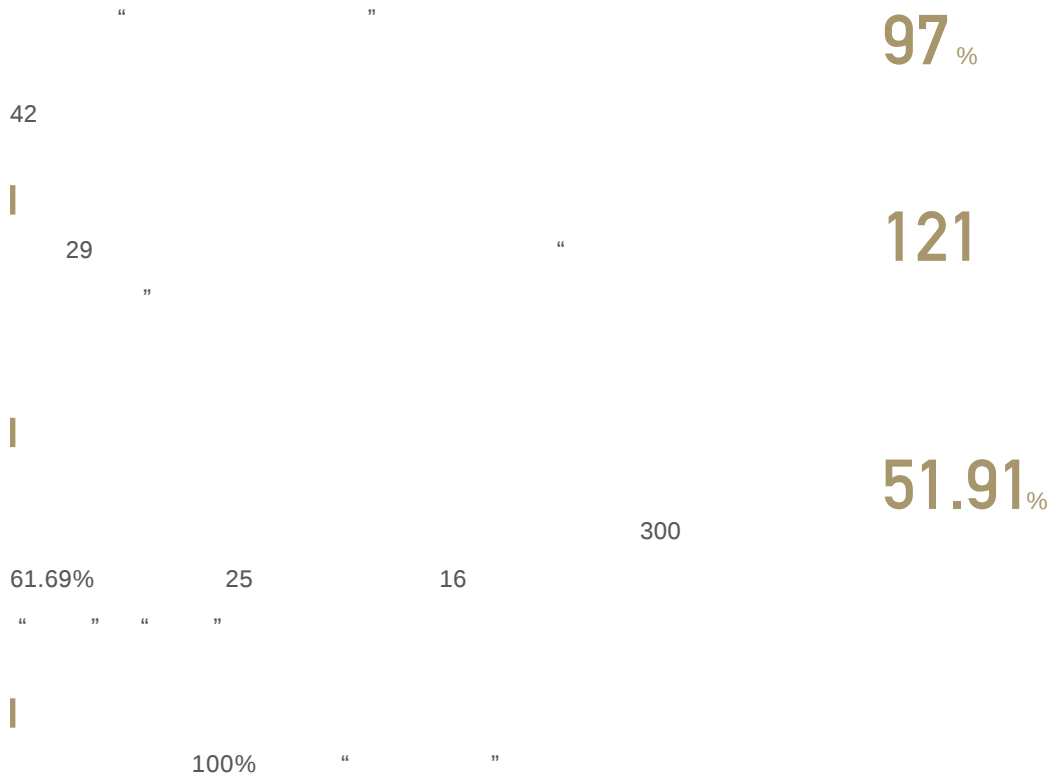
411

◆

◆

10

◆



“ ”





源





17

44



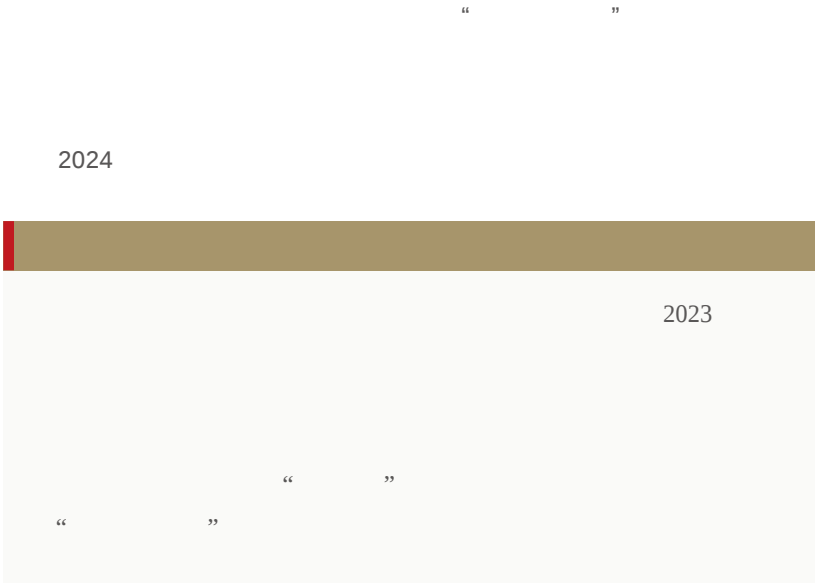
“ ” “ ” “ ”

