



国家能源集团
CHN ENERGY

国电电力发展股份有限公司
GD POWER DEVELOPMENT CO., LTD.



国电电力发展股份有限公司

2024 年度环境、社会和公司治理报告

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

动力



ESG

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! ESG !

ESG !

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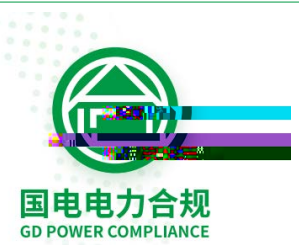
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2024 1 1 12 31

2030 SDGs

ISO26000

2010

GB/T36001-2015

CASS-ESG6.0

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www.sse.com.cn

www.600795.com.cn

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100101

010-58682100

010-64829902

www.600795.com.cn





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降 咸污

ESG

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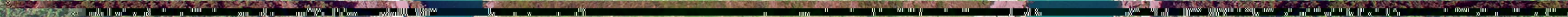
84

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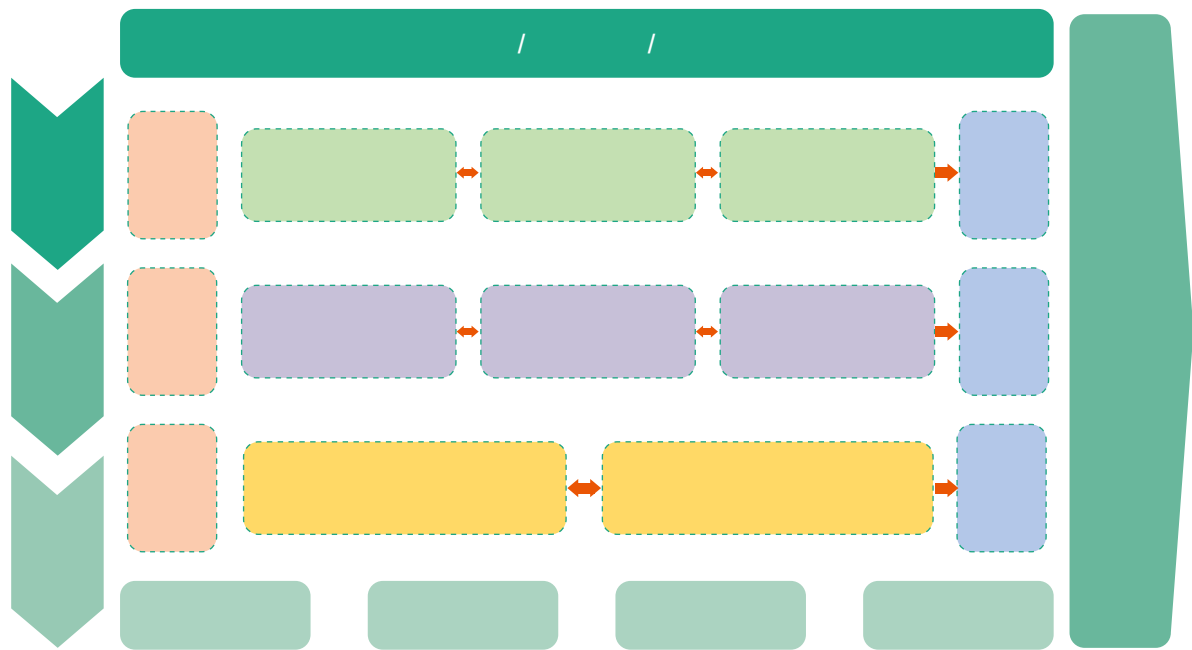
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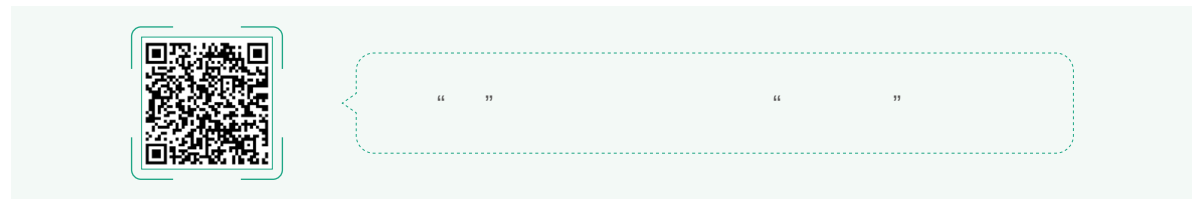




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ESG

2024

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“中国企业上市公司ESG·先锋100指数 (2024)”榜单					
排名	企业名称	ESG得分	ESG评级	ESG得分	ESG评级
45	中国石化	68.04	78.4	78.4	78.4
46	中国中化	68.04	78.4	78.4	78.4
47	中国石化	68.04	78.4	78.4	78.4
48	中国石化	68.04	78.4	78.4	78.4
49	中国石化	68.04	78.4	78.4	78.4
50	中国石化	68.04	78.4	78.4	78.4
51	中国石化	68.04	78.4	78.4	78.4
52	中国石化	68.04	78.4	78.4	78.4
53	中国石化	68.04	78.4	78.4	78.4
54	中国石化	68.04	78.4	78.4	78.4
55	中国石化	68.04	78.4	78.4	78.4
56	中国石化	68.04	78.4	78.4	78.4
57	中国石化	68.04	78.4	78.4	78.4
58	中国石化	68.04	78.4	78.4	78.4
59	中国石化	68.04	78.4	78.4	78.4
60	中国石化	68.04	78.4	78.4	78.4



2024

ESG



ESG



“ ESG ”



ESG

ESG ESG “ ” ESG ESG ESG

2024 ESG 4 14 — ESG ESG

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ESG

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2	10	18
3	11	19
4	12	20
5	13	21
6	14	22
7	15	23
8	16	24

ESG

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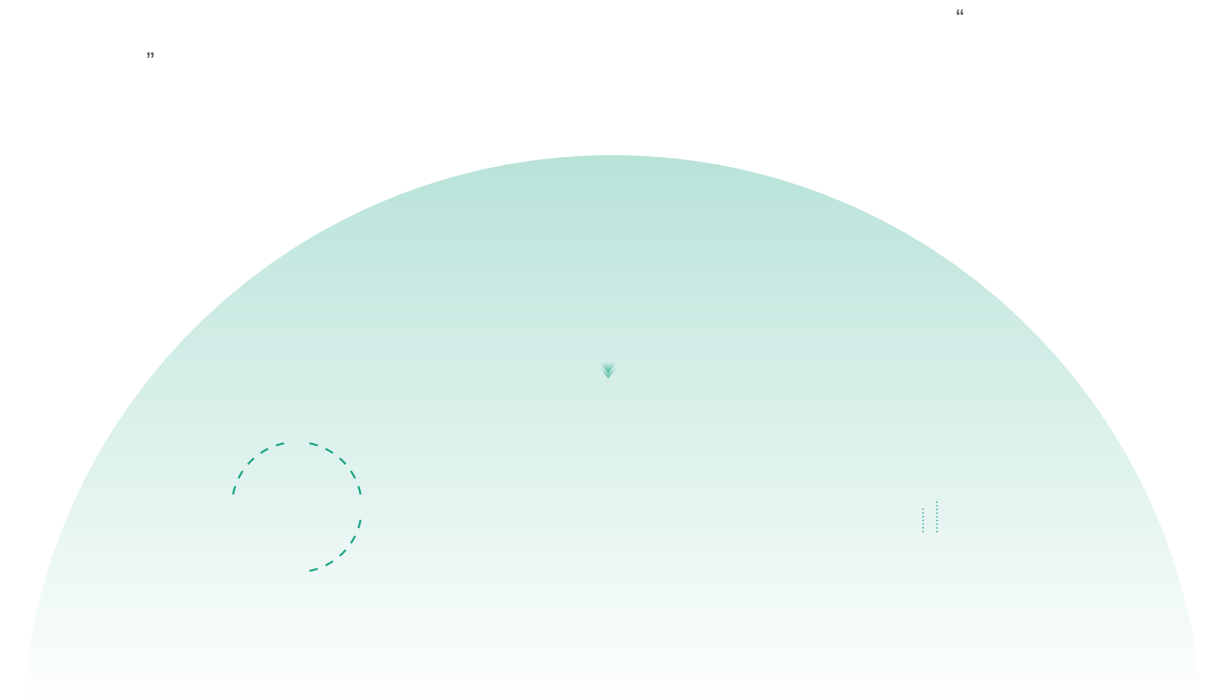
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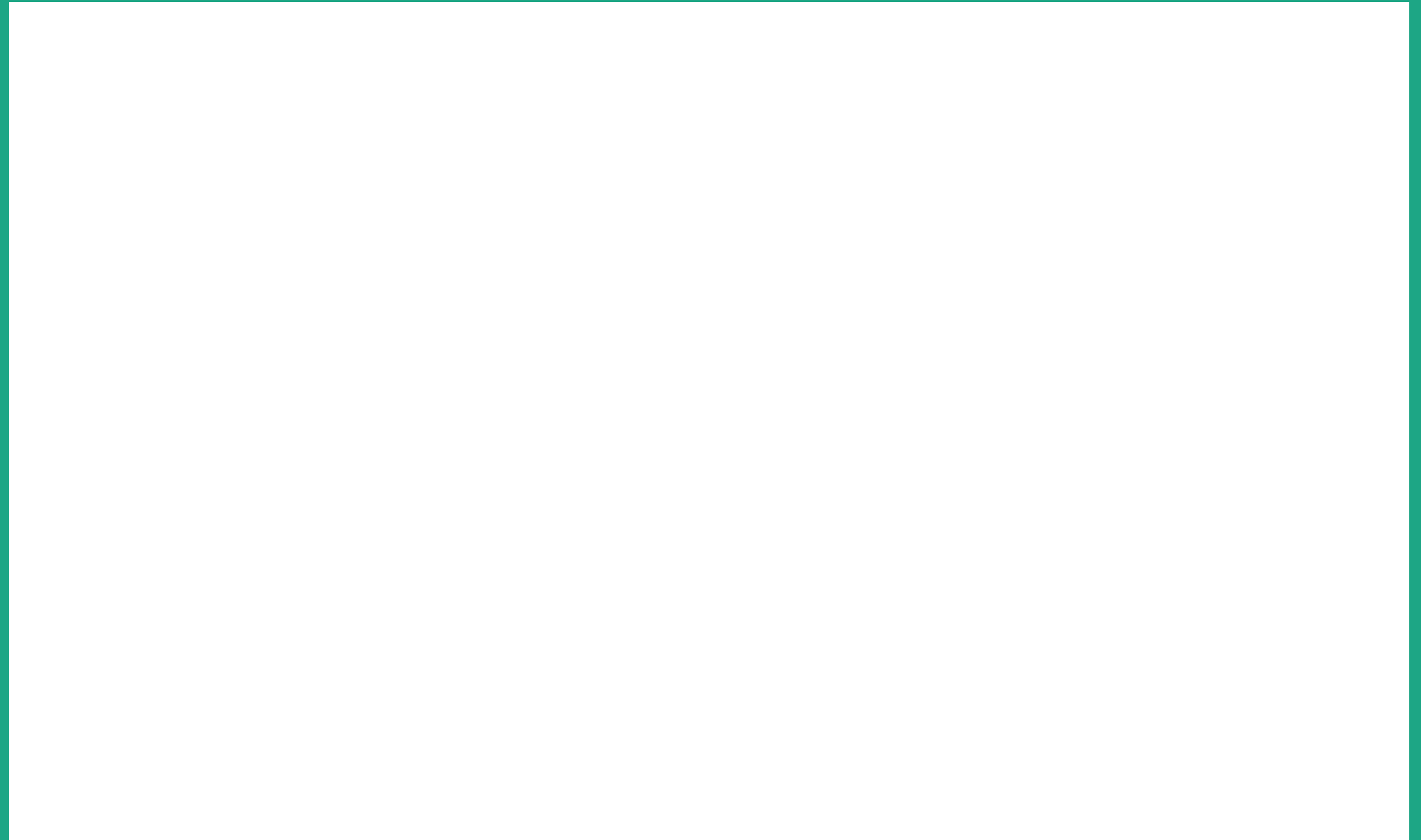
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13

