

300779

123118



**Qingdao Huicheng Environmental Technology Group Co., Ltd.**

57

**2022**

**A**

**2022**



81

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| ..... | <b>15</b> |
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| ..... | 26        |
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| ..... | 50        |
| ..... | 59        |
| ..... | 62        |
| ..... | 64        |
| ..... | <b>72</b> |
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| .....    | <b>78</b>  |
| .....    | 78         |
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| 12 ..... | 79         |
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| .....    | 82         |
| .....    | 82         |
| .....    | <b>83</b>  |
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| .....    | 84         |
| .....    | 84         |
| .....    | 85         |
| .....    | <b>86</b>  |
| .....    | 86         |
| .....    | 86         |
| .....    | 91         |
| .....    | 91         |
| .....    | <b>99</b>  |
| .....    | 99         |
| .....    | 100        |
| .....    | 100        |
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| .....    | 101        |
| .....    | <b>102</b> |
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| .....    | 103        |

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| ..... | 104        |
| ..... | 111        |
| ..... | <b>114</b> |
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| ..... | 121        |
| ..... | 122        |

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|  |  | 2022 A                               |
|  |  | 2022 A                               |
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|  |  |                                      |
|  |  | FORLAND PETROCHEMICAL TECHNOLOGY LLC |
|  |  |                                      |
|  |  |                                      |
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|  |                                                           |
|--|-----------------------------------------------------------|
|  |                                                           |
|  | Qingdao Huicheng Environmental Technology Group Co., Ltd. |
|  | 91370200783724899J                                        |
|  | 2006 2 27                                                 |
|  | 10,000                                                    |
|  |                                                           |
|  | 57                                                        |
|  | 57                                                        |
|  | 266520                                                    |
|  | 300779                                                    |
|  |                                                           |
|  |                                                           |
|  |                                                           |
|  | 0532-58657701                                             |
|  | 0532-58657729                                             |
|  | www.hcpect.com                                            |
|  | stock@hcpect.com                                          |

2022 6 30

100,004,149

|    |  |  |                   |               |
|----|--|--|-------------------|---------------|
|    |  |  |                   |               |
| 1  |  |  | 17,060,250        | 17.06%        |
| 2  |  |  | 10,828,500        | 10.83%        |
| 3  |  |  | 10,465,450        | 10.47%        |
| 4  |  |  | 2,725,000         | 2.73%         |
| 5  |  |  | 1,851,600         | 1.85%         |
| 6  |  |  | 1,144,600         | 1.14%         |
| 7  |  |  | 1,131,950         | 1.13%         |
| 8  |  |  | 929,100           | 0.93%         |
| 9  |  |  | 902,900           | 0.90%         |
| 10 |  |  | 832,950           | 0.83%         |
|    |  |  | <b>47,872,300</b> | <b>47.87%</b> |

17.06%



2020

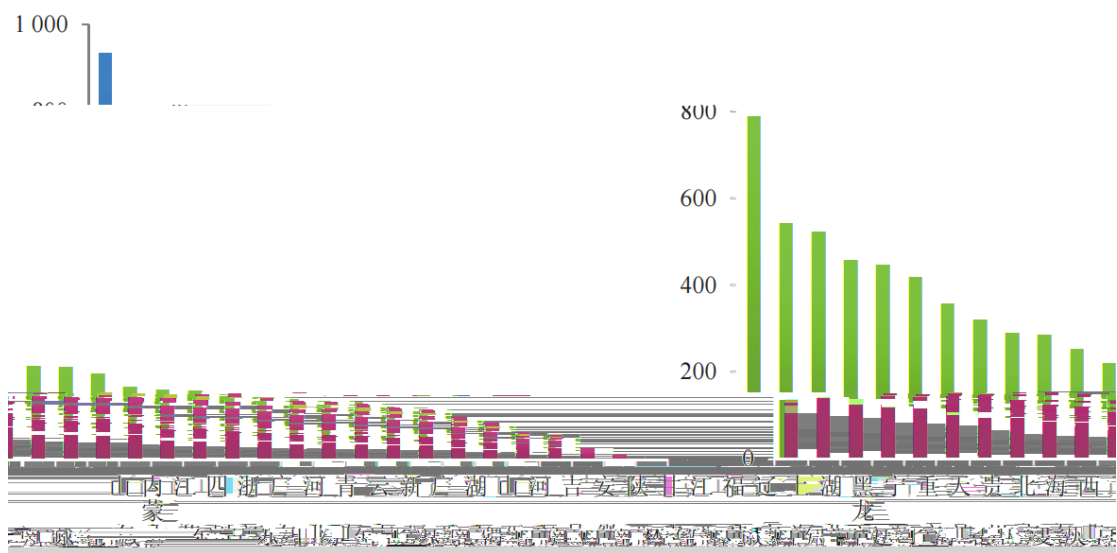
2020

7,281.80

7,630.50

2020

12.80% 7.40% 7.20% 6.30% 6.10% 2020



2020

2011

2020

31.31

1 0.354kg  
21.52  
10%  
  
2  
  
80%

20

2

10

2016

3

2020

1-1-20

**1**

1

2006

2006

14

2016

1-1-21

2

3

2

1

2

3

30%

1

2020

2013

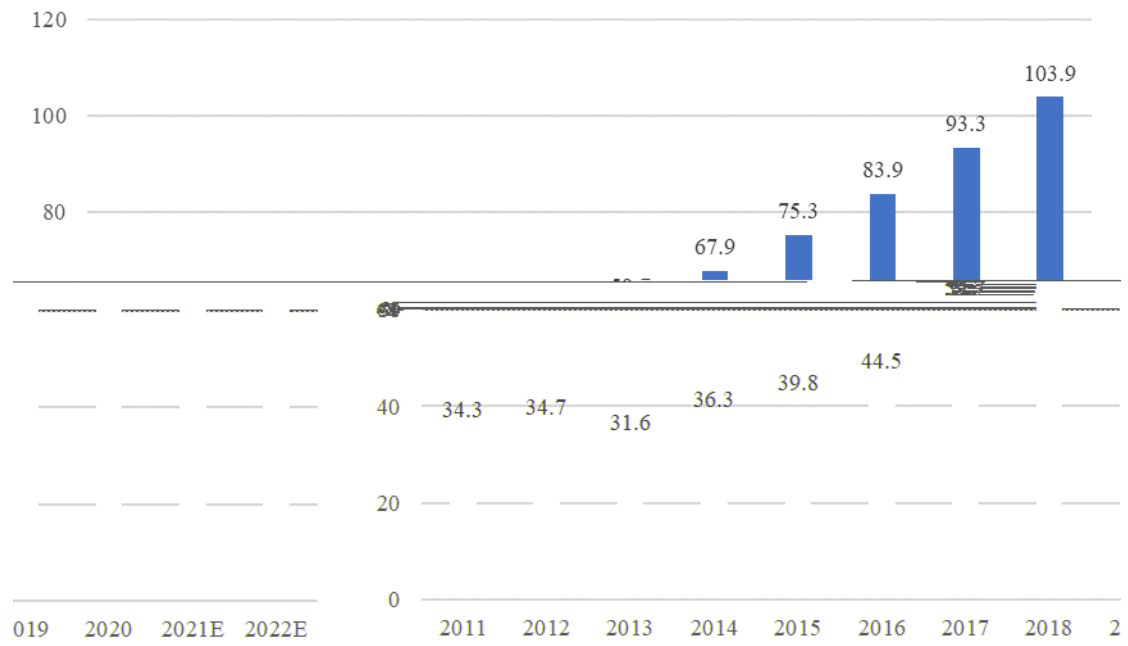
31.6

2020

83.9

14.97%

2022



50

2

2019

4,195

549

1-1-24

**3**

2012

4

|           |       |      |        |         |
|-----------|-------|------|--------|---------|
|           |       | 2020 |        | 7.35    |
| 2013-2020 |       |      | 6.01%  | 2020 12 |
|           | 1,086 |      | 476.70 |         |
|           |       | 2025 |        | 10.2 /  |
| 5,000     | /     |      |        |         |