936.89

100%

		2023		2022	
		)	/)	)	/)
		514.99	0.045	-90.15	-0.006
		1,201.13	0.106	-189.83	-0.012
		61.45	0.005	10.88	0.001
		9,105,953.00	882.378	56,981.00	114.378

“ ” 2022
2023
2023



38.81 /

100%

0.03 /

100%

“ ”

425

ESG

1,723,560



			◆
			◆
			◆
			◆
			◆
			◆
			◆
			◆
			◆
			◆
			◆ 14 15
			◆
			◆
			◆


$$+ \quad Y \quad \hat{I} \quad \tilde{U} \quad \{ \quad I \quad = = \neq \$ \quad \cdot \quad \mu \quad b \quad " \quad k$$

“ ”

2023 8

“ ”



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2023

0

10%

6,000







24

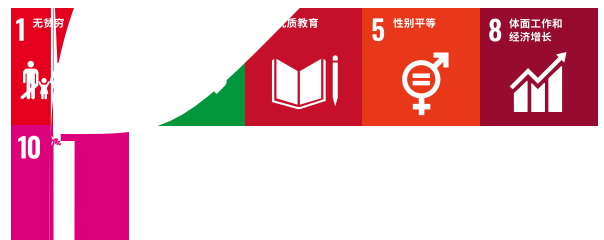
“ ”





源

45



0.01

CQE



100%

100%

25%

100%

3

2023

24



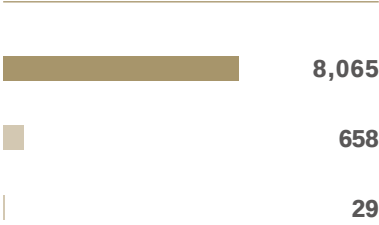
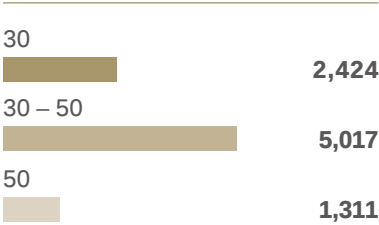
44 39

44 39

334

45%

8,752



5,411.08

2025

2023-

“”“”

		155.27
		61.49
		80.00
		96.55
		146.31
		85.75%
		14.25%
		0.10%
		8.54%
		91.36%

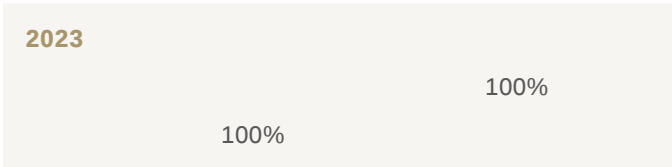
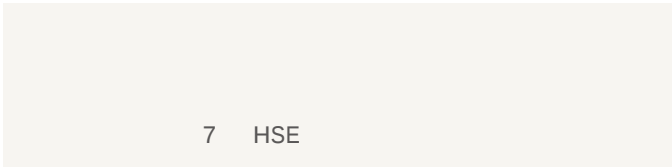
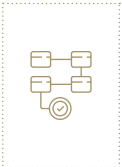
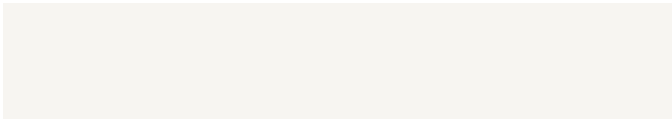
“”