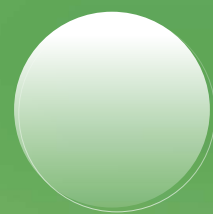
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降碳减污

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28 |

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2024

2024



2024

100%

2024

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CCUS

8 29

50 / CCUS

2.35GJ/tCO₂ 51.5kWh/tCO₂

100% 208 /

50 /

14



“ 1166 ”

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1678.84

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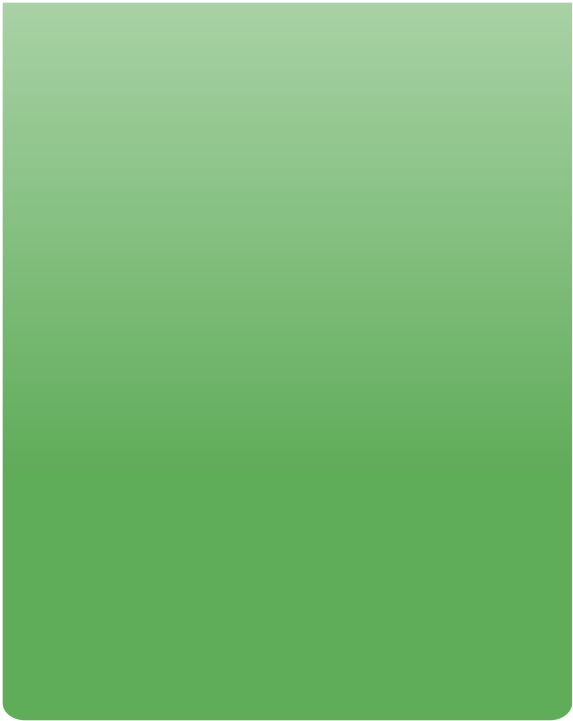


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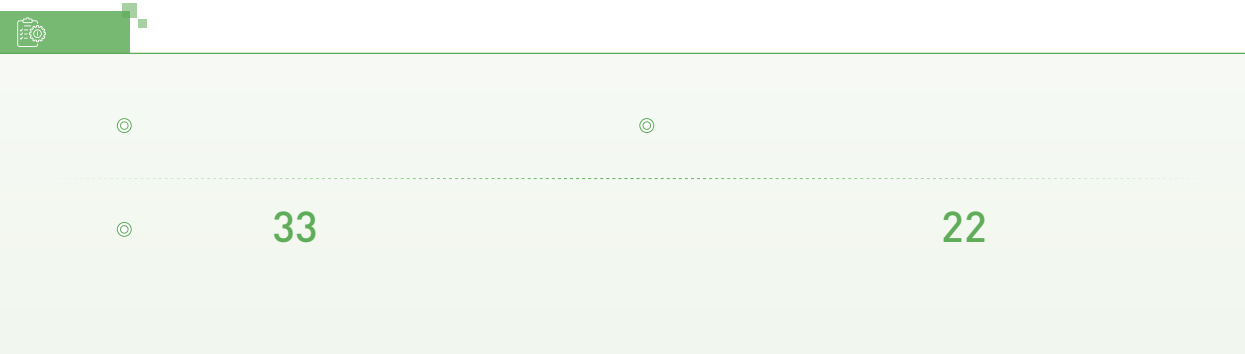
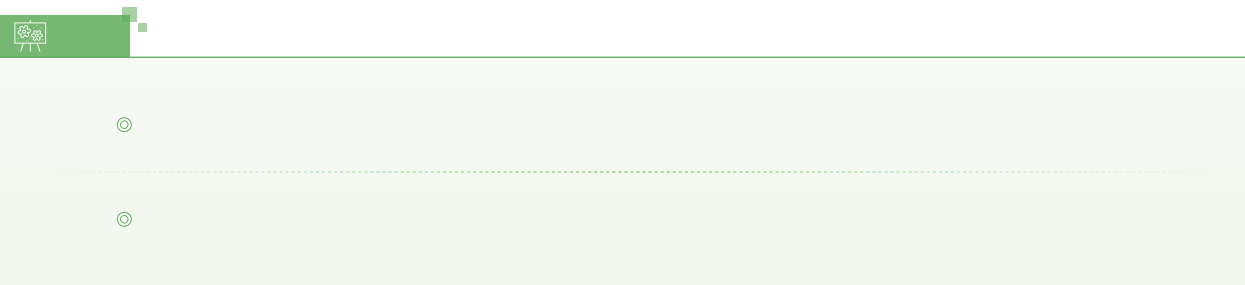
0.01 /Wp

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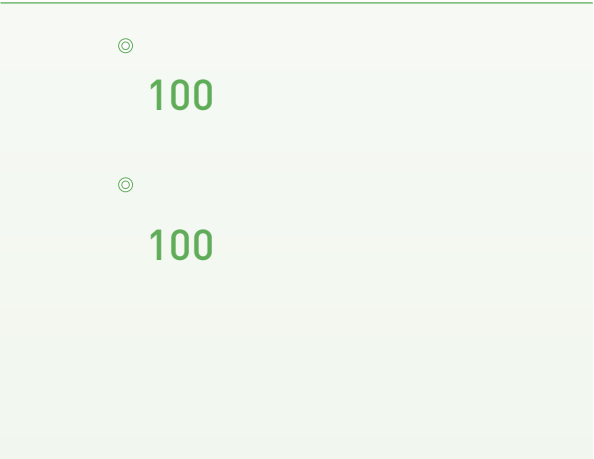
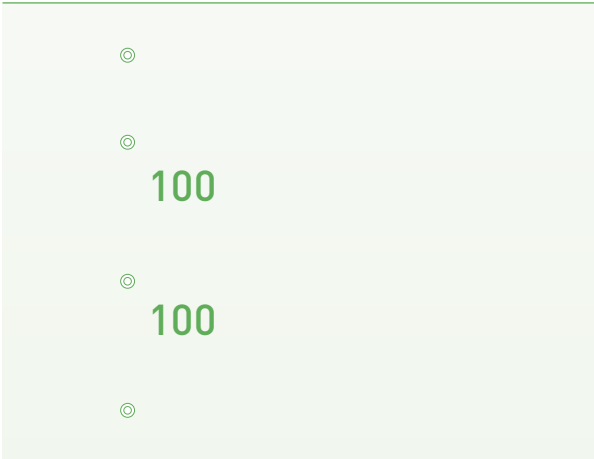
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2024—2027