1

[2011]19

**2**

70%

30%

**1**

2

+

+

FCC

FCC

1

1999

44

190

2003 1

H

2012 4

2021

230 /

2

2004

3

600

3

10

3 /

2 / /

1 /

1 /

2 /

1 /

4

6

FCC

5

1964

40

6

2001

836139

7

2010

MTO MTP  
2021

4.40

1

FCC

FCC

**2**

**3**

4

+

FCC

5

**6**

10

70%

**1**

2013

1-1-33

2-3

3-5

1

2016

46

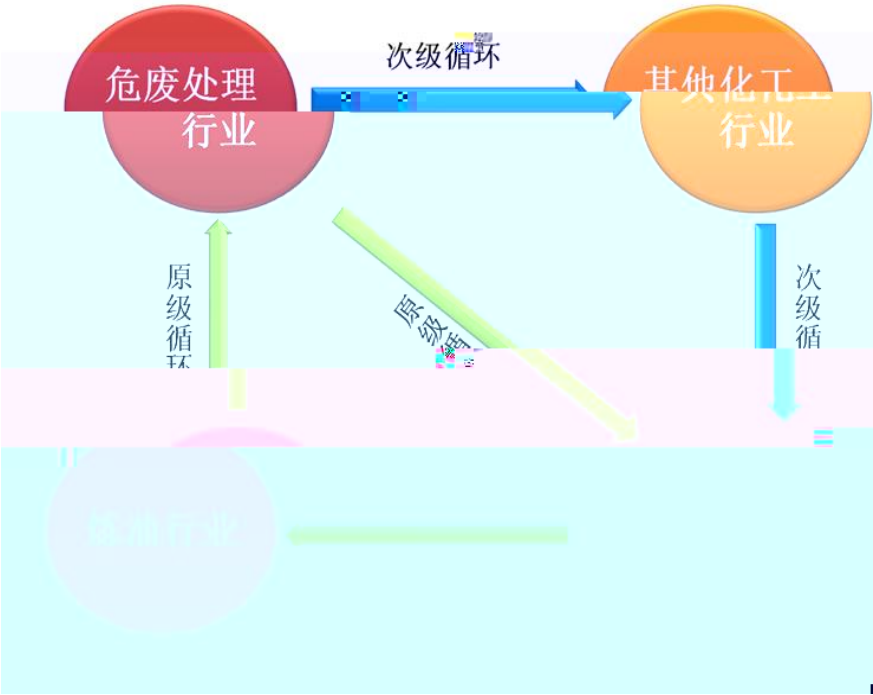
479

2

3

**4**

**1**



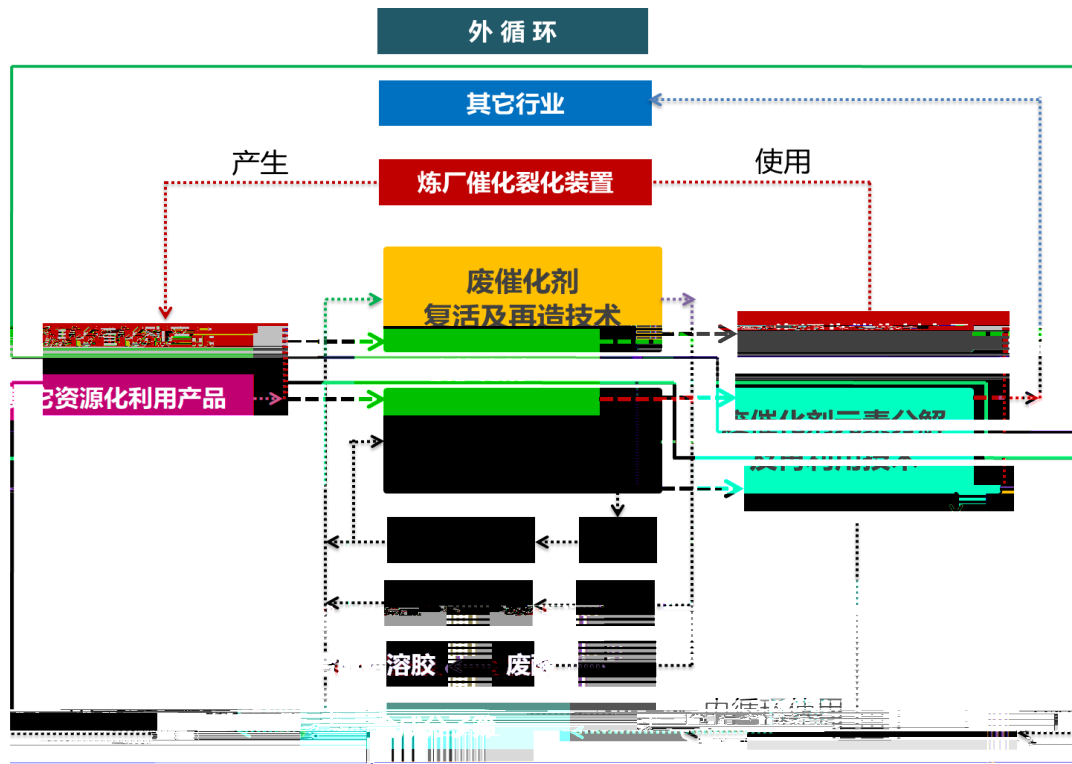
2

2020

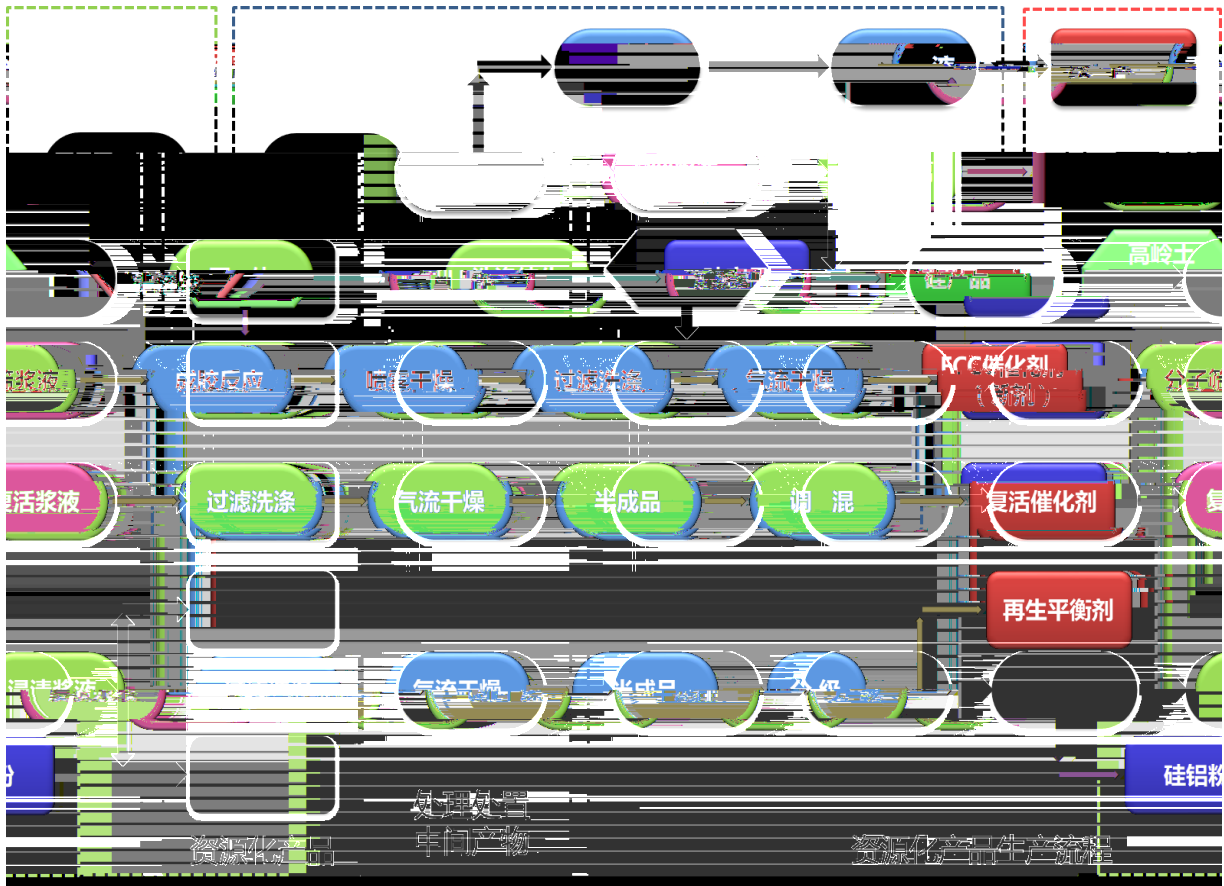
2021  
GDP

8.1%

FCC

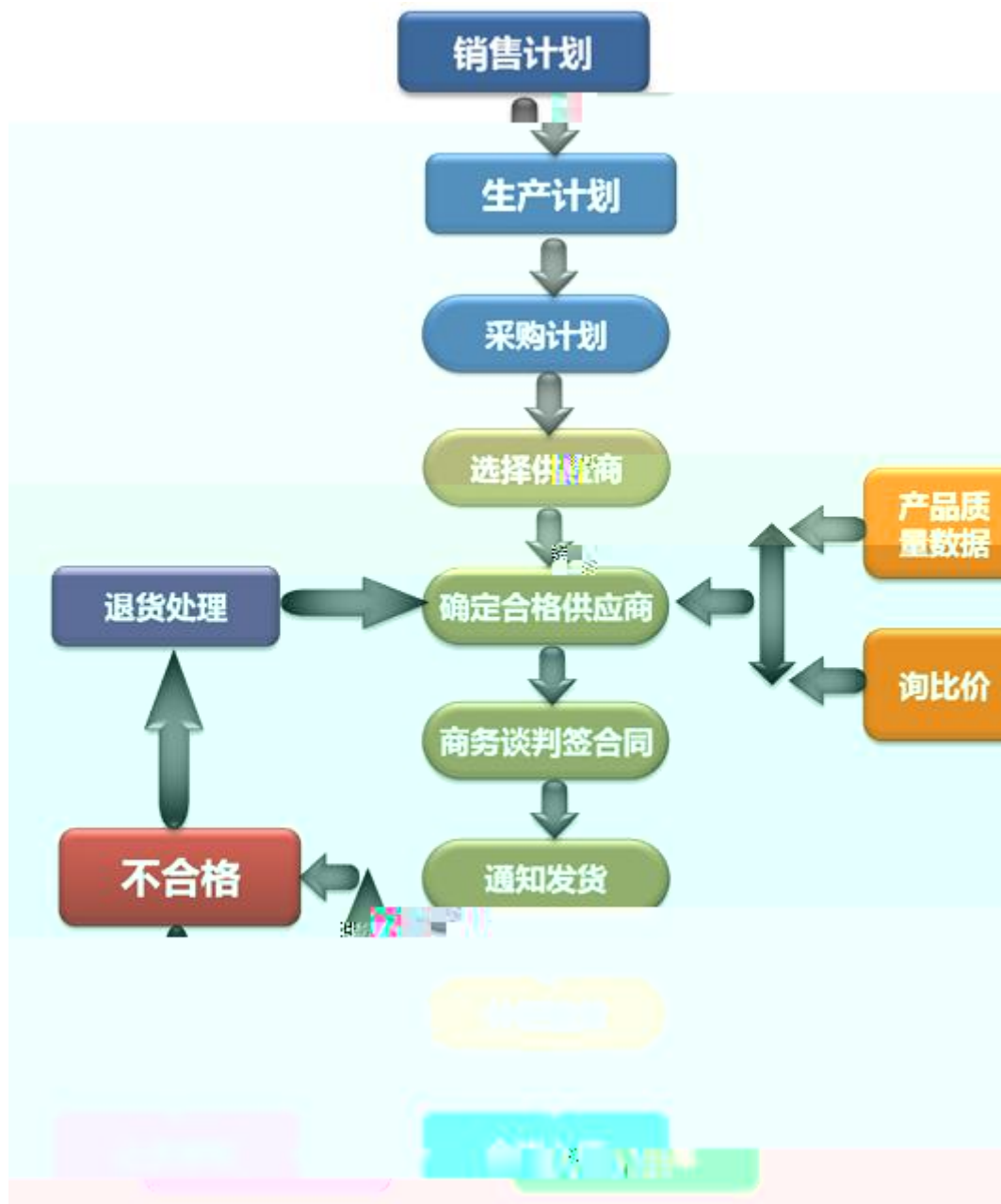








2



3

1

2

3

4

**4**

1

2

2 /

50

3



1

FCC

|  | 2022             | 1-6           | 2021             |               | 2020             |               | 2019             |               |
|--|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
|  |                  |               |                  |               |                  |               |                  |               |
|  | 1,154.86         | 8.02%         | 3,003.74         | 10.54%        | 3,833.86         | 11.84%        | 3,884.54         | 11.30%        |
|  | 8,781.04         | 60.95%        | 23,008.15        | 80.77%        | 26,629.34        | 82.22%        | 27,136.20        | 78.93%        |
|  | 4,284.81         | 29.74%        | 1,790.52         | 6.29%         | 1,407.89         | 4.35%         | 2,559.94         | 7.45%         |
|  | <b>14,220.72</b> | <b>98.71%</b> | <b>27,802.41</b> | <b>97.60%</b> | <b>31,871.09</b> | <b>98.41%</b> | <b>33,580.68</b> | <b>97.68%</b> |

