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[2019] ZG10007

11 [2019] ZG10005

2018 12 31

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52.01% 51.50% 52.42%

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8,570.44 8,160.82

12,802.52 19,442.81 26,660.70

34,387.24 39.44%

44.08% 30.61% 37.23%

38.49% 40.64% 40.14%

	2018	2017	2016
	40.24%	**40.59%**	**38.40%**
	66.94%	67.37%	56.53%
	36.99%	36.00%	35.53%
	31.44%	57.83%	48.23%
	33.18%	**47.36%**	**82.85%**

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2018 12 31 34,387.24

14.44% 19.04% 19.60%

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14.44% 37.19%

17.06%

10.83% 27.89%

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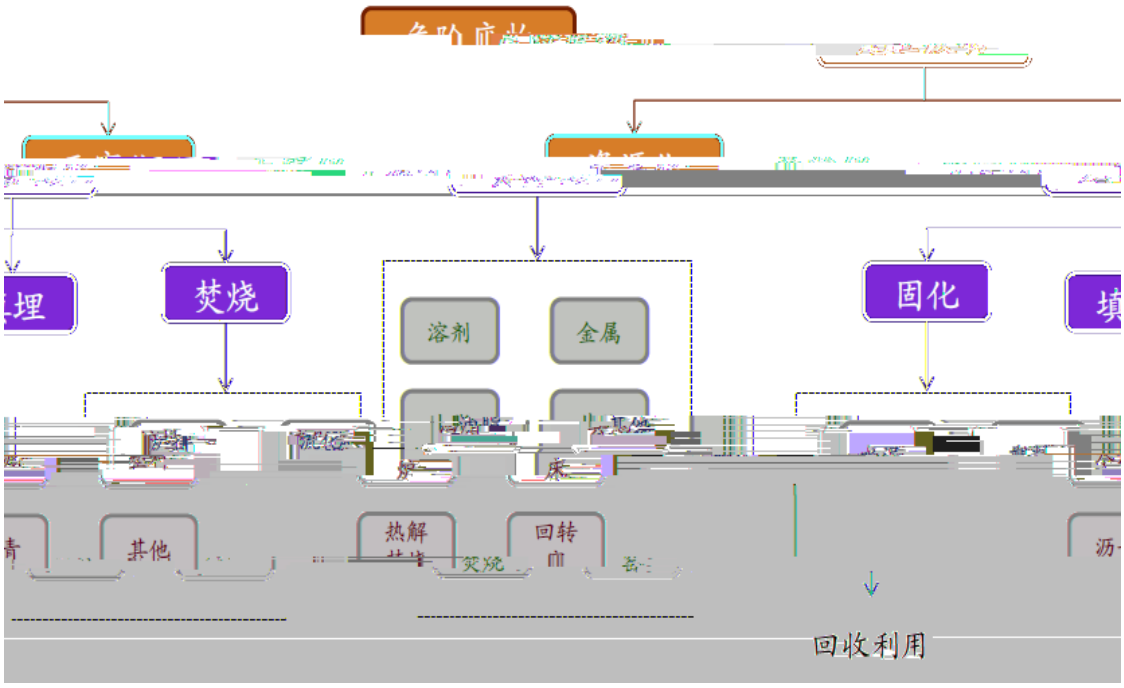