2023

2976%



HSE



29,851.53

44 33

37,937

44 33

0.00%

44 33

44 33

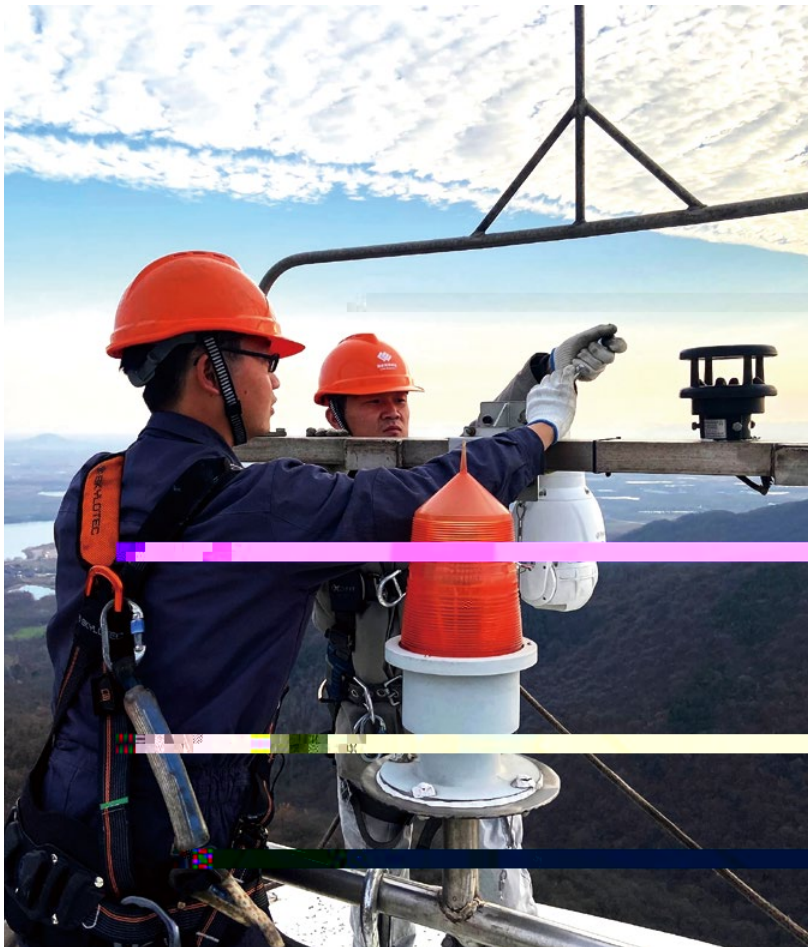
“ ”
“ ”

998

3 14

“ ”