2

1

FCC

|     |  | 2022 | 1-6       | 2021      | 2020      | 2019      |
|-----|--|------|-----------|-----------|-----------|-----------|
| FCC |  |      | 10,000.00 | 20,000.00 | 20,000.00 | 20,000.00 |
|     |  |      | 4,019.80  | 18,425.74 | 21,175.88 | 20,280.38 |
|     |  |      | 40.20%    | 92.13%    | 105.88%   | 101.40%   |

2019-2021

FCC

2022

1-6

2

|  |  | 2022 | 1-6       | 2021      | 2020      | 2019      |
|--|--|------|-----------|-----------|-----------|-----------|
|  |  |      | 14,240.00 | 28,480.00 | 28,480.00 | 23,480.00 |
|  |  |      | 11,546.60 | 21,149.24 | 22,657.34 | 18,986.49 |
|  |  |      | 81.09%    | 74.26%    | 79.56%    | 80.86%    |

|     |   | <b>2022</b> | <b>1-6</b> | <b>2021</b> | <b>2020</b> | <b>2019</b> |
|-----|---|-------------|------------|-------------|-------------|-------------|
| FCC |   |             | 4,019.80   | 18,425.74   | 21,175.88   | 20,280.38   |
|     |   |             | 5,957.80   | 15,517.96   | 18,974.00   | 19,022.95   |
|     | % |             | 148.21     | 84.22       | 89.60       | 93.80       |
|     |   |             | 866.4      | 3,899.20    | 2,379.40    | 1,255.40    |
|     |   |             | 1,057.86   | 3,707.86    | 1,988.40    | 1,279.20    |
|     | % |             | 122.10     | 95.09       | 83.57       | 101.90      |
|     |   |             | 649.35     | 5,899.85    |             | 7,496.38    |

2022

|             |  |                  | %            |
|-------------|--|------------------|--------------|
| 4           |  | 2,731.96         | 8.57         |
| 5           |  | 1,544.30         | 4.85         |
|             |  | <b>17,386.97</b> | <b>54.55</b> |
| <b>2019</b> |  |                  |              |
| 1           |  | 5,591.29         | 16.65        |
| 2           |  | 4,965.37         | 14.79        |
| 3           |  | 2,738.00         | 8.15         |
| 4           |  | 2,362.35         | 7.03         |
| 5           |  | 2,285.31         | 6.81         |
|             |  | <b>17,942.31</b> | <b>53.43</b> |

50%

1

|  | 2022     | 1-6    | 2021      |        | 2020      |        | 2019      |        |
|--|----------|--------|-----------|--------|-----------|--------|-----------|--------|
|  |          |        |           |        |           |        |           |        |
|  | 5,468.97 | 47.49% | 10,029.02 | 49.98% | 11,593.47 | 51.03% | 10,677.53 | 50.45% |
|  | 2,357.48 | 20.47% | 4,383.44  | 21.84% | 4,973.43  | 21.89% | 5,130.97  | 24.25% |

2

8,978.62

8,518.45      7,992.41      3,497.59      50.33%

47.49%   50.61%   35.55%

|             |            |                 | %            |
|-------------|------------|-----------------|--------------|
| <b>2022</b> | <b>1-6</b> |                 |              |
| 1           |            | 991.45          | 10.08        |
| 2           |            | 739.54          | 7.52         |
| 3           |            | 688.80          | 7.00         |
| 4           |            | 551.39          | 5.60         |
| 5           |            | 526.41          | 5.35         |
|             |            | <b>3,497.59</b> | <b>35.55</b> |
| <b>2021</b> |            |                 |              |
| 1           |            | 2,654.72        | 16.81        |
| 2           |            | 1,813.06        | 11.48        |
| 3           |            | 1,389.97        | 8.80         |
| 4           |            | 1,257.52        | 7.96         |
| 5           |            | 877.15          | 5.55         |
|             |            | <b>7,992.41</b> | <b>50.61</b> |
| <b>2020</b> |            |                 |              |
| 1           |            | 2,659.16        | 14.83        |
| 2           |            | 2,032.52        | 11.33        |
| 3           |            | 1,626.91        | 9.07         |
| 4           |            | 1,316.04        | 7.34         |
| 5           |            | 883.81          | 4.93         |
|             |            | <b>8,518.45</b> | <b>47.49</b> |
| <b>2019</b> |            |                 |              |
| 1           |            | 2,738.06        | 15.35        |
| 2           |            | 2,502.03        | 14.03        |
| 3           |            | 1,554.89        | 8.72         |
| 4           |            | 1,300.52        | 7.29         |
| 5           |            | 883.12          | 4.95         |
|             |            | <b>8,978.62</b> | <b>50.33</b> |

50%

**1**

**2**

1

2

## 1

|  | 22,971.73        | 7,103.66         | 15,868.07        | 69.08%        |
|--|------------------|------------------|------------------|---------------|
|  | 22,468.87        | 11,346.93        | 11,121.94        | 49.50%        |
|  | 873.95           | 389.29           | 484.66           | 55.46%        |
|  | 473.68           | 452.65           | 21.02            | 4.44%         |
|  | <b>46,788.23</b> | <b>19,292.54</b> | <b>27,495.69</b> | <b>58.77%</b> |

## 2

| 1 | 2016<br>0046096 |  | 338<br>1811       |   | 28,552    |  | 2043.6.3   |  | - |
|---|-----------------|--|-------------------|---|-----------|--|------------|--|---|
| 2 | 2016<br>0022174 |  | 57<br>4-7         |   | 32,705.25 |  | 2028.8.5   |  | - |
| 3 | 2016<br>0006122 |  | 57<br>1<br>2<br>3 |   |           |  | 2028.8.5   |  | - |
| 4 | 2020<br>0091455 |  | 57<br>8           |   |           |  | 2028.8.5   |  | - |
| 5 | 2016<br>0020136 |  | 398<br>2          | 1 | 29,033.34 |  | 2053.10.27 |  | - |
| 6 | 2017            |  | 9<br>A            |   | 8,558.00  |  | 2062.12.6  |  | - |

|    |         |  |      |  |            |  |            |  |   |
|----|---------|--|------|--|------------|--|------------|--|---|
|    |         |  |      |  |            |  |            |  |   |
|    | 0062207 |  | 1-12 |  |            |  |            |  |   |
| 7  | 2017    |  | 7    |  |            |  | 2062.12.6  |  | - |
|    | 0062208 |  | B    |  |            |  |            |  |   |
| 8  | 2017    |  | 5    |  |            |  | 2062.12.6  |  | - |
|    | 0062209 |  | C    |  |            |  |            |  |   |
| 9  | 2020    |  |      |  | 102,577.00 |  | 2070.11.10 |  |   |
|    | 0156001 |  |      |  |            |  |            |  |   |
| 10 | 2021    |  | 57   |  | 29,033.00  |  | 2053.10.27 |  | - |
|    | 0295081 |  | 4#   |  |            |  |            |  |   |
| 11 | 2017    |  |      |  | 20,521.35  |  | 2067.7.13  |  | - |
|    | 0004395 |  |      |  |            |  |            |  |   |
| 12 | 2018    |  |      |  |            |  |            |  |   |
|    | 0002994 |  |      |  |            |  |            |  |   |