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ESG

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ESG

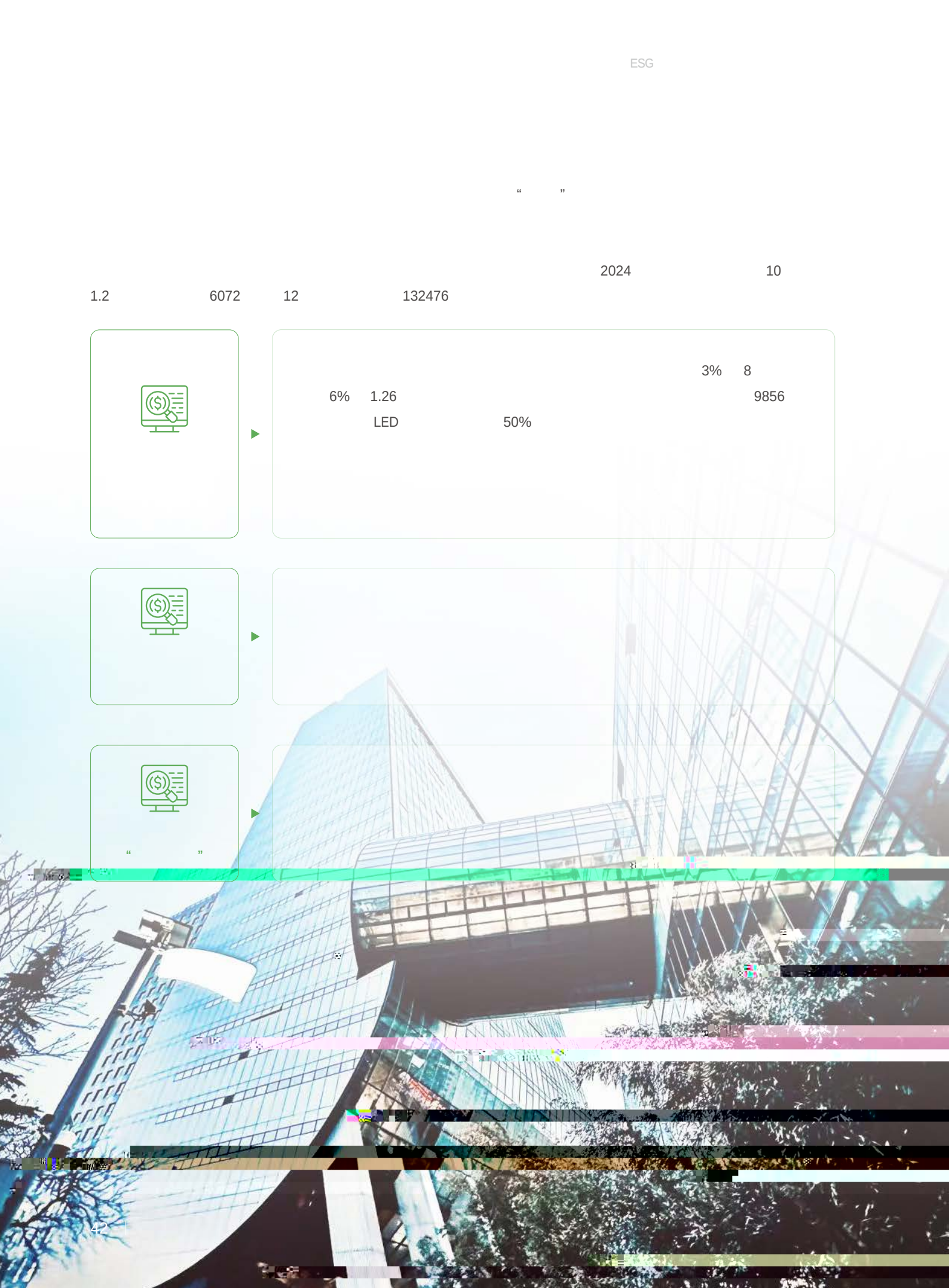


电力工程项目ESG评价
首批试点项目
国能北仑电厂一期节能减排改造项目2×1000MW工程

中国电力建设企业协会
二〇二四年十二月

“ ” “ ” “ ” “ ” “ ” “ ” “ ”

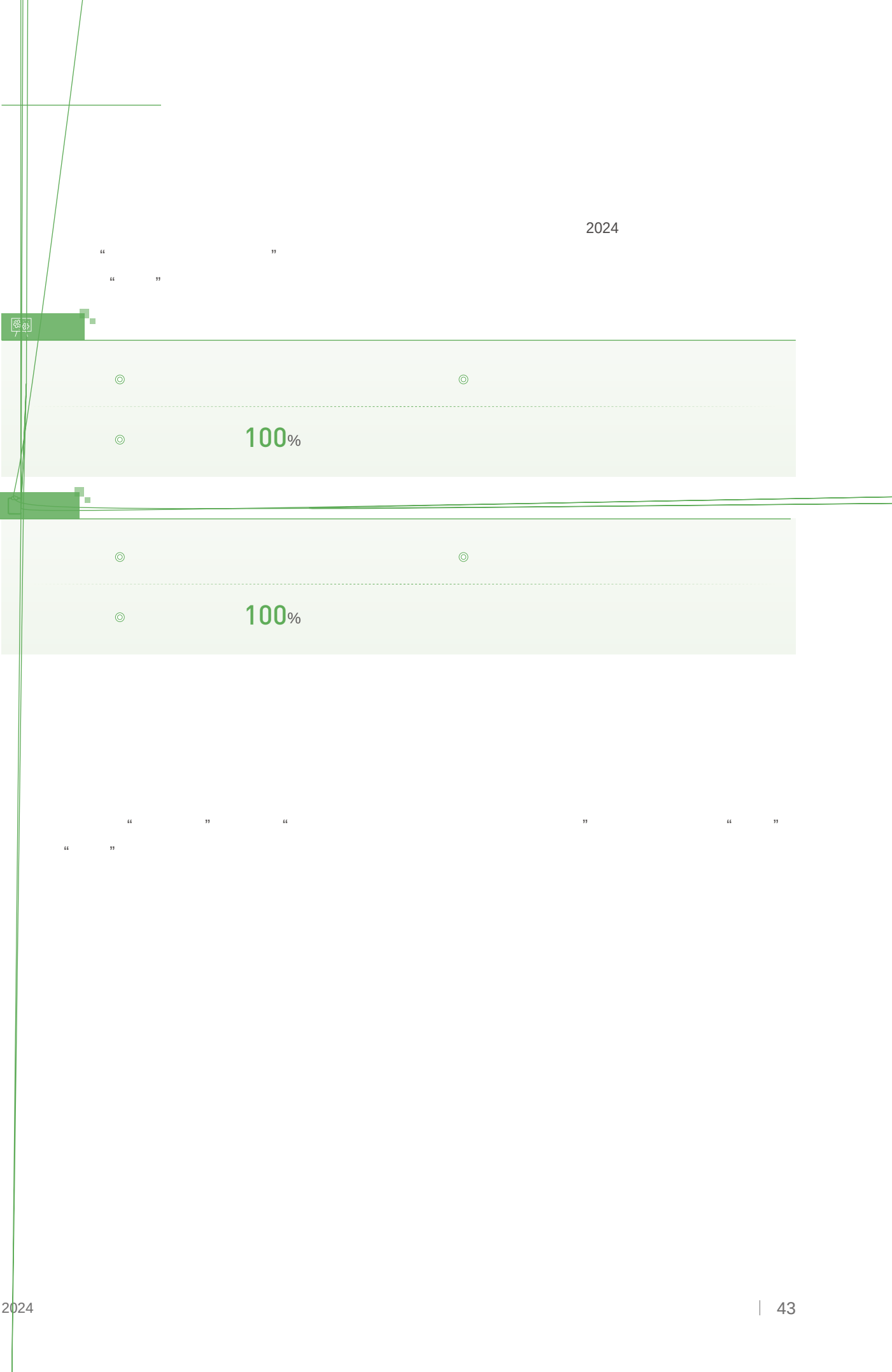
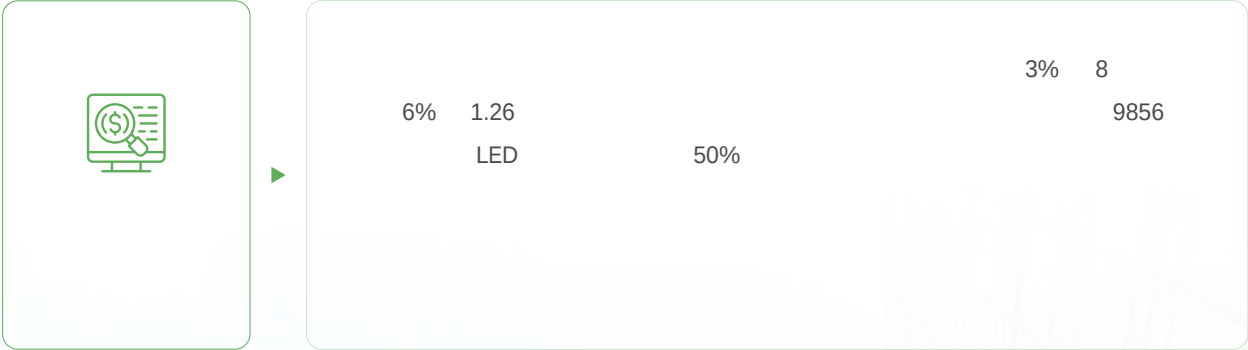




“ ”