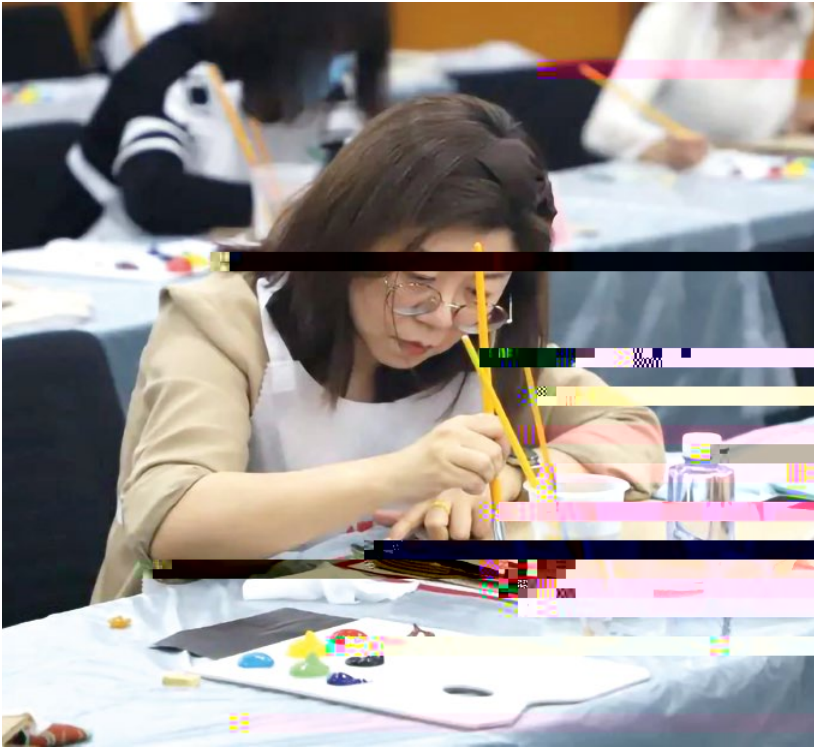




33

44

DIY



44

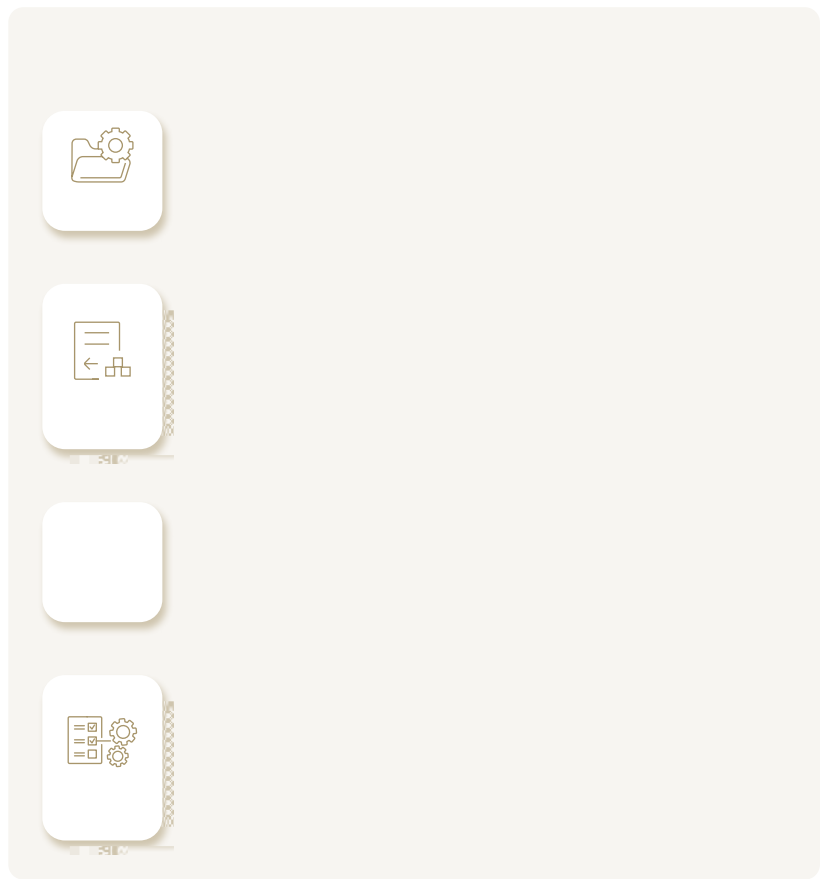
33

” 2023 65.72
131





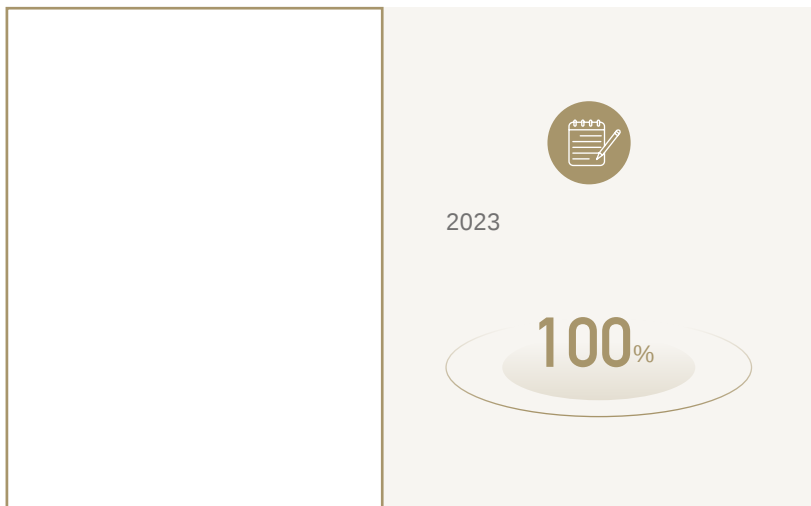




010-63887632

p0014519@ceic.com

/





“ ”

2023

11

12

16

“ ”

A group of approximately 20 people, mostly men wearing white hard hats and orange safety vests, are posing for a group photo. They are standing in front of a large, colorful, rectangular frame that has the letters "WWT" on top. The frame is decorated with a rainbow-colored ribbon. The background is a clear blue sky. The ground is muddy and uneven. At the bottom of the photo, there is a green banner with white text in Chinese and English: "中国风力发电 从陆上 到 海上" and "Chinese wind power moves from land to sea".