0156001 260,000,000.00

|   |                 |  |                |  |           |  |    |
|---|-----------------|--|----------------|--|-----------|--|----|
|   |                 |  |                |  |           |  |    |
| 1 | 2016<br>0046096 |  | 338 1811       |  | 81.71     |  | -- |
| 2 | 2016<br>0022174 |  | 57 4-7         |  | 16,619.87 |  | -- |
| 3 | 2016<br>0006122 |  | 57 1<br>2<br>3 |  | 5,055.66  |  | -- |
| 4 | 2020<br>0091455 |  | 57 8           |  | 1,425.20  |  | -- |
| 5 | 2016<br>0020136 |  | 398 1<br>2     |  | 5,074.04  |  | -- |
| 6 | 2017<br>0062207 |  | 9<br>A<br>1-12 |  | 13,058.14 |  | -- |
| 7 | 2017<br>0062208 |  | 7<br>B         |  | 947.52    |  | -- |
| 8 | 2017<br>0062209 |  | 5<br>C         |  | 2,984.52  |  | -- |

3

|  |  |                     |          |  |
|--|--|---------------------|----------|--|
|  |  |                     |          |  |
|  |  | 16 /<br>62.57 63.34 | 1300 / / |  |

|  |  |                      |                                           |                           |
|--|--|----------------------|-------------------------------------------|---------------------------|
|  |  |                      |                                           |                           |
|  |  |                      |                                           |                           |
|  |  | A 4 5 <sup>167</sup> | 2,300 / / 8<br>2,000 / / 6<br>1,600 / / 4 | 2022.01.01-202<br>2.06.30 |
|  |  | 10 /<br>312          | 750 / /                                   | 2022.02.01-202<br>2.07.31 |

|  |  |          |         |                         |
|--|--|----------|---------|-------------------------|
|  |  |          |         |                         |
|  |  | 500.00   | 1.6 / . | 2021.6.1-<br>2024.5.31  |
|  |  | 1,058.27 | 1.6 / . | 2018.10.1-<br>2023.9.30 |
|  |  | 1,058.27 | 40 / .  | 2018.4.1-<br>2028.3.31  |

## 4

|    |           |   |        |        |    |        |
|----|-----------|---|--------|--------|----|--------|
|    |           |   |        |        |    |        |
| 1  |           | 2 | 618.44 | 51.71  | 10 | 8.36%  |
| 2  | S809      | 1 | 444.85 | 308.49 | 10 | 69.35% |
| 3  |           | 1 | 366.27 | 290.87 | 10 | 79.41% |
| 4  |           | 1 | 303.34 | 22.96  | 10 | 7.57%  |
| 5  | E-740     | 1 | 293.23 | 203.35 | 10 | 69.35% |
| 6  |           | 1 | 290.6  | 207.77 | 10 | 71.50% |
| 7  | HVPF-55m2 | 2 | 237.61 | 169.88 | 10 | 71.50% |
| 8  |           | 1 | 205.6  | 142.58 | 10 | 69.35% |
| 9  |           | 2 | 231.99 | 23.29  | 10 | 10.04% |
| 10 | 40T/H     | 1 | 116.77 | 8.59   | 10 | 7.36%  |
| 11 | 40T/H     | 1 | 110.42 | 8.07   | 10 | 7.31%  |
| 12 | NaY       | 1 | 109.63 | 11.41  | 10 | 10.41% |
| 13 | HVPF-40m2 | 1 | 100    | 71.5   | 10 | 71.50% |
| 14 |           | 1 | 95.97  | 7.01   | 10 | 7.30%  |
| 15 |           | 1 | 93.86  | 79.72  | 10 | 84.94% |
| 16 | D821      | 1 | 89.72  | 62.22  | 10 | 69.35% |

|    |  |   |       |       |    |        |
|----|--|---|-------|-------|----|--------|
| 17 |  | 1 | 88.49 | 73.78 | 10 | 83.38% |
| 18 |  | 1 | 73.5  | 52.55 | 10 | 71.50% |
| 19 |  | 2 | 73.5  | 52.55 | 10 | 71.50% |
| 20 |  | 1 | 70.8  | 50.61 | 10 | 71.48% |

35kv

35kv

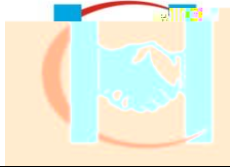
2021 7 30

2024 7 30

35kv

12 /

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|   |  |                                                                                     |          |   |          |  |
|---|--|-------------------------------------------------------------------------------------|----------|---|----------|--|
|   |  |                                                                                     |          |   |          |  |
| 1 |  |   | 10253441 | 1 | 2023.3.6 |  |
| 2 |  |  | 10253510 | 1 | 2023.2.6 |  |

2

|   |     |  |  |                  |           |            |    |  |  |
|---|-----|--|--|------------------|-----------|------------|----|--|--|
|   |     |  |  |                  |           |            |    |  |  |
| 1 | FCC |  |  | ZL200810014209.8 | 2008.1.28 | 2010.10.20 | 20 |  |  |
| 2 |     |  |  | ZL201110124965.8 | 2011.5.5  | 2013.5.1   | 20 |  |  |
| 3 |     |  |  | ZL201320139452.9 | 2013.3.17 | 2013.9.18  | 10 |  |  |

|    |                   |  |  |                   |            |            |    |  |  |
|----|-------------------|--|--|-------------------|------------|------------|----|--|--|
|    |                   |  |  |                   |            |            |    |  |  |
|    |                   |  |  |                   |            |            |    |  |  |
| 4  |                   |  |  | ZL201110263254.9  | 2011.8.24  | 2014.12.17 | 20 |  |  |
| 5  | FCC<br>NOX        |  |  | ZL201420869225.6  | 2014.12.28 | 2015.8.26  | 10 |  |  |
| 6  |                   |  |  | ZL201410085216.2  | 2014.3.6   | 2016.11.16 | 20 |  |  |
| 7  |                   |  |  | ZL201510074806.X  | 2015.2.7   | 2017.3.22  | 20 |  |  |
| 8  |                   |  |  | ZL 201720143994.1 | 2017.2.17  | 2017.9.29  | 10 |  |  |
| 9  | SiCl <sub>4</sub> |  |  | ZL201510178636.X  | 2015.4.15  | 2017.3.15  | 20 |  |  |
| 10 |                   |  |  | ZL201510468726.2  | 2015.8.3   | 2018.8.28  | 20 |  |  |
| 11 | ZSM-5/Y           |  |  | ZL201610079650.9  | 2016.2.5   | 2019.1.1   | 20 |  |  |
| 12 |                   |  |  | ZL201610506039.X  | 2016.6.30  | 2019.2.19  | 20 |  |  |
| 13 |                   |  |  | ZL201610079649.6  | 2016.2.5   | 2019.11.15 | 20 |  |  |