2024 10

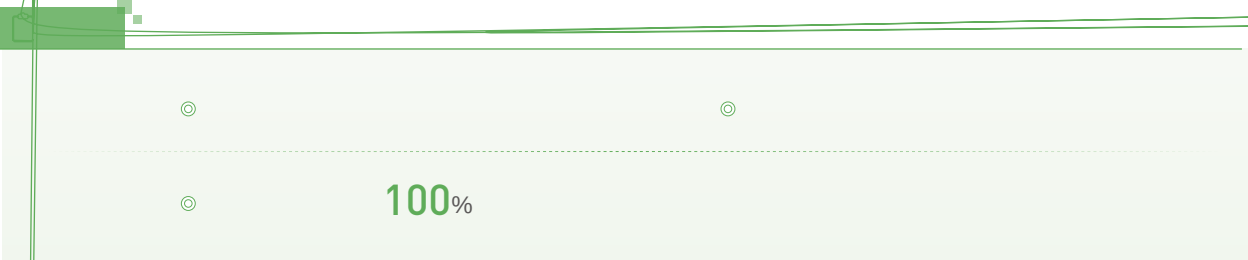
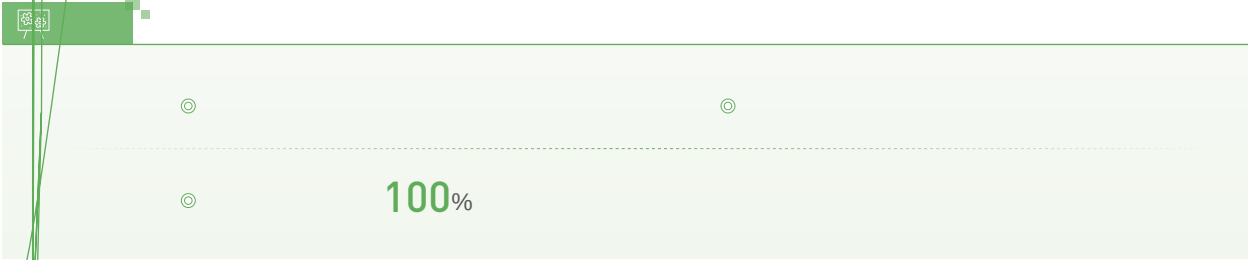
1.2 6072 12 132476



2024

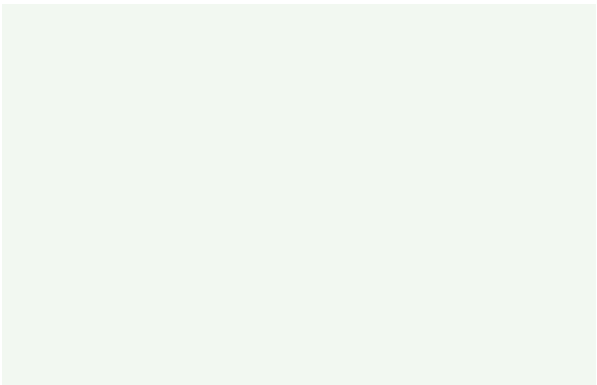
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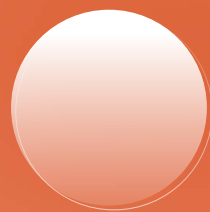


“ ” “ ” “ ” “ ” “ ” “ ”

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02



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ESG

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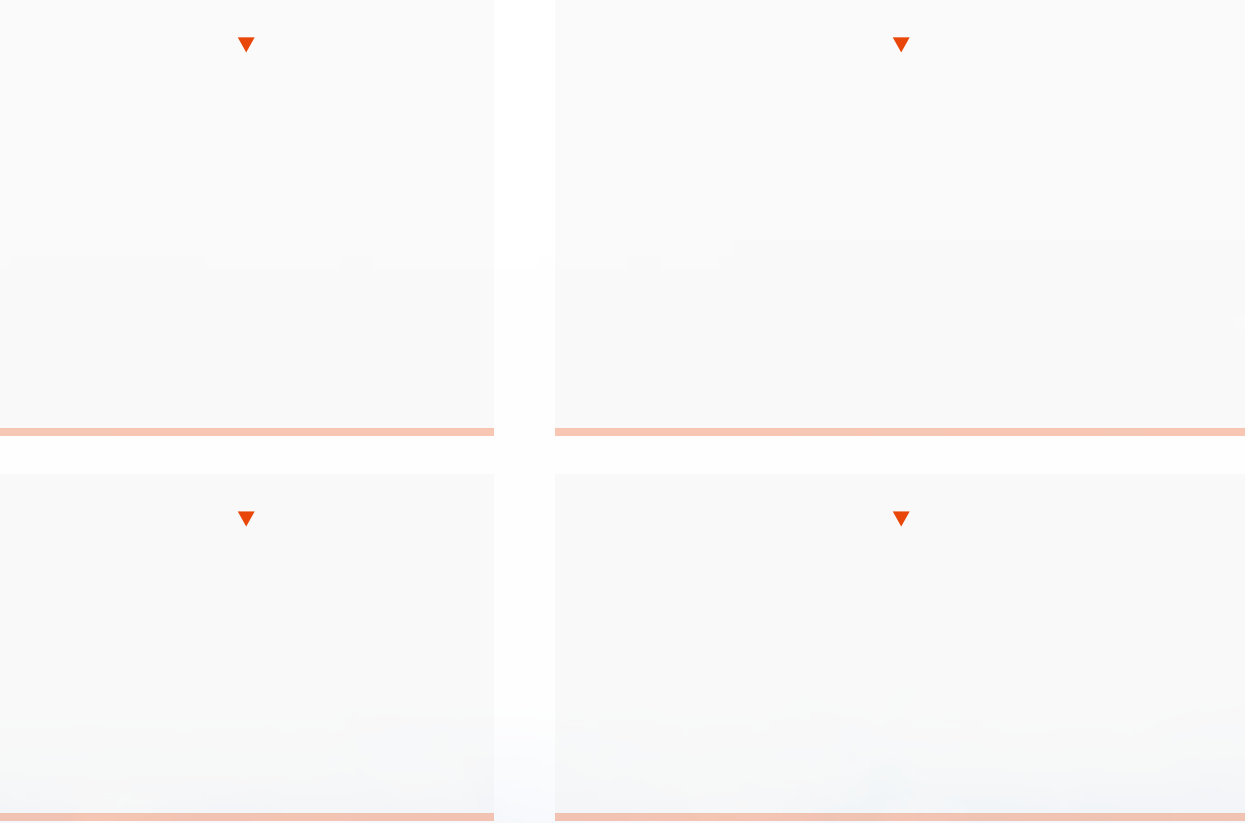
ESG

