

2024

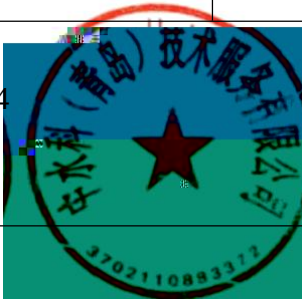
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2024 20241334tCO₂			



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1		4
1.1		4
1.2		4
1.3		4
2		6
2.1		6
2.1.1		6
2.1.2		6
2.2		6
2.3		7
2.4		7
3		8
3.1		8
3.1.1		8
3.1.2		8
3.1.3		9
3.2		9
3.3		10
3.3.1		11
3.3.2	CO ₂	12
3.3.3	CH ₄	13
3.3.4		3.

R-D 2

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1.1

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2024

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1.2

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2025 2 13 -2 14

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2.4

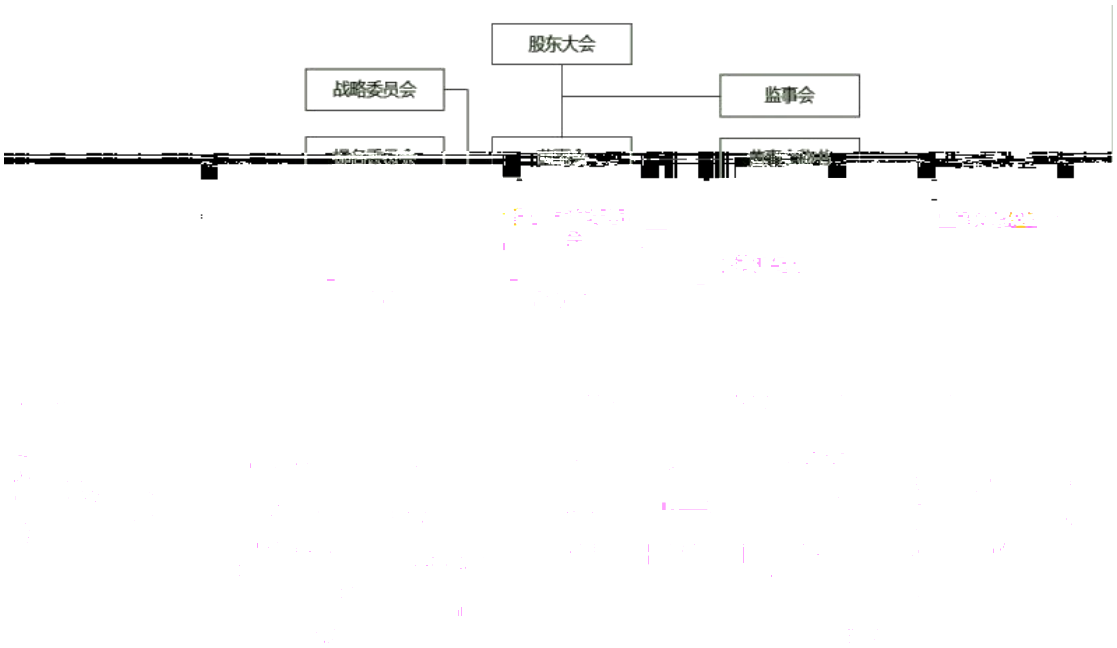
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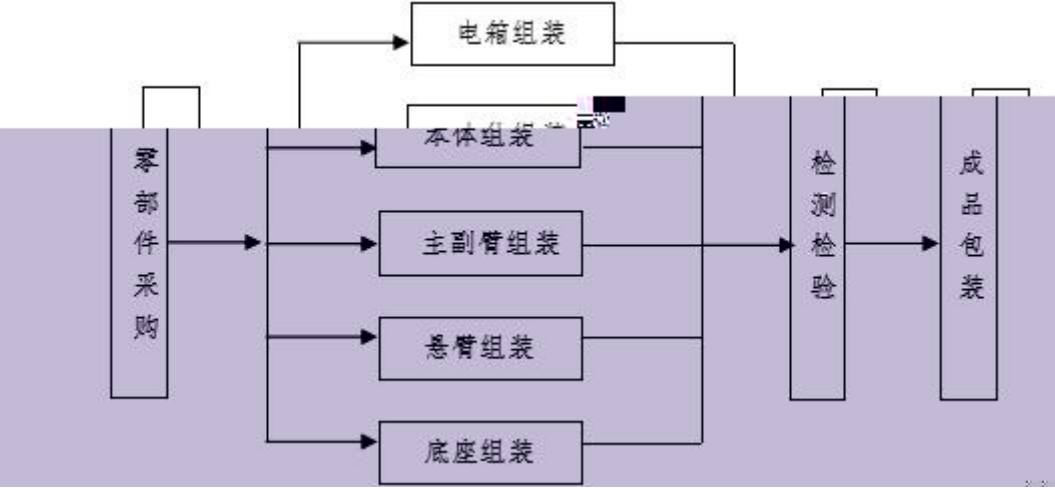
3.1