2023

822

“ ESG• ”

30

“

”

2023 8

40

“

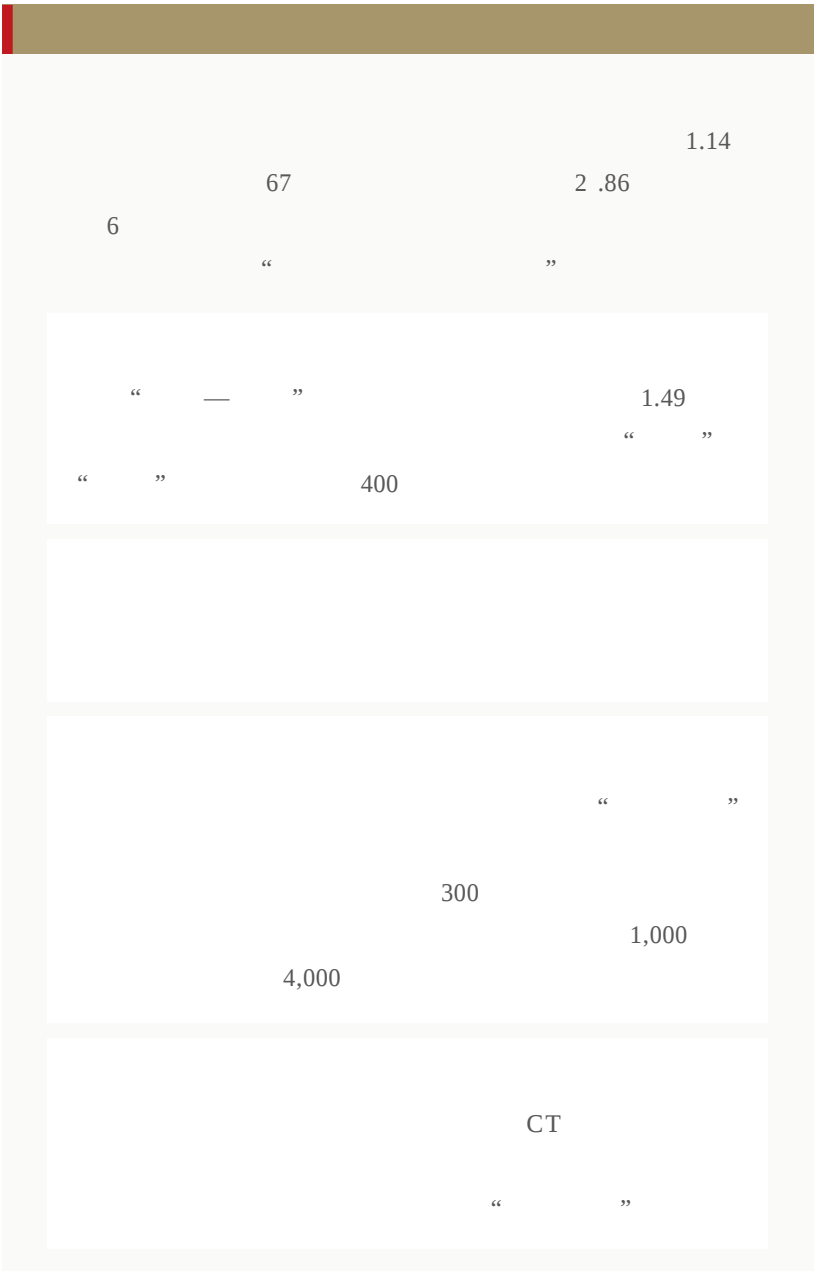
”



1,800

“ + + ”
“ ” “
” 6





2023 “ ”
“ ”