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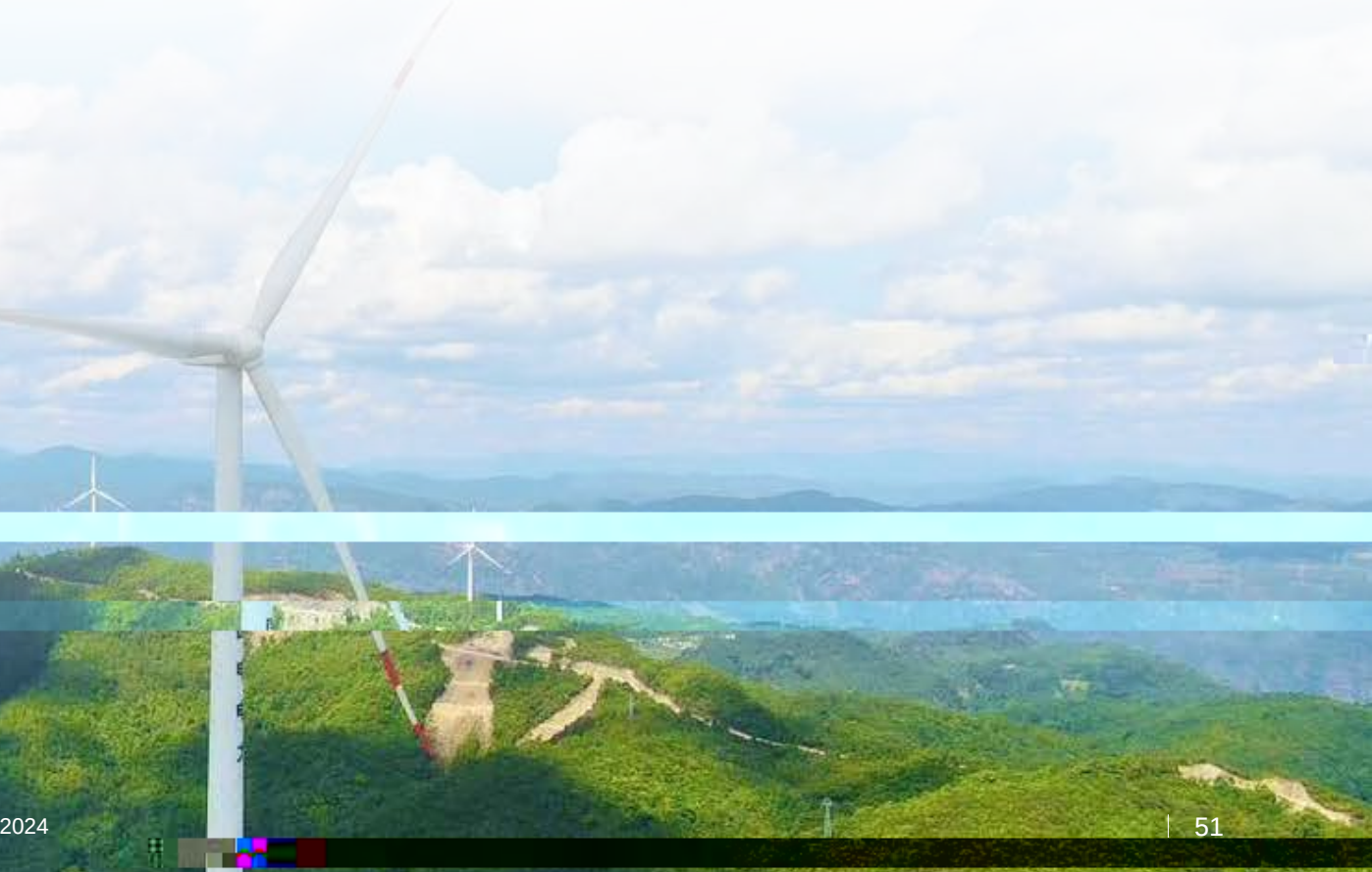
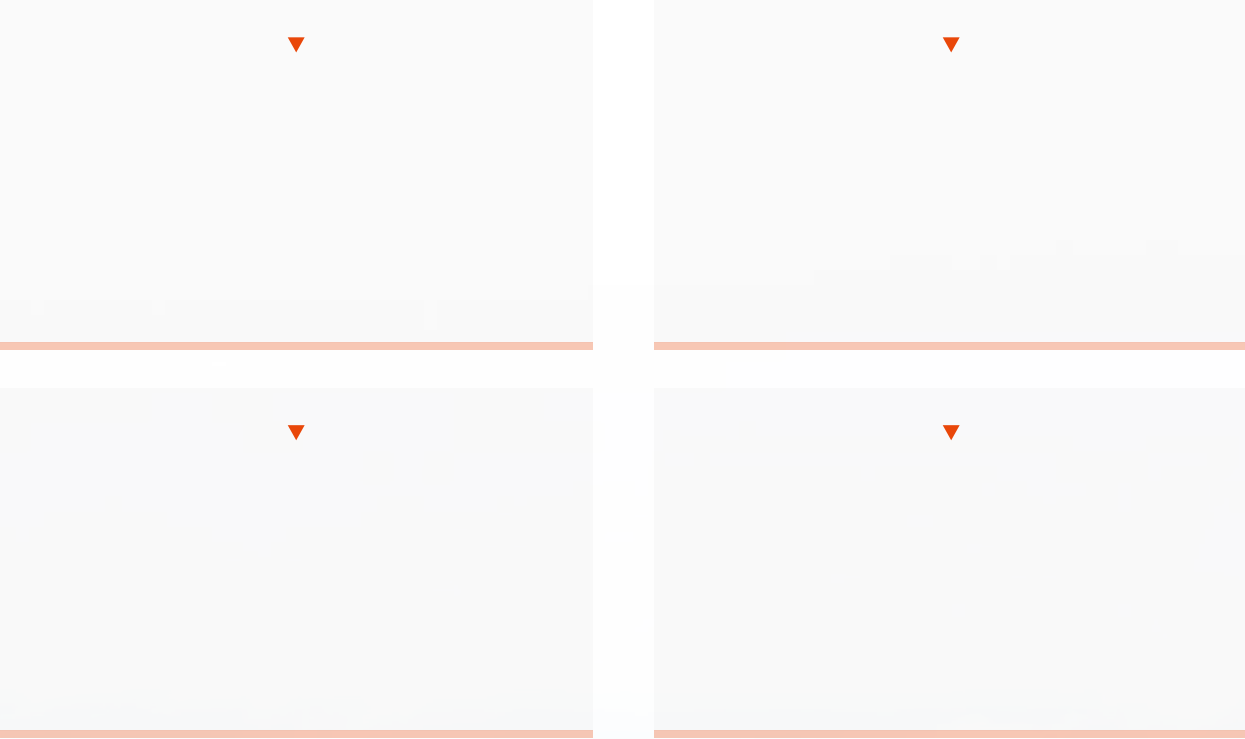
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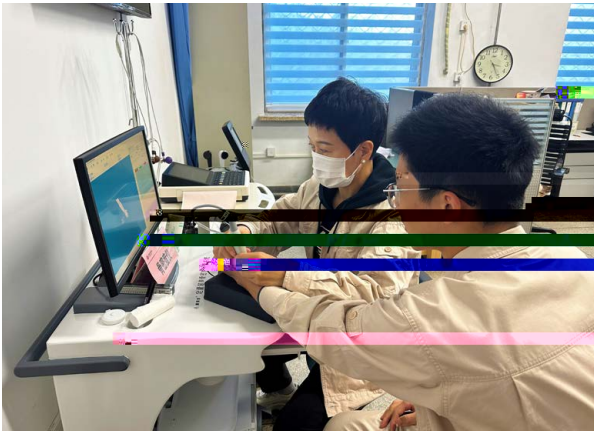




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4 “ ” 354 “ ”