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70%

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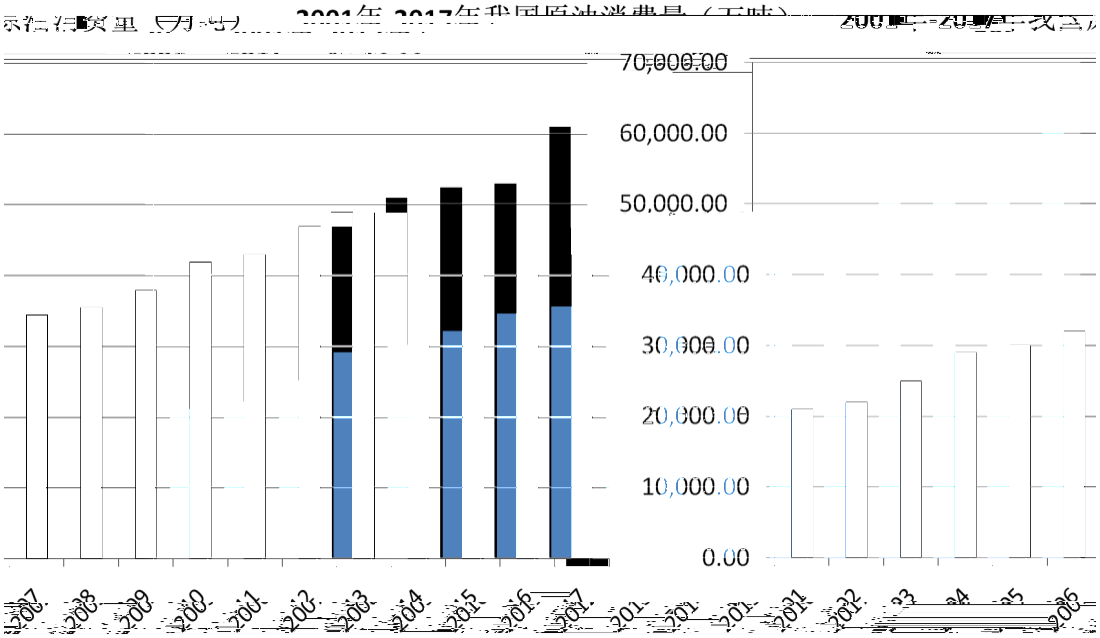
1 0.354kg

21.52

1,366 3.42 1,911.5

IEA 2014 2030



2005 1.27 41% 2009

50% 52% 2016 3.51 66% 2017

4.19 68.91%

2015 2017 1.91

2016 “

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2016 7.5 / 2015

24 /

76.7%

2017

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2017 7.72 / 2015 2016

2017 4,000 /

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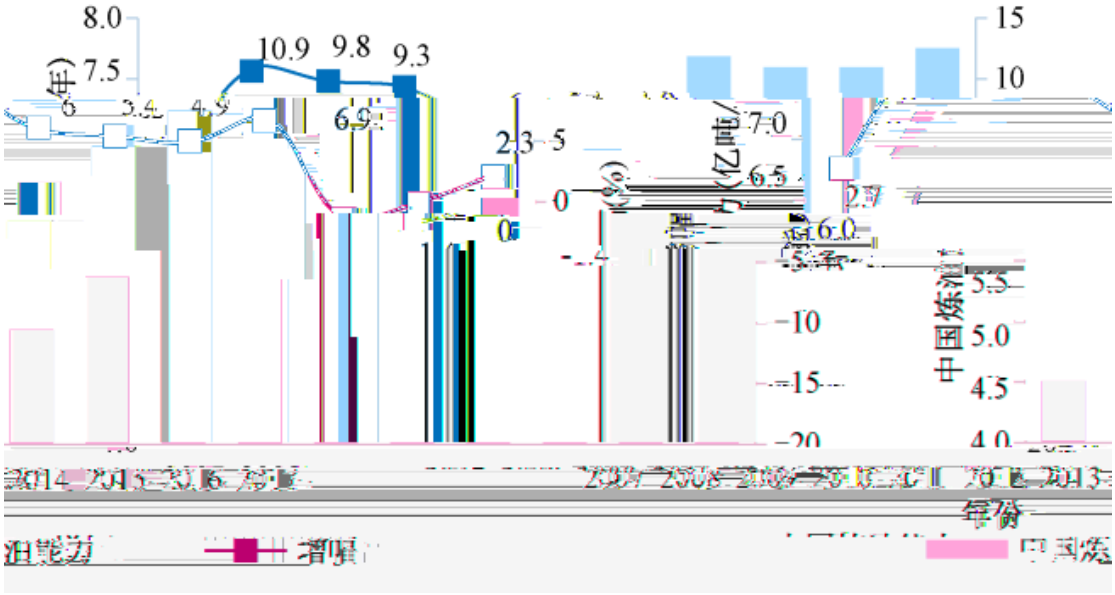