2011
244.5 25 832,622
69.23
30
“ ”

VERRA
2023 374
“ ”



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400

50

304

Mulilo

400

9,000

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SOS







2022

ESG

28

“ - ”

				2022	2023
				10	12
				11	12
				4	5
				1	1
				3	3
				1	1
				-	20,584
	%			-	49.03
	%			62.50	100.00
	%			99.06	100.00
	%			-	47.46
				0	0
				2022	2023
				-	3,743,601.30
				-	3,505,964.30
				-	105,198.62

2022			2023
		-	8,294.42
		-	869.69
		2,310,829.23	2,504,654.16
		-	126,241.70
		-	2,571,351.24
		-	466,939.41
	/	-	99.45
		9,403,675.35	9,368,888.28
	/	235.90	248.90
		10,230,711.00	9,950,660.00
1		10,226,674.00	9,948,567.66
2		4,037.00	2,092.34
	/	835.32	832.13
		605.14	514.99
		1,390.96	1,201.13
		50.58	61.45
		-	129,031.93
		0	0

2022			2023
		-	1,460,994.70
	/	-	38.81
		-	1,137.16
		209.70	298.07
		182.87	273.32
		129.95	186.07
		94.45	126.89
	/	-	0.03
		31,107.84	35,593.67
		26,191.84	27,754.39
		3,034.20	5,964.28
		18,367.00	19,840.00
		70,633,024.00	76,225,815.82
		60,060,361.00	65,906,020.00
		58,308,065.00	61,352,968.00
		1,752,296.00	4,553,052.00
	%	94.50	97.00
		2,296	2,346
		1,759.64	1,875.47
		5,016.94	5,480.09
		2.71	5.38
		0	0

100%

		2022	2023
		8,842	8,752
		0	0
		8,842	8,752
		8,159	8,065
		653	658
		30	29
		1,315	1,323
		7,527	7,429
30		2,273	2,424
30-50		5,229	5,017
50		1,340	1,311
		687	737
		5,570	5,695
		2,585	2,320
		8,811	8,721
		1	2
		30	29
	%	100	100
	%	100	100
		8,578	8,574
	%	100	100
		312	334

			2022	2023	
			7.42	7.76	
			228	194	
			%	2.58	2.22
			%	5.10	2.87
			%	2.14	2.10
30	%	-	1.73		
30-50	%	-	0.74		
50	%	-	8.77		
			%	-	4.21
			%	-	1.40
			%	-	3.58
			%	2.59	2.22
			%	-	3.45
			%	0.00	0.00
			95.73	65.72	
			126	131	
			4,291.99	5,411.08	
			7,610	8,016	
			%	86.07	91.59
			%	14.46	14.25

		2022	2023
		0	0
	%	46	51.91
		7,267	7,983
		7,150	7,801
		115	179
		2	3
		1,529	1,644
		-	540
		80	88
		44	45
		36	43
		-	15
		1.11	2.37
	%	0.28	0.63
		-	1
		1	1

		2022	2023
		2,833	2,622
		1,033	822
		1,800	1,800
		300	580
		950	340
		0	310
		250	240
		200	200
		100	130
		3,669	3,861
		19,889.20	5,009.00
		30.00	85.00
		127	122
		625.00	735.37
		13,914	9,088
		34,977.15	36,527.45

SDGs

SDGs

1 无贫穷 	◆	67	1.14	
	◆			2.86
2 零饥饿 	◆	“ + ”		
	◆	“ + ”		
	◆	10		
3 良好 健康与福祉 	◆	29,851.53	37,937	
	◆			
	◆	CT		
	◆		9,000	
	◆	3 “ ”		
4 优质 	◆			5,411.08
	◆	“ ”	400	
	◆			34
	◆	41		
	◆	4		
5 性别平等 	◆			
	◆			