2 4 10



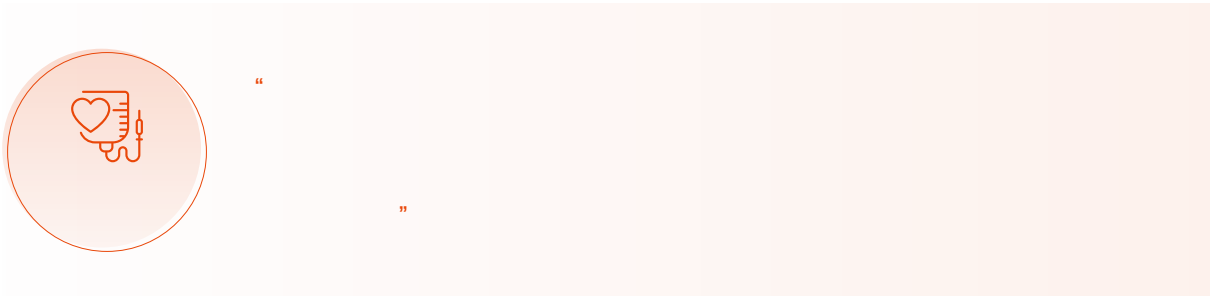
“ ” “ ” 704 102.78 18956 1021.82



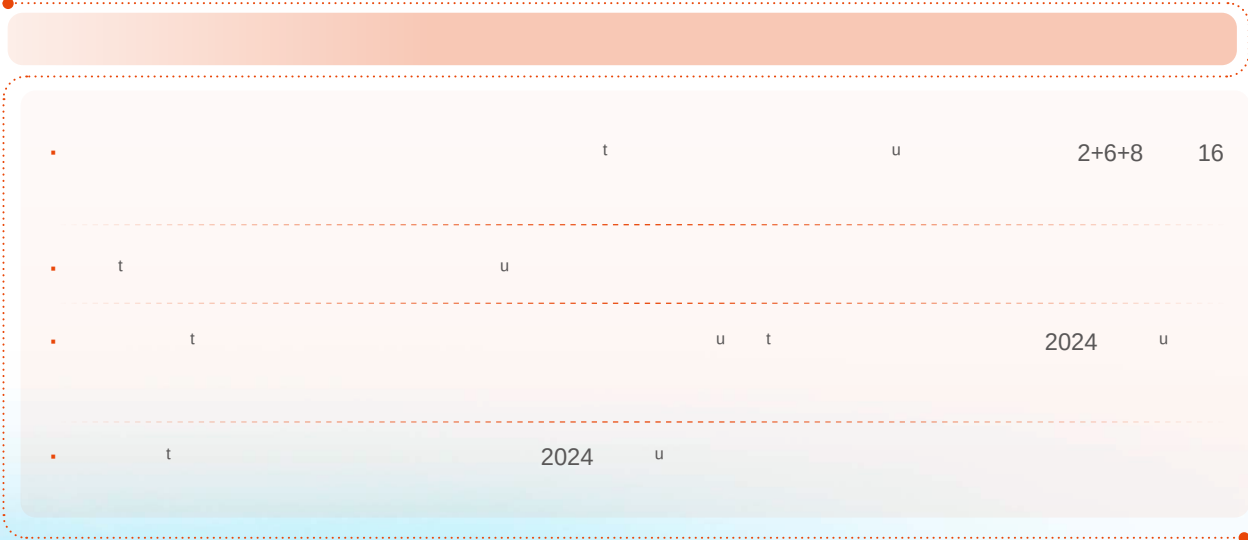


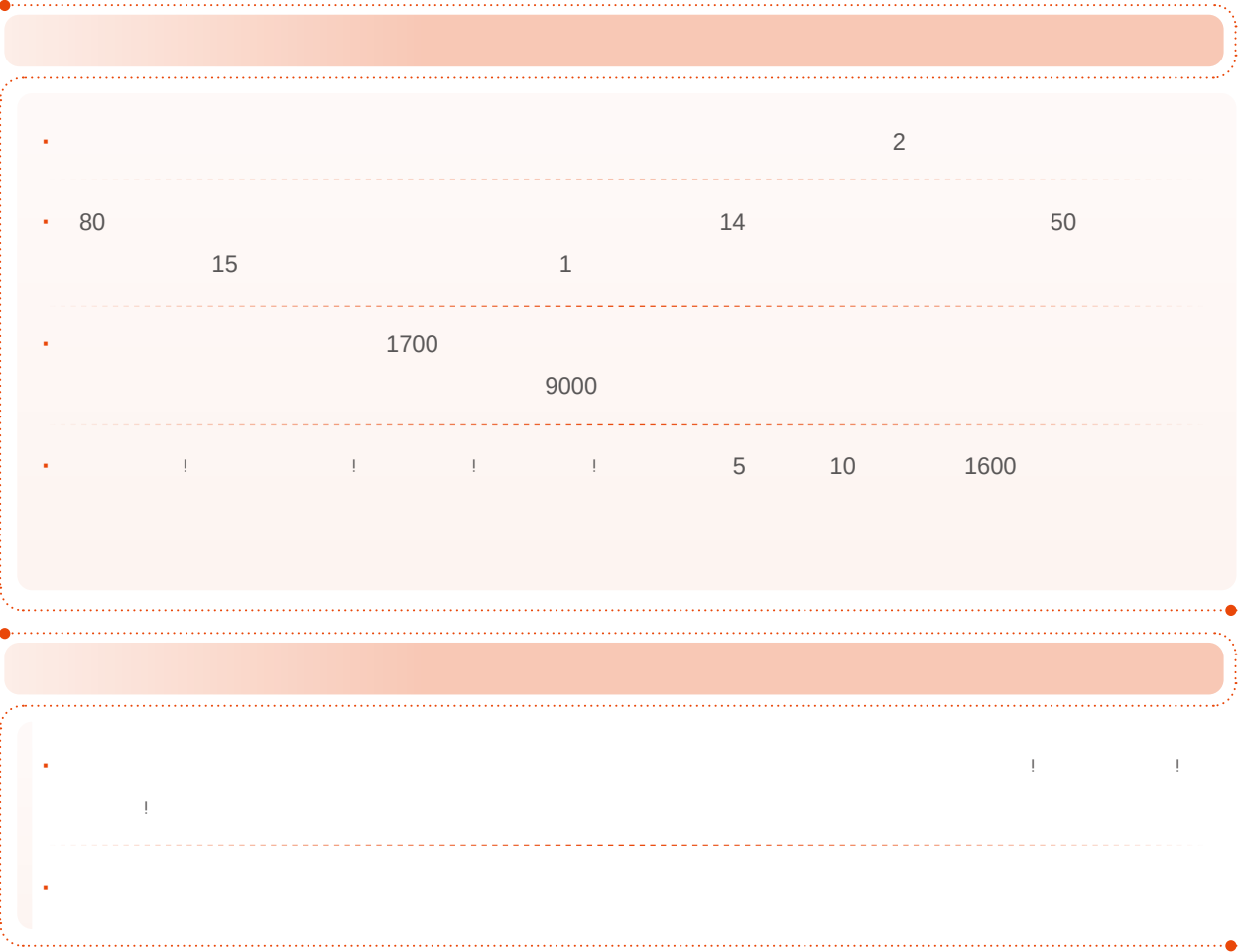
2 16
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3 6

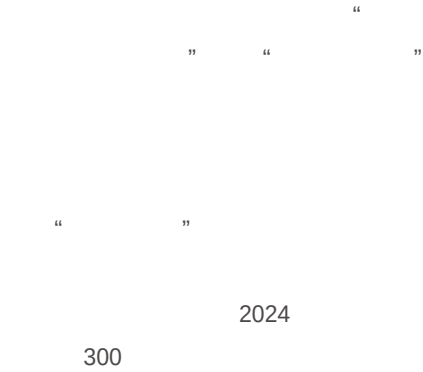


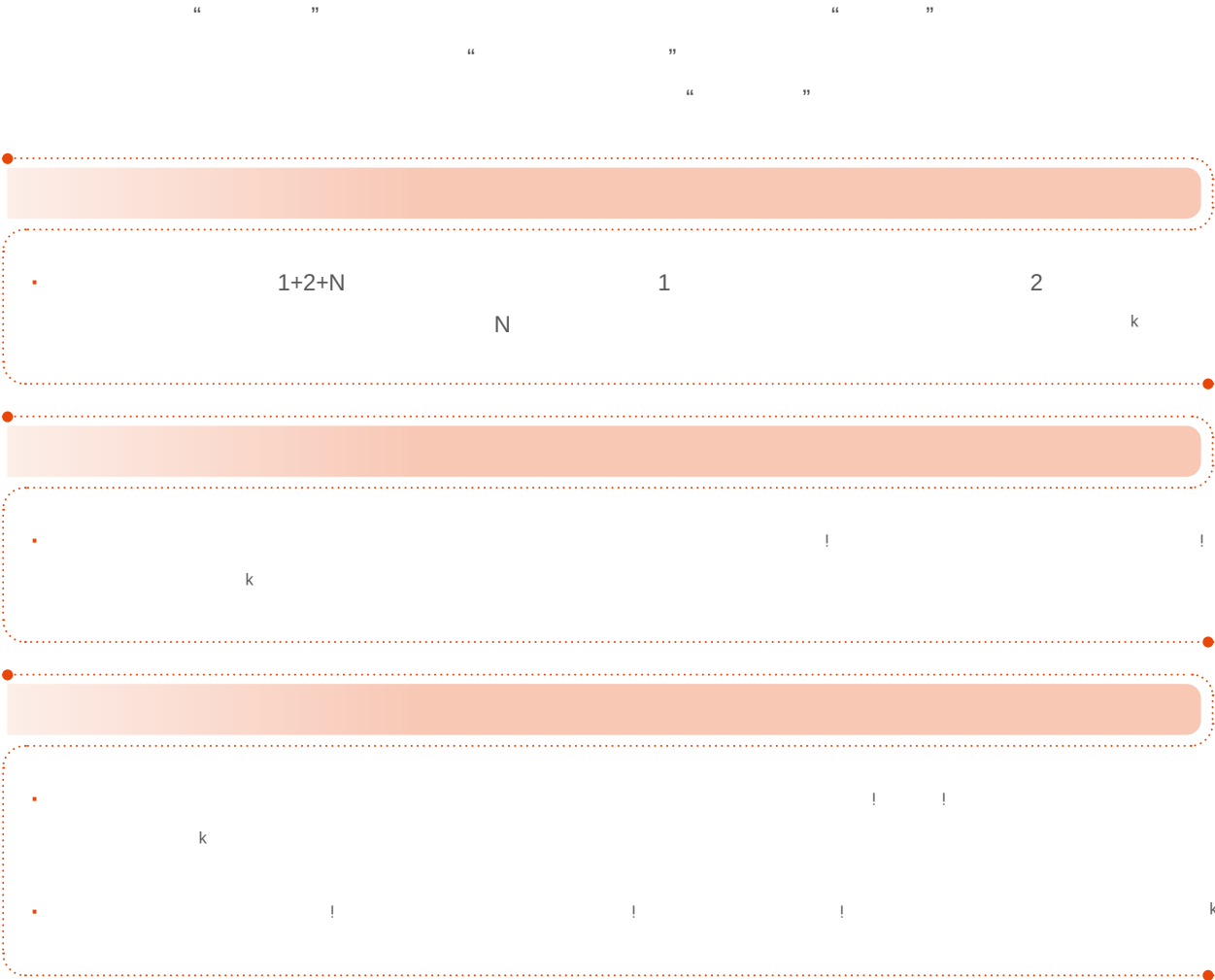
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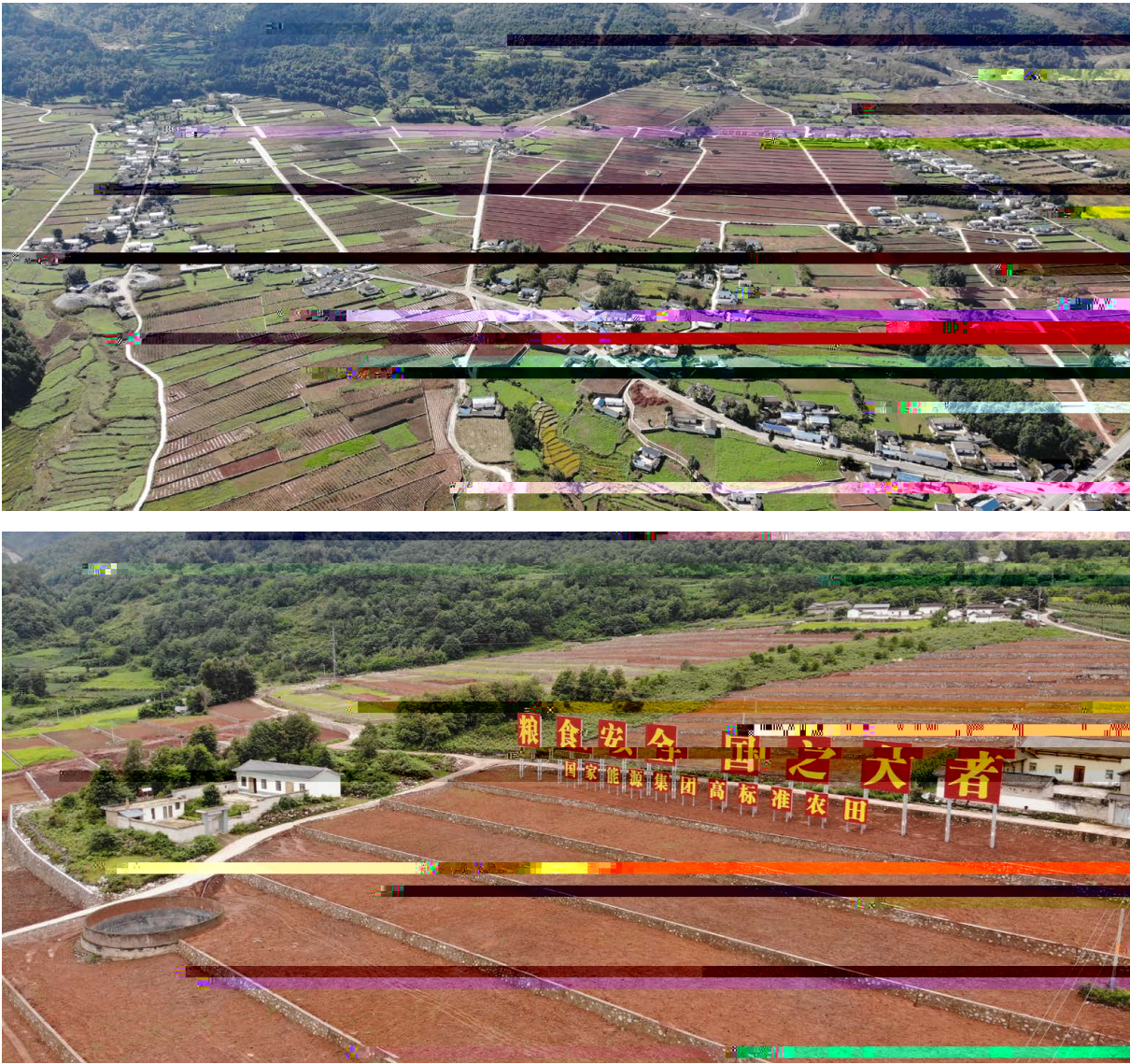
5000