|    |  |  |  |                  |            |            |    |  |  |
|----|--|--|--|------------------|------------|------------|----|--|--|
|    |  |  |  |                  |            |            |    |  |  |
| 25 |  |  |  | ZL201922464546.3 | 2019.12.31 | 2020.12.22 | 10 |  |  |
| 26 |  |  |  | ZL201922432375.6 | 2019.12.30 | 2020.11.13 | 10 |  |  |
| 27 |  |  |  | ZL201922434713.X | 2019.12.30 | 2020.11.3  | 10 |  |  |
| 28 |  |  |  | ZL201922432356.3 | 2019.12.30 | 2020.10.20 | 10 |  |  |
| 29 |  |  |  | ZL201922464556.7 | 2019.12.31 | 2020.10.9  | 10 |  |  |
| 30 |  |  |  | ZL201922464550.X | 2019.12.31 | 2020.9.22  | 10 |  |  |
| 31 |  |  |  | ZL201922434692.1 | 2019.12.30 | 2020.9.15  | 10 |  |  |
| 32 |  |  |  | ZL201310500360.3 | 2013.10.14 | 2015.4.29  | 20 |  |  |

|    |  |  |  |                   |            |           |    |  |  |
|----|--|--|--|-------------------|------------|-----------|----|--|--|
|    |  |  |  |                   |            |           |    |  |  |
| 33 |  |  |  | ZL 202122410634.2 | 2021.09.28 | 2022.4.19 | 10 |  |  |
| 34 |  |  |  | ZL 202121521425.9 | 2021.07.06 | 2022.4.19 | 10 |  |  |
| 35 |  |  |  | ZL202011469701.1  | 2020.12.15 | 2022.6.28 | 20 |  |  |
| 36 |  |  |  | ZL202220258519.X  | 2022.02.08 | 2022.6.7  | 10 |  |  |
| 37 |  |  |  | ZL202123381831.2  | 2021.12.29 | 2022.5.13 | 10 |  |  |
| 38 |  |  |  | ZL202123366628.8  | 2021.12.29 | 2022.5.13 | 10 |  |  |

|     |  |  |                                           |                          |
|-----|--|--|-------------------------------------------|--------------------------|
|     |  |  |                                           |                          |
| 99  |  |  | HW50,251-017-50<br>18,480 /               | 2019.1.25<br>2024.1.25   |
| 118 |  |  | HW50<br>251-016-50 251-017-50<br>10,000 / | 2019.11.19<br>2022.11.18 |

|  | 2022          | 1-6            | 2021            |                | 2020            |                | 2019            |                |
|--|---------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
|  |               |                |                 |                |                 |                |                 |                |
|  | 453.94        | 56.32%         | 924.17          | 53.98%         | 741.34          | 49.55%         | 930.81          | 47.41%         |
|  | 164.44        | 20.40%         | 214.90          | 12.55%         | 198.03          | 13.24%         | 449.97          | 22.92%         |
|  | 79.07         | 9.81%          | 281.16          | 16.42%         | 231.36          | 15.46%         | 309.45          | 15.76%         |
|  | 1.21          | 0.15%          | 135.96          | 7.94%          | 269.12          | 17.99%         | 269.88          | 13.75%         |
|  | 97.00         | 12.03%         | 120.68          | 7.05%          | 11.37           | 0.76%          | -               | -              |
|  | 10.33         | 1.28%          | 35.09           | 2.05%          | 44.91           | 3.00%          | 3.10            | 0.16%          |
|  | <b>805.98</b> | <b>100.00%</b> | <b>1,711.96</b> | <b>100.00%</b> | <b>1,496.13</b> | <b>100.00%</b> | <b>1,963.21</b> | <b>100.00%</b> |

|  | 2022      | 1-6 | 2021      | 2020      | 2019      |
|--|-----------|-----|-----------|-----------|-----------|
|  | 805.98    |     | 1,711.96  | 1,496.13  | 1,963.21  |
|  | 14,406.30 |     | 28,486.22 | 32,385.97 | 34,379.47 |
|  | 5.59%     |     | 6.01%     | 4.62%     | 5.71%     |

1

1978 4

2011 2015

2015



FCC

**1 FCC**

FCC

**2 FCC**

**3**

**4**



2021

2022

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2022

POX

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|  | 2022 | 1-6 | 2021 |   | 2020 |   | 2019 |
|--|------|-----|------|---|------|---|------|
|  |      |     |      | % |      | % |      |

|           |        |  |        |           |  |           |     |           |
|-----------|--------|--|--------|-----------|--|-----------|-----|-----------|
|           |        |  |        | 34,379.47 |  | 32,385.97 |     | 28,486.22 |
| 14,406.30 |        |  |        | 4,285.93  |  | 2,701.52  |     | 1,175.42  |
| -472.40   |        |  |        |           |  |           |     |           |
| 2020      |        |  |        | 1,993.50  |  |           |     | 1,584.41  |
| 5.80%     | 36.97% |  | 2021   |           |  |           |     | 3,899.75  |
| 1,526.10  |        |  | 12.04% | 56.49%    |  | 2022      | 1-6 |           |
|           | 917.32 |  |        | 6.80%     |  |           |     |           |

1

|  |  | 2021     |        | 2020     |        | 2019     |        |
|--|--|----------|--------|----------|--------|----------|--------|
|  |  |          |        |          |        |          |        |
|  |  | -        | -      | 566.28   | 200.73 | 2,362.35 | 820.96 |
|  |  | -        | -      | 215.41   | 56.56  | 465.19   | 120.64 |
|  |  | -        | -      | 409.36   | 134.03 | 723.97   | 219.33 |
|  |  | 1,096.70 | 264.23 | 1,544.30 | 399.60 | 1,447.26 | 452.95 |

|  | 2021            |                 | 2020            |                 | 2019             |                 |
|--|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|
|  |                 |                 |                 |                 |                  |                 |
|  |                 |                 |                 |                 |                  |                 |
|  |                 |                 |                 |                 |                  |                 |
|  | 710.57          | 181.44          | 763.63          | 200.20          | 902.42           | 277.16          |
|  | <b>1,807.27</b> | <b>445.67</b>   | <b>3,498.98</b> | <b>991.12</b>   | <b>5,901.19</b>  | <b>1,891.04</b> |
|  | 1,854.45        | 1,078.50        | 4,007.49        | 1,993.43        | 5,591.29         | 2,590.80        |
|  | <b>3,661.72</b> | <b>1,524.17</b> | <b>7,506.48</b> | <b>2,984.56</b> | <b>11,492.48</b> | <b>4,481.82</b> |
|  | <b>12.85%</b>   | <b>18.90%</b>   | <b>23.18%</b>   | <b>31.98%</b>   | <b>33.43%</b>    | <b>35.78%</b>   |