7 经济适用的
清洁能



66

65,906,020

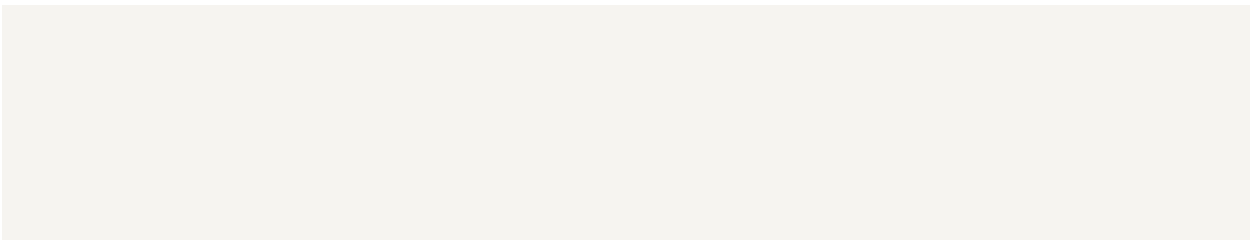
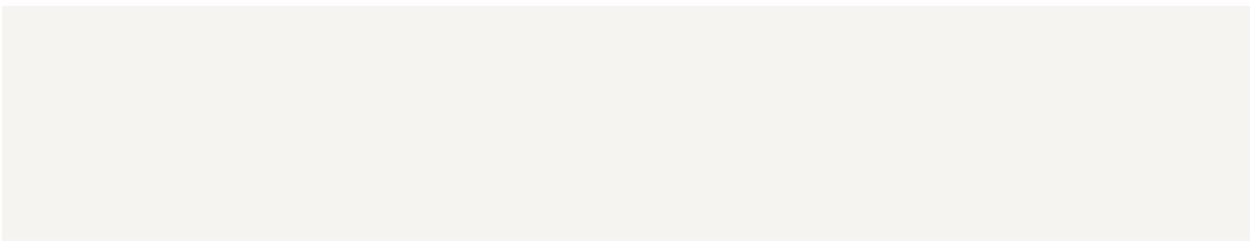
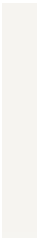
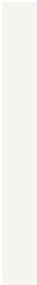
11 66

11 66

11 66

11

4,509.83



GRI					ESG	(CASS-ESG 5.0)	
GRI 1							
2 -1 2-2 2-3 2-4					P1.1;P1.2;P1.3	4-5	
2-22					P2.1;P2.2	6-7	
2-1 2-6 201-1					P3.1;P4.1;P4.2;P4.3;P4.4;G3.1 1;V2.3	8-13	
ESG	2-9 2-12 2-13 2-14				P3.1;P4.4;G1.10;G2.1;G2.2;G2.3;G2.4;G2.5;G3.1;G3.2;G3.3;G3.5;G3.6;G3.7;G3.9;G3.10	14-17	
	2-16 2-17 2-18						
	2-22 2-29 3-1 3-2						
	3-3						
“ ”							
2-9 2-10 2-13 2-16					G1.1;G1.2;G1.10;G3.6	20-21	
2-29 405-1							
					G1.3;G1.4	22-23	
2-26 205-2 205-3					B7.1; B7.2; B7.3	G1.5;G1.6;G1.7;G1.8	24-25
“ ”							
203-2					V2.1;V2.2;V3.3;V4.4; V4.5	28-29	
301-2					B6.3	V1.1;V1.2;V1.3;V1.4;V2.4;V2.7	30-31
“ ”							
301-2 301-3 303-1					A1.1;A1.3;A1.4; A1.5;A1.6; A2.2;A2.3; A2.4;	E1.1;E1.2;E1.3;E1.5;E2.4;E2.5 ;E2.9; E2.12;E2.14;E3.1;E3.2;E3.3;E3.5;E3.6	34-36
303-2 303-4 303-5							
305-7 306-1 306-2							
306-3							
201-2 302-3 302-4					A1.2; A3.1; A4.1	E5.1;E5.2;E5.3;E5.5;E5.6;E5.7; V1.1;V4.3	37-40
305-1 305-2 305-4							
305-5							
304-1 304-2 304-3					A3.1	E4.1;E4.2;E4.3;V4.4;V4.5	41-43
304-4							