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2500

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.....	74
.....	80
.....	84
	87
	89

Target 1: Increase the percentage of renewable energy in the company's electricity consumption by 10% by 2024.

66 33 66 33 66 33

Target 2: Reduce greenhouse gas emissions from the company's operations by 15% by 2024.

66 33 66 33

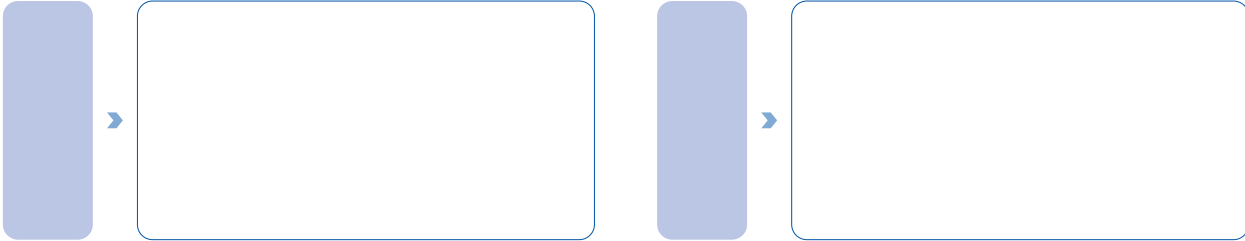
Target 3: Increase the percentage of renewable energy in the company's electricity consumption by 10% by 2024.

66 33 66 33

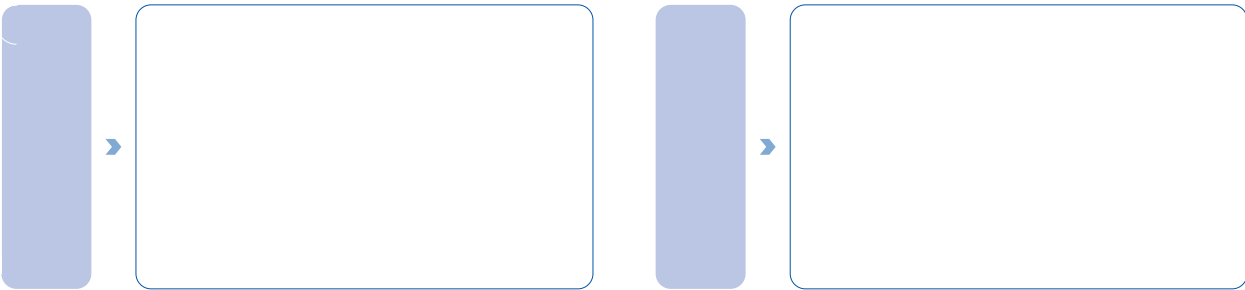
Target 4: Increase the percentage of renewable energy in the company's electricity consumption by 10% by 2024.



Target 1: Increase the percentage of renewable energy in the company's electricity consumption by 10% by 2024.



Target 2: Reduce greenhouse gas emissions from the company's operations by 15% by 2024.





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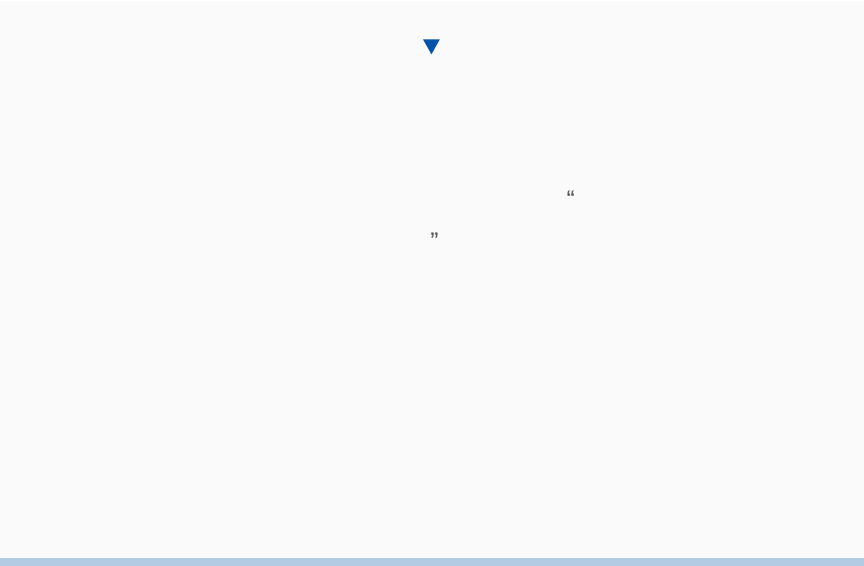
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BIM “ ”

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2024 8 26 2 × 66 BIM

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30 BIM 2024 2024

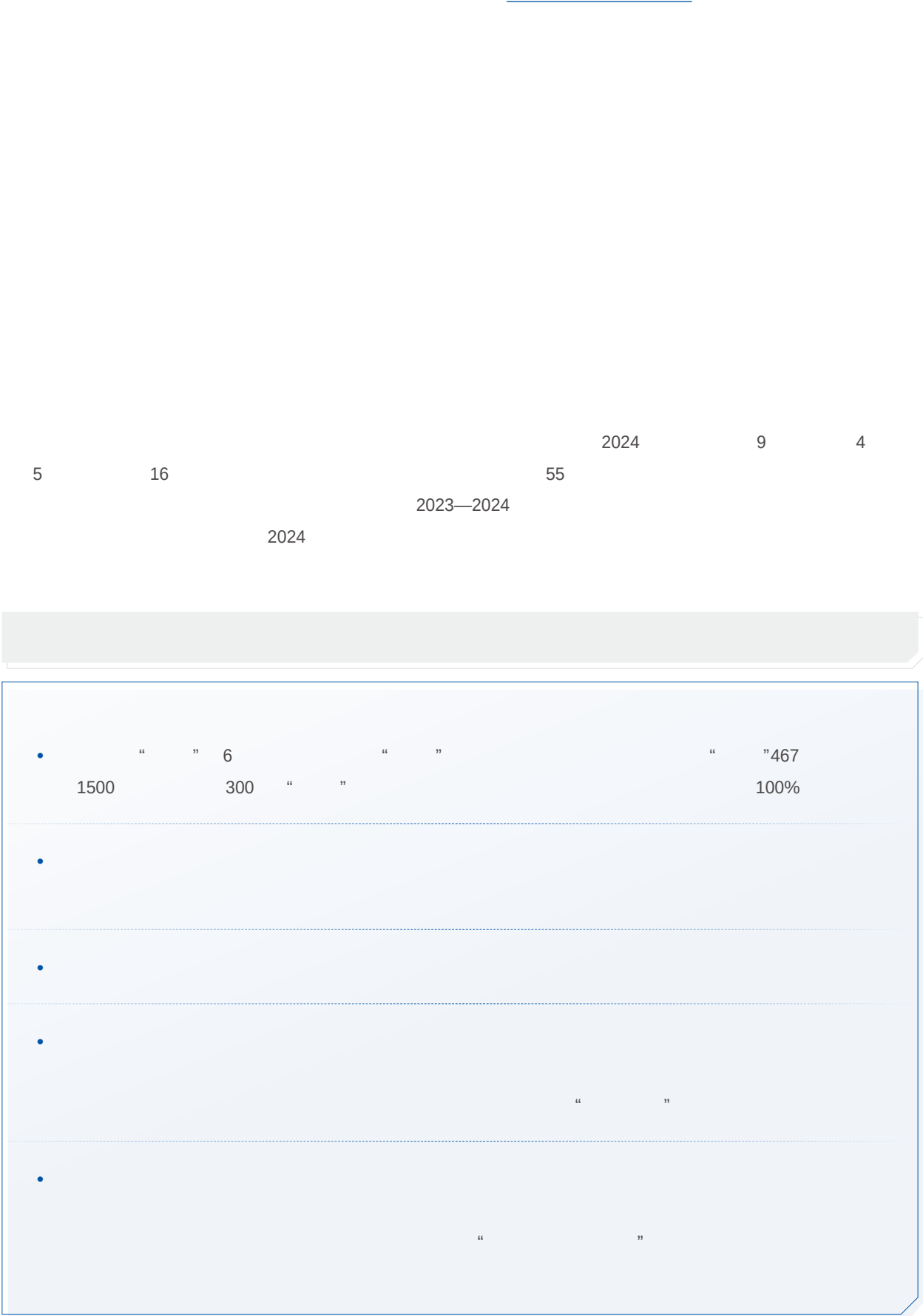
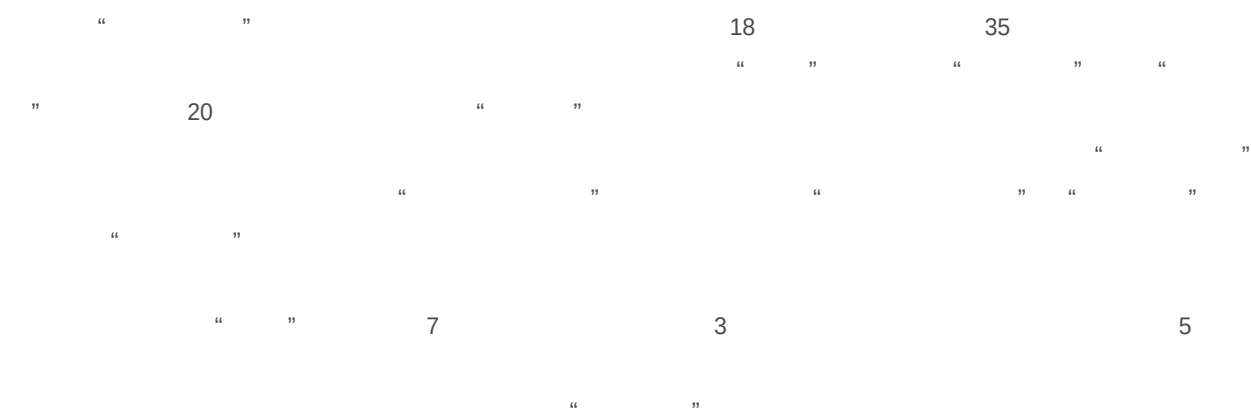
70 2024 12 20 BIM 2024