2020

1,993.50

1,584.41

3,986.00

1,497.27

2021

3,899.75

1,526.10

3,844.76

1,460.39

2022 1-6

14,406.30

2022

2022 1-6

1,131.32

2022 1-6

2022

2019

|  | 2022 | 1-6           | 2021          | 2020          | 2019          |
|--|------|---------------|---------------|---------------|---------------|
|  |      | 19.03%        | 27.82%        | 28.71%        | 34.44%        |
|  |      | -25.19%       | 47.97%        | 35.51%        | 13.67%        |
|  |      | <b>18.46%</b> | <b>28.31%</b> | <b>28.82%</b> | <b>33.96%</b> |

33.96% 28.82% 28.31% 18.46%

2

|     | 2022          | 2021          | 2020          | 2019          | 2021          | 2020          |
|-----|---------------|---------------|---------------|---------------|---------------|---------------|
|     | 1-6           |               |               |               | 2020          | 2019          |
|     | <b>19.03%</b> | <b>27.82%</b> | <b>28.71%</b> | <b>34.44%</b> | <b>-0.89%</b> | <b>-5.73%</b> |
|     | 0.87%         | 32.10%        | 52.43%        | 64.34%        | -20.33%       | -11.91%       |
|     | 14.77%        | 25.75%        | 24.36%        | 29.13%        | 1.39%         | -4.78%        |
| FCC | 14.88%        | 27.30%        | 26.35%        | 29.10%        | 0.95%         | -2.75%        |
|     | <b>18.46%</b> | <b>28.31%</b> | <b>28.82%</b> | <b>33.96%</b> | <b>-0.51%</b> | <b>-5.14%</b> |

2019 2021 64.34%

52.43% 32.10% 2020 11.91% 2021

2020 20.33% 2022 1-6

31.23%

3

29.13% 24.36% 25.75%

14.77% FCC

FCC

|   | 2022 | 1-6       | 2021      | 2020      | 2019      |
|---|------|-----------|-----------|-----------|-----------|
|   |      | 6,753.13  | 18,217.37 | 22,393.99 | 24,204.45 |
|   |      | 5,748.27  | 13,244.26 | 16,492.90 | 17,160.23 |
|   |      | 5,529.48  | 14,499.30 | 17,683.20 | 17,689.35 |
| / |      | 12,212.96 | 12,564.32 | 12,664.00 | 13,683.06 |
| / |      | 10,395.68 | 9,134.42  | 9,326.88  | 9,700.88  |

1-1-67

2022

|   | 2022 | 1-6      | 2021     | 2020     | 2019     |
|---|------|----------|----------|----------|----------|
| / |      | 1,817.28 | 3,429.90 | 3,337.12 | 3,982.18 |
|   |      | 14.88%   | 27.30%   | 26.35%   | 29.10%   |

FCC

29.10% 26.35% 27.30%

14.88%

1 2020

2020 FCC

/

|   | 2022 1-6 | 2021     | 2020     | 2019     |
|---|----------|----------|----------|----------|
| / | 968.38   | 1,451.44 | 1,951.42 | 2,053.31 |
| / | 797.30   | 721.58   | 673.63   | 692.47   |
| / | 171.08   | 729.86   | 1,277.79 | 1,360.84 |
|   | 17.67%   | 50.29%   | 65.48%   | 66.28%   |

2022 1-6

2022 1-6

2021

15.57%-51.13%

3

|      |      |  |
|------|------|--|
|      |      |  |
|      |      |  |
|      |      |  |
|      |      |  |
|      |      |  |
| Wind | 2021 |  |

|  | 2022 1-6         |                 |               | 2021              |                 |               |
|--|------------------|-----------------|---------------|-------------------|-----------------|---------------|
|  |                  |                 |               |                   |                 |               |
|  | 203,345.98       | 671.53          | 20.23%        | 401,523.04        | 15,584.19       | 27.48%        |
|  | 17,326.39        | 1,139.21        | 21.76%        | 11,306.23         | 1,570.22        | 43.72%        |
|  | 21,242.28        | 2,354.69        | 29.96%        | 48,206.00         | 2,356.99        | 34.51%        |
|  | <b>80,638.22</b> | <b>1,388.48</b> | <b>23.98%</b> | <b>153,678.42</b> | <b>6,503.80</b> | <b>35.24%</b> |
|  | <b>14,406.30</b> | <b>-472.40</b>  | <b>18.46%</b> | <b>28,486.22</b>  | <b>1,175.42</b> | <b>28.31%</b> |
|  | 2020             |                 |               | 2019              |                 |               |
|  |                  |                 |               |                   |                 |               |
|  | 331,502.12       | 33,349.45       | 34.12%        | 345,859.11        | 46,671.79       | 36.08%        |
|  | 8,505.45         | -199.68         | 26.26%        | 12,871.57         | 134.85          | 25.23%        |

2022

|  |                   |                  |               |                   |                  |               |
|--|-------------------|------------------|---------------|-------------------|------------------|---------------|
|  | 31,840.23         | 2,466.19         | 34.57%        | 26,644.90         | 343.2            | 24.99%        |
|  | <b>123,949.27</b> | <b>11,871.99</b> | <b>31.65%</b> | <b>128,458.53</b> | <b>15,716.61</b> | <b>28.77%</b> |
|  | <b>32,385.97</b>  | <b>2,701.52</b>  | <b>28.82%</b> | <b>34,379.47</b>  | <b>4,285.93</b>  | <b>36.44%</b> |

2019      2022      6

2022

2022      7-8

|      |     |      |     |       |
|------|-----|------|-----|-------|
|      |     | 2020 |     | 101.6 |
|      | 100 |      | 17% |       |
| 2006 |     |      |     |       |
|      |     |      |     | +     |
|      | +   |      |     |       |
|      | 3   | /    | FCC | 4     |
| /    | FCC |      |     |       |

**1**



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2021

2022 6 20

11,720.00

3,000

11,770.00

2021

0.05 /

2022 6 20

11,720.00

35,160.00

12

11,720.00

35,160.00

17,060,250

17.06%

10,828,500

10.83%

1-1-76

2022

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27,888,750

27.89%

3,000

57,888,750

44.53%

2021

1970 5

370502197005\*\*\*\*\*

|   |  |      |      |    |      |      |      |   |  |
|---|--|------|------|----|------|------|------|---|--|
|   |  |      |      |    |      |      |      |   |  |
| 1 |  | 2015 | 2020 | 4  | 2021 | 9    | 2022 | 4 |  |
|   |  | 2015 | 2022 | 4  |      | 2022 | 4    |   |  |
| 2 |  | 2011 |      |    |      |      |      |   |  |
| 3 |  |      | 2017 |    |      |      |      |   |  |
| 4 |  |      | 2020 | 12 |      |      |      |   |  |
| 5 |  | 2019 | 8    |    |      |      |      |   |  |

|   |  |      |      |     |        |        |
|---|--|------|------|-----|--------|--------|
|   |  |      |      |     |        |        |
| 1 |  | RFCC | PFCC | FCC | 10,000 | 17.06% |

|   |  |     |  |        |        |
|---|--|-----|--|--------|--------|
|   |  |     |  |        |        |
| 2 |  |     |  | 1,700  | 96.03% |
| 3 |  | FCC |  | 15,700 | 4.46%  |
| 4 |  |     |  | 1,000  | 22.50% |