GRI			ESG	(CASS-ESG 5.0)	
“ ”					
	2-19 2-20 2-27 201-3 401-2 401-3 406-1 408-1 409-1		B4.1; B4.2	S1.1;S1.2;S1.3;S1.4;S1.6;S1.7; S1.8;S1.9	46
	2-7 401-1 404-1 404-2		B1.1; B3.1; B3.2	S1.5;S2.1;S2.2;S2.3;S2.4;S3.9 ;V3.2	47-48
	403-1 403-2 403-3 403-4 403-5 403- 6 403-7 403-9 403-10		B2.1; B2.2; B2.3	S3.1;S3.4;S3.5;S3.6;S3.7;S3.8; S3.10;S3.11;S3.12	49-51
	201-3			S1.10;S1.11	52-53
“ ”					
	2-8 2-28 308-2 408-1 409-1		B5.1; B5.2; B5.4	G1.6;S5.1;S5.2;S5.3;S5.6;V2.5	56-57
	203-1 203-2 413-1		B8.1; B8.2	E1.7; V1.1;V1.2;V1.3;V1.4;V2.8; V3.4;V3.5;V3.6	58-61
“ ”					
	203-1 203-2 413-1		B8.1; B8.2	V1.1;V1.2;V1.3;V1.4;V3.5;V4.3	62-63
				A1	64-65
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独立有限鉴证报告

安永华明（2024）专字第70025006 A01号
龙源电力集团股份有限公司

龙源电力集团

工作范围

我们接受委托，对龙源电力集团股份有限公司（以下简称“龙源电力”）编制的《2023年环境、社会及治理（ESG）报告》（以下简称“ESG报告”）中披露的指定信息（以下简称“关键信息”）按照国际鉴证业务准则执行了有限保证的鉴证业务。

除上述列明的我们审计业务的范围外，我们并未对ESG报告中包含的其余信息执行鉴证程序，因此我们不对该等信息发表结论。

龙源电力应用的编制基础

龙源电力编制ESG报告关键信息所采用的标准为香港联合交易所《环境、社会及管治报告指引》（以下简称“编制基础”）。

管理层的责任

选择编制基础并在所有重大方面按照上述编制基础编制ESG报告关键信息是龙源电力管理层的责任。这种责任包括建立和维护与编制ESG报告关键信息相关的内部控制，保留充分的证据以及做出与关键信息相关的估计，以使该等关键信息不存在由于舞弊或错误而导致的重大错报。

安永的责任

我们的责任是根据我们获取的证据，就ESG报告关键信息发表结论。我们按照与龙源电力于2024年3月26日签署的业务约定书条款，根据《国际鉴证业务准则第3101号——以有限保证为目的的鉴证》（以下简称“准则”）的规定执行了鉴证业务。该准则要求我们计划和执行鉴证工作，以就我方是否知悉需要对关键信息进行任何重大修改以使其符合编制基础并发布报告。所选程序的性质、时间和范围取决于我们的判断，包括对由于舞弊或错误导致的重大错报风险的评估。我们认为，我们获取的证据是充分和适当的，为发表有限保证的鉴证结论提供了基础。

独立性和质量控制

我们保持了独立性，并确认我们遵守了国际会计师职业道德准则理事会颁布的《国际会计师职业道德守则》的要求，并具备开展本次鉴证业务所需的能力和经历。

安永还遵循《国际质量控制准则第1号——会计师事务所对执行财务报表审计和审阅、其他鉴证和相关服务业务实施的质量控制》，该准则要求我们设计、实施和运行质量控制体系，包括与遵守职业道德要求、专业标准和适用的法律和法规要求相关的政策或程序。

执行的程序

有限保证的鉴证业务所实施的程序在性质、时间、范围方面不同于合理保证的鉴证业务。因此，有限保证鉴证业务所取得的保证程度大幅低于合理保证的鉴证业务。我们所设计的程序仅用于取得有限保证结论，无法提供合理保证所需的全部证据。尽管我们在决定鉴证程序的性质和范围时考虑管理层所执行内部控制的有效性，但是我们的目的并不是就内控有效性发表意见。我们的程序不包括对关键信息系统的详细设计和测试数据等相关编制。

有限保证业务的程序包括对负责编制关键信息的人员进行询问，执行分析程序以及其他适当的程序。

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