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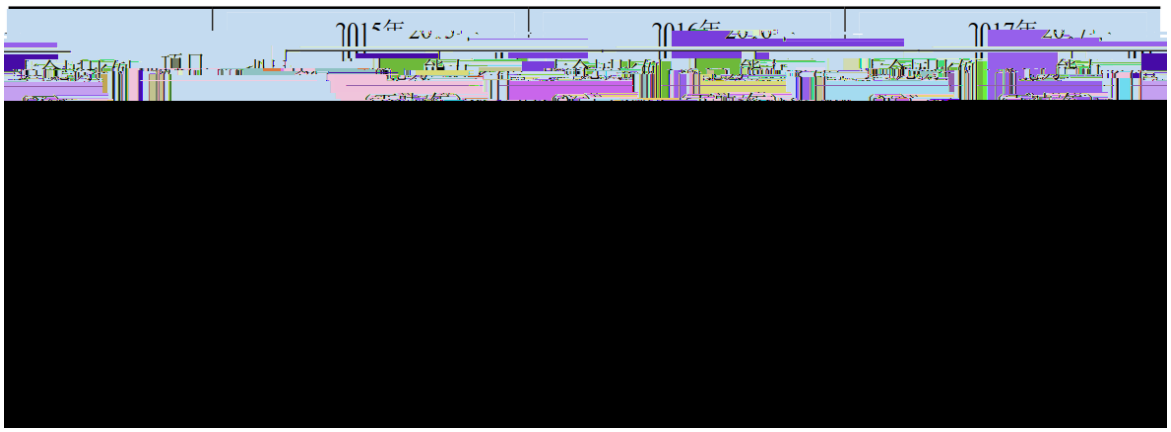
2017 25 1 3.37
/ 43.7% 1.7
743 / 746 /
413 /
754 /



2017

2017 2.6 /
2.02 / 25
2,000

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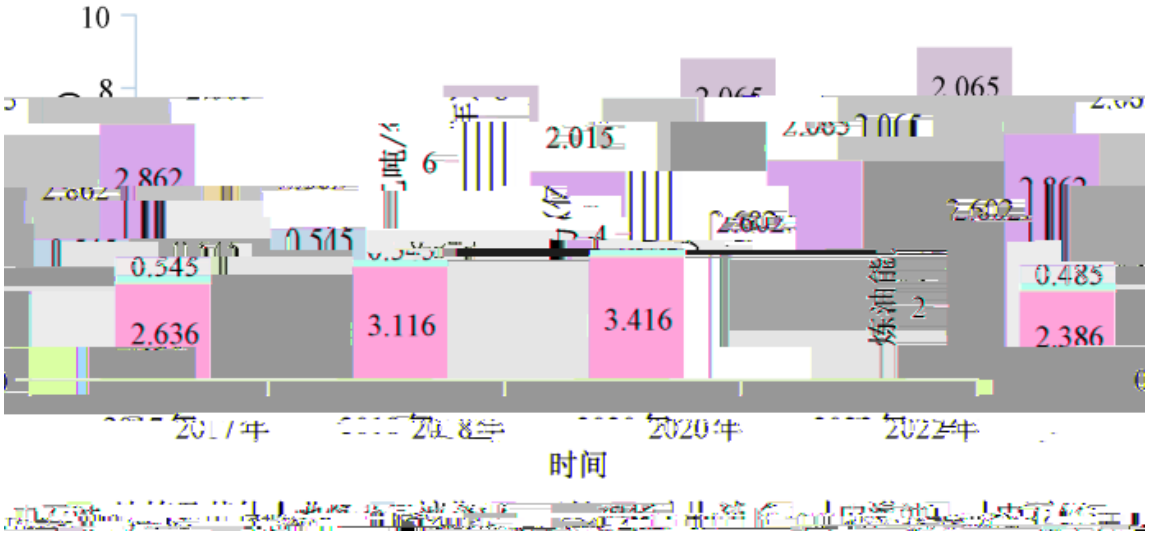

2017)

