

表 7.1.2 臺灣 1990 至 2017 年廢棄物部門溫室氣體排放量

(單位：千公噸二氧化碳當量)

| 年份 | 廢棄物掩埋甲烷排放量 | 生活污水甲烷產生量 | 生活污水氧化亞氮產生量 | 事業廢水甲烷產生量 | 事業廢水氧化亞氮產生量 | 焚化爐二氧化碳產生量 | 焚化爐氧化亞氮產生量 | 堆肥甲烷產生量 | 堆肥氧化亞氮產生量 | 廢棄物部門溫室氣體排放量 |
|------|------------|-----------|-------------|-----------|-------------|------------|------------|---------|-----------|--------------|
| 1990 | 5,831.8 | 2,176.3 | 284.5 | 730.7 | - | 20.5 | 1.1 | 11.3 | 10.1 | 9,066.2 |
| 1991 | 5,917.4 | 2,198.1 | 283.8 | 863.7 | - | 8.3 | 0.4 | 0.5 | 0.5 | 9,272.6 |
| 1992 | 5,928.2 | 2,218.1 | 293.8 | 896.4 | - | 65.0 | 3.6 | 0.8 | 0.7 | 9,406.6 |
| 1993 | 6,322.9 | 2,237.7 | 307.4 | 862.1 | - | 63.1 | 3.5 | 0.5 | 0.4 | 9,797.5 |
| 1994 | 7,060.8 | 2,256.1 | 307.5 | 878.5 | - | 110.1 | 5.8 | 0.1 | 0.1 | 10,619.0 |
| 1995 | 7,719.3 | 2,274.2 | 315.5 | 905.1 | - | 397.9 | 18.2 | 0.6 | 0.6 | 11,631.4 |
| 1996 | 8,080.1 | 2,288.1 | 318.1 | 960.9 | - | 386.6 | 19.1 | 0.3 | 0.2 | 12,053.4 |
| 1997 | 8,212.6 | 2,303.0 | 331.7 | 937.7 | - | 104.9 | 3.8 | 1.4 | 1.3 | 11,896.4 |
| 1998 | 8,373.7 | 2,285.5 | 315.2 | 898.6 | - | 116.6 | 5.7 | 0.1 | 0.0 | 11,995.4 |
| 1999 | 8,606.0 | 2,174.7 | 324.2 | 867.6 | - | 65.0 | 3.2 | 1.9 | 1.7 | 12,044.4 |
| 2000 | 8,028.2 | 2,081.1 | 322.4 | 834.9 | - | 259.0 | 8.0 | 0.3 | 0.2 | 11,534.1 |
| 2001 | 7,308.6 | 2,054.8 | 310.0 | 836.5 | - | 539.9 | 30.0 | 0.0 | 0.0 | 11,079.9 |
| 2002 | 6,828.2 | 2,020.3 | 321.3 | 844.1 | - | 612.1 | 26.3 | 0.4 | 0.3 | 10,653.0 |
| 2003 | 6,320.7 | 2,000.6 | 326.9 | 929.0 | - | 417.3 | 23.9 | 2.3 | 2.1 | 10,022.6 |
| 2004 | 5,775.8 | 1,938.9 | 313.8 | 879.7 | - | 512.4 | 23.1 | 6.7 | 6.0 | 9,456.2 |
| 2005 | 5,229.5 | 1,880.0 | 313.6 | 935.1 | - | 347.8 | 27.4 | 9.8 | 8.7 | 8,751.8 |
| 2006 | 4,665.2 | 1,821.6 | 277.5 | 936.2 | - | 469.6 | 30.5 | 11.3 | 10.1 | 8,221.9 |
| 2007 | 4,142.7 | 1,750.7 | 285.3 | 1,047.7 | - | 562.1 | 29.7 | 14.5 | 12.9 | 7,845.6 |
| 2008 | 3,607.3 | 1,693.6 | 264.5 | 1,010.8 | - | 443.2 | 20.6 | 16.5 | 14.7 | 7,071.2 |
| 2009 | 3,070.9 | 1,629.7 | 269.9 | 1,022.2 | - | 154.3 | 8.6 | 17.9 | 16.0 | 6,189.6 |
| 2010 | 2,600.7 | 1,579.1 | 272.9 | 979.3 | - | 208.2 | 10.8 | 20.9 | 18.7 | 5,690.7 |
| 2011 | 2,225.2 | 1,506.4 | 281.6 | 1,004.4 | - | 148.6 | 9.2 | 26.2 | 23.4 | 5,225.0 |
| 2012 | 1,889.3 | 1,432.9 | 282.2 | 1,078.3 | - | 148.5 | 8.6 | 24.4 | 21.8 | 4,886.0 |
| 2013 | 1,597.2 | 1,383.6 | 276.9 | 1,026.9 | 16.9 | 153.4 | 8.8 | 22.6 | 20.2 | 4,506.5 |
| 2014 | 1,350.8 | 1,338.8 | 284.5 | 1,145.3 | 20.4 | 146.3 | 8.7 | 20.4 | 18.3 | 4,333.5 |
| 2015 | 1,141.1 | 1,285.0 | 299.7 | 1,199.0 | 18.3 | 102.5 | 6.1 | 19.7 | 17.6 | 4,089.1 |
| 2016 | 969.8 | 1,232.5 | 295.3 | 1,366.2 | 10.6 | 132.1 | 6.7 | 19.7 | 17.6 | 4,050.7 |
| 2017 | 834.4 | 1,166.5 | 303.4 | 1,460.1 | 49.0 | 120.2 | 6.2 | 20.5 | 18.3 | 3,978.5 |

說明：1. 2017 年事業廢水處理甲烷之計算，因尚未取得實際統計資料，故暫以 2017 年列管家數比例推估。

2. 2017 年事業廢水處理氧化亞氮之計算，因尚未取得實際統計資料，故暫以近三年數據平均計算之。