16.8 “ ”

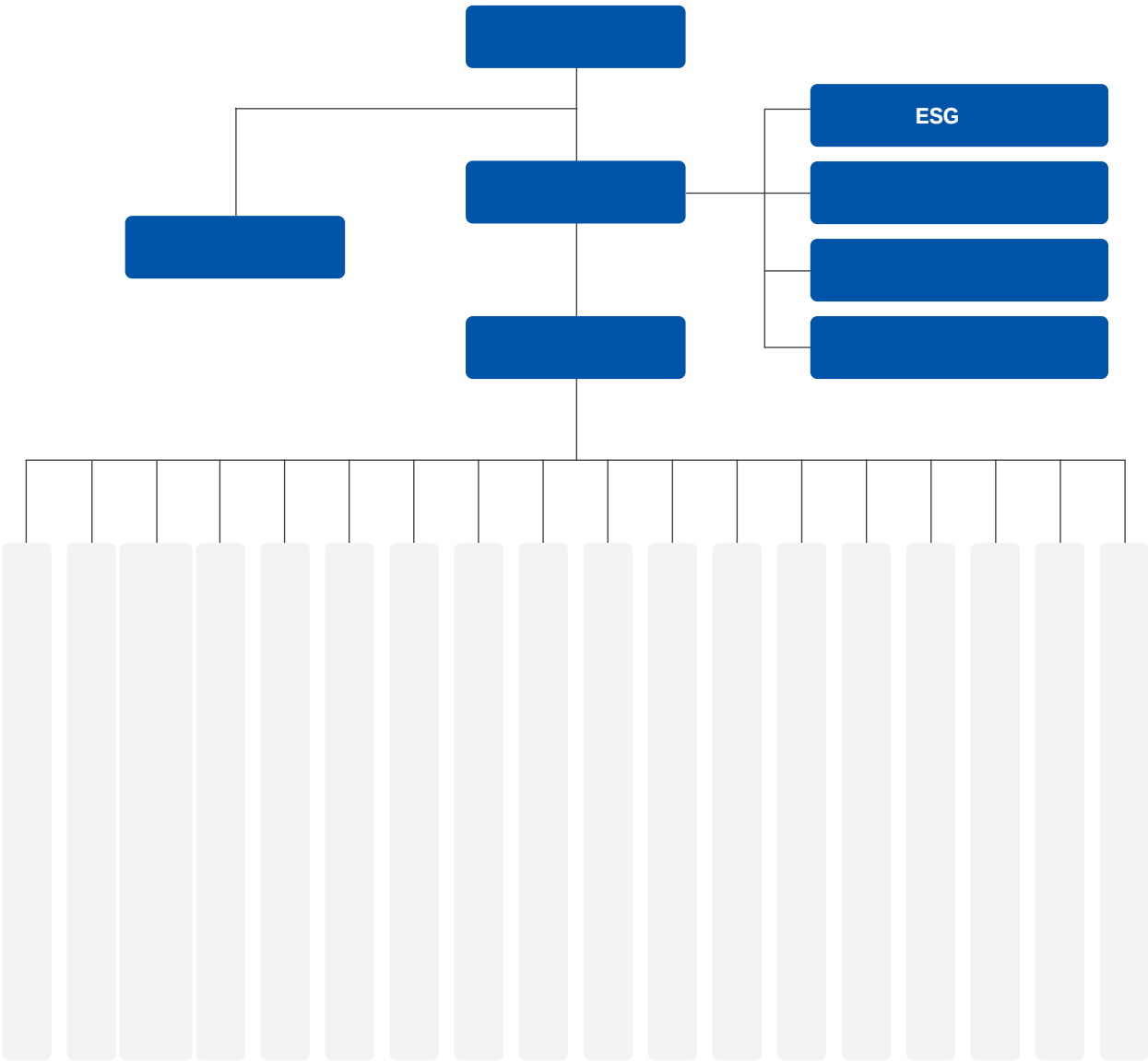
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2023—2025

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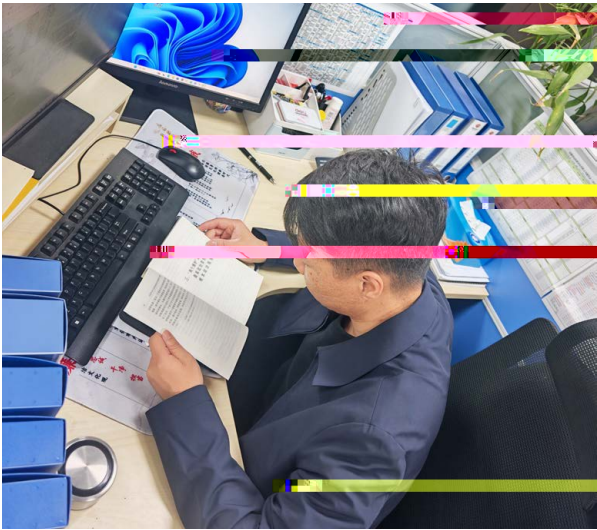
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124



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2023 2025

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2024



94 |

	2022	2023	2024
	0	0	0
%	0	0	0
	0	0	0
%	100	100	100
%	100	100	100
	1	2	0
	13442.16	87121.34	87282.62
	0	0	0
	46	221	202
	0	0	0
	0	0	0
	-	23	27
	98	98	97.33
	1235.84	1884.72	2533.6
	282970	333894	384818
	12279	13902	15525
	182286.8	251929.33	321571.86
	31	50	90
	9637.87	14643.96	13240.08
	6939.58	14350.47	12517.81
	7443.36	14844.70	14479.71
	478.64	1093.3	1693.8
	123	136	137
	97	106	114
	0.194	0.212	0.228
	4997	4979	4227
	28.47	23.46	26.61
	720	458	177
	4997	4979	4227
	41	77	80
ESG	0	43868	31502
	10.52	7.20	7.30

		2022	2023	2024
		19230.25	18458.15	18191
		18651.94	17990.10	17844.08
	/	-	6.37	6.07
	/	-	2.15	1.87
	/	295.08	294.19	293.40
		-	39.9314	35.96
		-	33756	25795
	/	-	18.65	14.4
	/	-	0.7	0.7
		-	3840.04	612.4558
		-	1275195.90	926218
	%	16.2	17.6	19.8
NOx	/	0.13	0.16	0.12
SOx	/	0.072	0.06	0.06
	/	0.011	0.014	0.013
		37896	35620	31463.27
¹	/	0.85	0.846	0.803
		333413026.7	319221707.1	314606529.8
		-	331904.14	725749.695
		27576.65	26482.76	26170.16
		7614101.008	8086635	9228057
		3796.75	4032.37	4601.54
	%	16.2	17.6	19.8
		29293.31	30905.18	25189.40
		-	55.17	0.86
	/	-	0.012	0.01
	%	-	84	100
		-	4165.59	2784.97
	/	-	0.92	0.9
	%	-	85	85
	%	100	100	100
	%	100	100	100

1.2023

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ESG

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国家能源
CHN ENERGY

责任 报告
CSP ENERGY

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