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80%

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2015

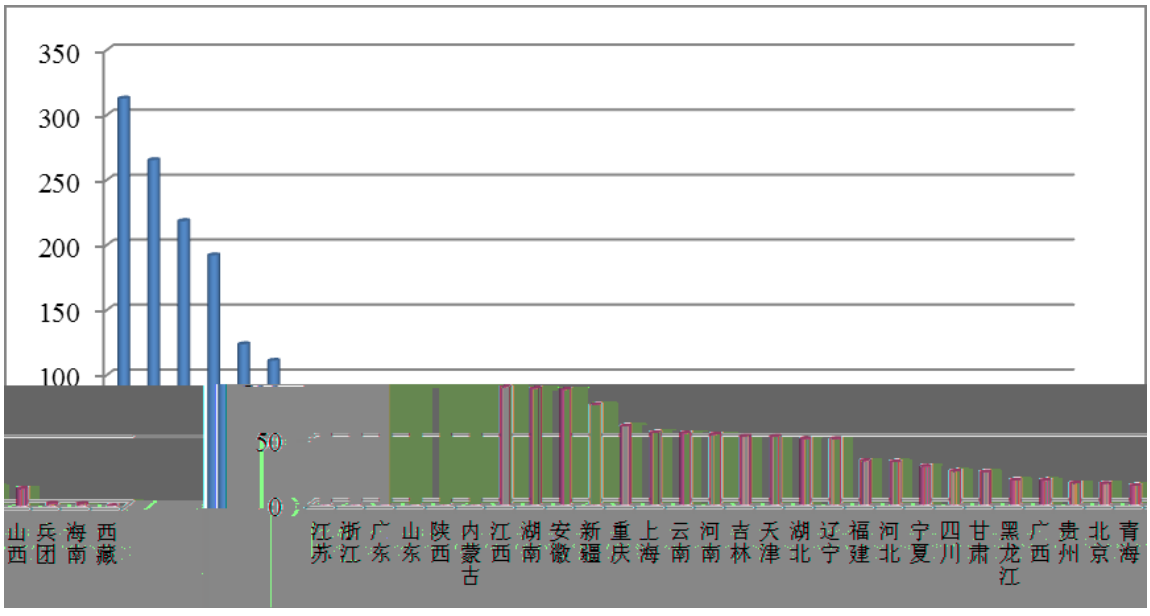
607.1 29.6% 13

80% 2006² 2016

2017

2017

2,722 8,178 /



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2012 “ ”

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2011	43,965.84	15.56
2012	46,678.92	16.52
2013	48,652.15	17.22
2014	51,546.95	18.25
2015	54,088.28	19.15
2016	54,100.00	19.15
2017	60,800.00	21.52

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FCC 2017 15,028.60 2018

20,556.26 2017 FCC

21.52

2017

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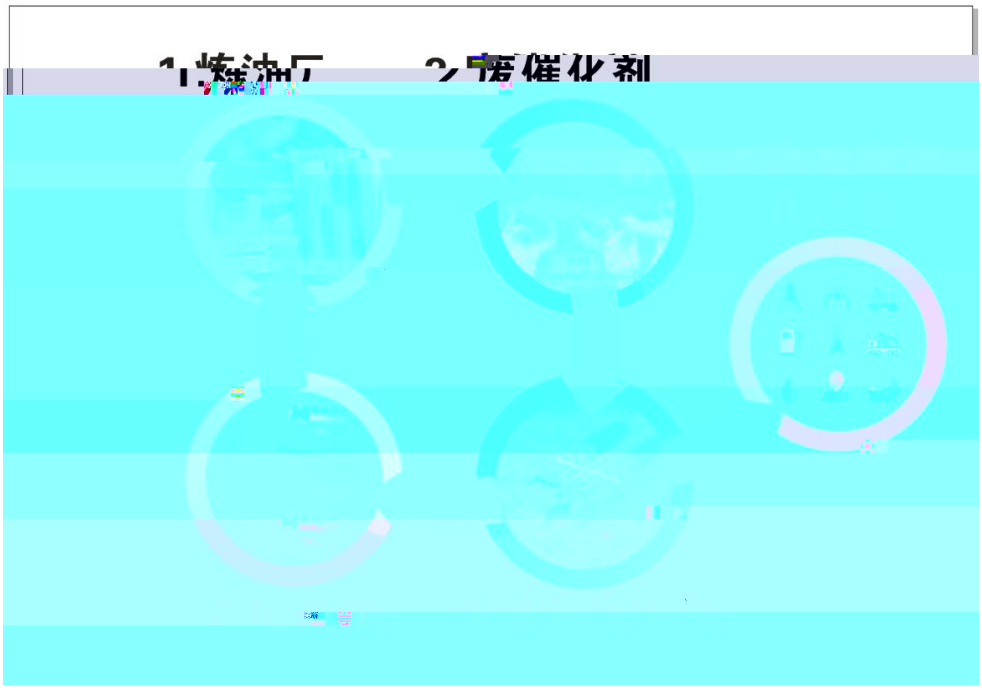

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2018

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2016 5.41 2015

3.64%

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（本页无正文，为中德证券有限责任公司《关于青岛惠城环保科技股份有限……

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中德证券有限责任公司