3.1.1

“ ”



3.1.2



2

3.1.3

1

2

3.2

GWP _{CH4}	CH ₄	CO ₂		GWP		IPCC
	100		1	CH ₄	21	CO ₂
	21					
E _{CO2}				CO ₂		CO ₂
E _{CO2}				CO ₂		CO ₂

3.3.1

$$E_{CO_2} = \sum^n (AD_i \times EF_i)$$

E		tCO ₂
AD _i	i	GJ
EF _i	i	tCO ₂ /GJ
i		

$$AD_i = NCV_i \times FC_i$$

AD _i	i	GJ
NCV _i	i	
	GJ/t	GJ/ Nm ³
FC _i	i	
t		Nm ³
i		

$$EF_i = CC_i \times OF_i \times \frac{44}{12}$$

EF_i p1b i tCO₂/GJ
 CC_i i tC/GJ m "

QF_i 1b Pi 2^Vh & 2 %

i p

3.3.2 CO₂
 CO₂
 CO₂

$$E_{CO_2-碳排放} = \sum_i (AD_i \times EF_i \times POR_i)$$

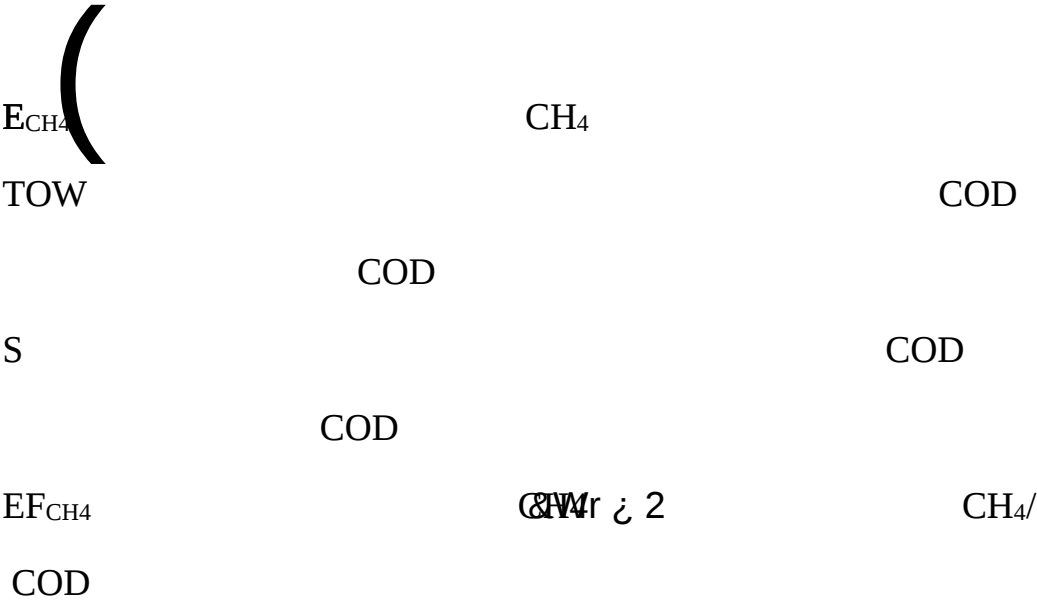
E_{CO2} CO₂ CO₂
 i
 』

3.3.3

CH₄

CH₄

$$E_{CH_4-废水} = (TOW - S) \times EF_{CH_4-废水} \times 10^{-3}$$



3.3.4

EF

CO₂/GJ

3.4

/

3-2

/

		/
CO ₂		
CO ₂		

3.4.1

	2024

3.4.2

3.4.2.1

1

3-6

	tC/GJ	%
	0.0202	99
	2024	

3.4.2.2

CO₂

1

3-7

	0.5366
	tCO ₂ /MWh

2022

tCO ₂	1334
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4

2024 a Ü %È P

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