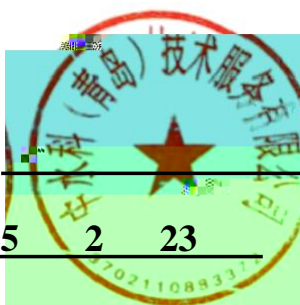
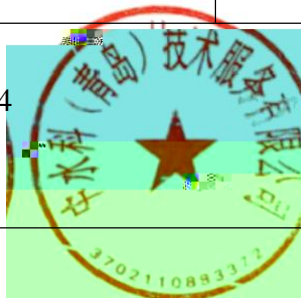

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		email	187 6390 6386
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2024	1334tCO ₂	2024	



	11
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	12
3.3.3	13
3.3.4	3.

CO₂
CH₄ **R-D 2**

1

1.1

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“ ”

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2.4

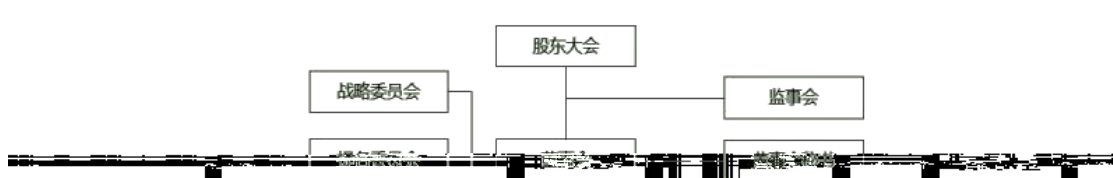
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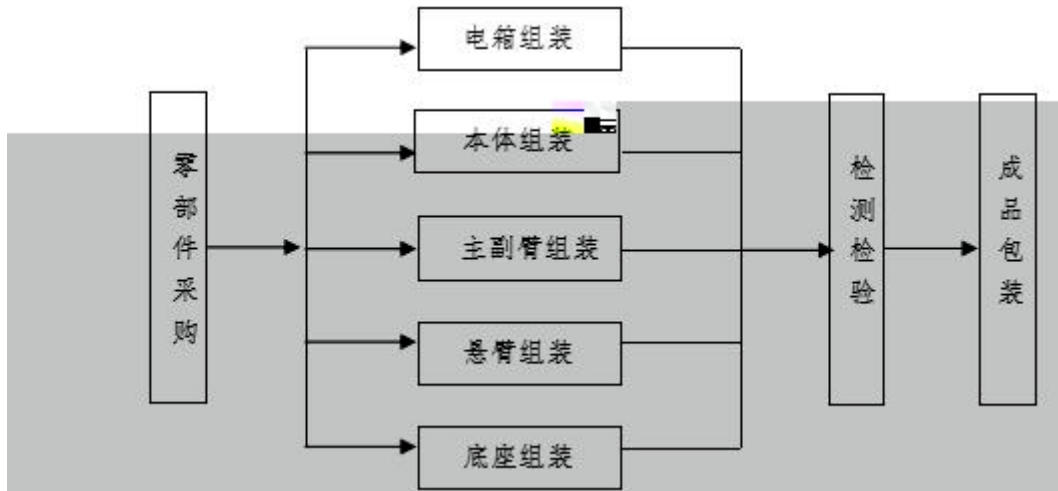
3.1

3.1.1

“ ”



3.1.2



2

3.1.3

1

2

3.2

1		CO ₂		
2		CO ₂	/	/
3		CH ₄	/	/
4		CO ₂		
5		CO ₂	/	/

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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			

g

3

$$EF_i = CC_i \times OF_i \times \frac{11}{12}$$

EF_i i tCO₂/GJ

CC_i i tC/GJ

OF_i i %

i

3.3.2

CO₂

CO₂

CO₂

$$E_{CO_2, \text{硫酸盐}} = \sum_i (AD_i \times EF_i \times POR_i)$$

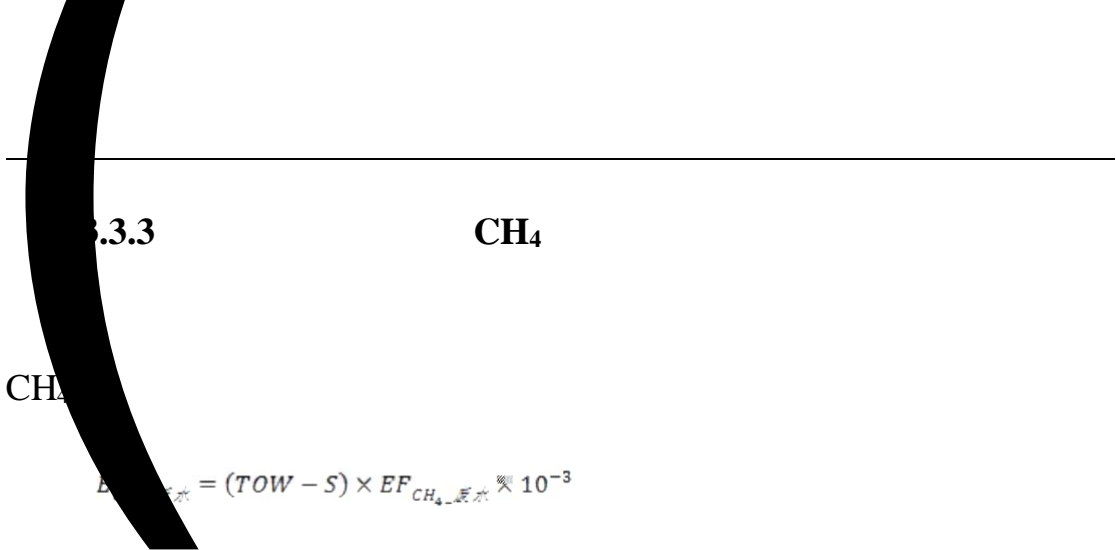
E_{CO₂}

CO₂

CO₂

i

a "



3.3.3

CH₄

CH₄

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

E_{CH₄}

CH₄

TOW

COD

COD

S

COD

COD

EF_{CH₄}

CH₄

CH₄/

COD

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

5

1