**1**

2022 4 18

**2**

35,160.00

2.20

**3**

2,788.88

3,000.00

5,788.88

450.00

450.00

35,160.00

30%

50%

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30%\*

50%=

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|      |           |
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|      |           |
| 170% |           |
| 150% |           |
| =    | x x = x x |

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| 170% |  |

|      |   |   |   |   |   |
|------|---|---|---|---|---|
| 2022 |   |   |   |   |   |
|      |   |   |   |   |   |
| 150% |   |   |   |   |   |
| =    | x | x | = | x | x |

2022 4

28 11.44 /

2022 6 27.89%  
10.47% 5%

36 2021

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2022 4 18

**1**

11.77 /

20

80%

20

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$$P1=P0-D$$

$$P1=P0/(1+N)$$

$$P1=(P0-D)/(1+N)$$

P0

D

N

P1

2022 5

2021

2022 6 20

0.05 /

11.72 /

11,720.00

35,160.00

2

1,000

3,000

30%

3

4

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1%

4

2021 11.72 /  
 11,720.00  
 35,160.00

**1**

27.89%

3,000  
 57,888,750 44.53%

**2**

FCC

3 / FCC

4 / FCC

**3**

**1**

**2**

1

3 / FCC

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-7,486.09

4

1

2022-2024

32,976.36

1-1-88

2022

3 / FCC

4 / FCC

|   |         |           |           |
|---|---------|-----------|-----------|
|   |         |           |           |
| 1 | 3 / FCC | 2022 9 30 | 10,073.00 |
| 2 | 4 / FCC | 2022 8 31 | 45,587.00 |
| 3 |         | 2022 8 31 | 59,831.00 |

2022 8 9

2022 2023 2024

5% 40% 90%

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|         | 2022 E           | 2023 E           | 2024 E            |
|---------|------------------|------------------|-------------------|
|         | 29,910.53        | 31,406.06        | 32,976.36         |
| 3 / FCC | 503.65           | 4,029.20         | 9,065.70          |
| 4 / FCC | 2,279.35         | 18,234.80        | 41,028.30         |
|         | 2,991.55         | 23,932.40        | 53,847.90         |
|         | <b>35,685.08</b> | <b>77,602.46</b> | <b>136,918.26</b> |

4

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|  | 2021      | 2021    |
|--|-----------|---------|
|  | 28,486.22 | 100.00% |

2022

|  | 2021      | 2021   |
|--|-----------|--------|
|  | 20,961.40 | 73.58% |
|  | -         | -      |
|  | 11,967.54 |        |

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2019 5

2021 7

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2019 822

A 2,500

13.59 /

33,975.00

4,153.77

29,821.23

1-1-91

2022

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2019

5 17

2019

ZG11501

**2 2021**

2021 1178

32,000.00

778.42

31,221.58

2021 7 13

2021 ZG11716

2022 6

2022

| 29,821.23 |  |           |  | 16,470.13 |  |           |  |
|-----------|--|-----------|--|-----------|--|-----------|--|
|           |  | 15,184.95 |  | 2019      |  | 12,788.42 |  |
|           |  | 50.92%    |  | 2020      |  | 884.03    |  |
|           |  |           |  | 2021      |  | 1,170.52  |  |
|           |  |           |  | 2022 1-6  |  | 1,627.16  |  |
|           |  |           |  |           |  |           |  |
|           |  |           |  |           |  |           |  |
|           |  |           |  |           |  |           |  |
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|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|         |         |         | 31,221.58 |           |           | 19,895.82 |           |           |           |           |
|         |         |         |           |           |           | 2021      |           | 16,743.96 |           |           |
|         |         |         |           |           |           | 2022 1-6  |           | 3,151.86  |           |           |
|         |         |         |           |           |           |           |           |           |           |           |
|         |         |         |           |           |           |           |           |           |           |           |
| 1       | 4 / FCC | 4 / FCC | 31,221.58 | 31,221.58 | 31,221.58 | 31,221.58 | 31,221.58 | 19,895.82 | 11,325.76 | 2022 8 31 |
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9,856.55

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[2021] ZG11736 2021 7 20

1,577.00 /











|          |        | 2019      | 2020 | 2021      | 2022 | 1-6       |        |  |
|----------|--------|-----------|------|-----------|------|-----------|--------|--|
|          |        |           |      |           |      |           | 53.43% |  |
| 54.55%   | 57.10% | 52.40%    |      |           |      |           |        |  |
|          |        |           |      |           |      |           |        |  |
| 2019     | 2020   | 2021      | 2022 | 1-6       |      |           |        |  |
|          |        | 26,073.30 |      | 24,078.40 |      | 21,440.36 |        |  |
| 7,294.44 |        |           |      |           |      | 77.65%    | 75.55% |  |
| 77.12%   | 51.29% |           |      |           |      |           |        |  |



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|            |           |      |      | 5,740.83 | 3,911.39 |
| -12,529.88 | -7,486.09 | 2021 | 2022 | 1-6      |          |

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|---|---|-----|-----|
|   | 3 | /   | FCC |
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|           |           |          |          |
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|           |           | 9,477.80 | 7,887.59 |
| 10,058.63 | 14,643.29 |          |          |

2010 11 15

2019 11 28

GR201937100531

15%

2020 12 02

GR202036001757

15%

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[2017]34

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2022

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张新功

青岛惠城环保科技集团股份有限公司



2022年10月12日

## 二、保荐机构（主承销商）声明

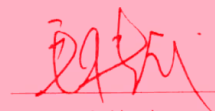
本公司已对募集说明书进行了核查，确认本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。

法定代表人：

  
侯 巍

保荐代表人：

  
陈 超

  
毛传武

项目协办人：

  
樊佳妮

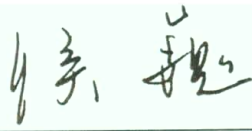
中德证券有限责任公司

2022 年 10 月 2 日

## 二、保荐机构（主承销商）声明

保荐机构董事长声明：本人已认真阅读募集说明书的全部内容，确认本募集说明书不存在虚假记载、误导性陈述或重大遗漏，并对本募集说明书真实性、准确性、完整性、及时性承担相应法律责任。

保荐机构董事长（签名）：



侯 巍

中德证券有限责任公司

2022年10月12日

## 二、保荐机构（主承销商）声明

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#### 四、会计师事务所声明

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杨奎



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