附件四

114年經濟部節能標竿獎選拔活動

**生產性質行業/非生產性質行業能源流向分析**

生產性質行業-電能平衡圖

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 廠(場)別 | | |  | | | |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 設備名稱 | |  |  | 使用電力(度/年)  使用占比(%) | |  |  | 製程設備名稱 |  | 使用電力(度/年)  使用占比(%) | |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 製程動力 | |  |  |  |  |  |  |  |
|  | 外購電力(度/年) | | |  |  |  |  |  |  | % |  |  |  |  | % |  |
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|  |  | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 空調 | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
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|  | 自發電力(度/年) | | |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  | | |  |  |  | 空壓機 | |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  | 外售電力  (度/年) | |  |  | 冷凍冷藏 | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
|  |  |  |  | |  |  |  | |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 汙水處理 | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
|  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |
|  |  |  | 汽電廠內用電  (度/年) | |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  | |  |  | 集塵設備 | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 電熱  (註2) | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 照明 | |  | |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  | 其他 | |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | 度 |  |
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|  |  |  |  |  |  |  | 製程設備  名稱 | |  |  | 使用電力(度/年)  使用占比(%) |  |  |  |  |  | % |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
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|  |  |  |  |  |  |  |  | |  |  |  | 度 |  |  |  |  |  | 度 |  |
|  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | % |  |  |  |  | % |  |
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生產性質行業(續)-熱能平衡圖

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|  |  |  |  | |  |  | | 廠(場)別 | |  | | | |  |  | |  |  |  |  |
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|  | 外購  蒸汽 |  | | | 公噸 |  | |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  | |  |  |  |  |  |  |  | **→** | |  |  |  |  |
|  | 壓力 |  | | | KG/cm2 |  | |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  | | |  |  | | 熱能設備名稱 |  |  | 燃料別 | 年使用量 | 占比(%)  (註2) |  |  | |  | 製程設備名稱  占比(%) | 占比(%)  (註2) |  |
|  |  |  | | |  |  | |  |  |  |  | |  |  |
|  |  |  | | |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |
|  | 外售  蒸汽 |  | | | 公噸 | **←** | |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | |  |  |
|  |  |  | |  |  |  |  |  |  | 外售 |  |  |  |  |  | |  |  |  |  |
|  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
|  | 燃料年使用量 | | | | |  |  | 汽電共生 |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |
|  | 燃料煤 |  | | | 公噸 |  |  |  |  |  |  |  |  |  | **→** | |  |  |  |  |
|  |  |  |  |  | 內用 |  |  |  |  |  | |  |  |
|  | 燃料油 |  | | | 公秉 |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |
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|  | 天然氣 |  | | | 立方  公尺 |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |  |  |
|  |  |  | 蒸汽鍋爐 |  |  |  |  |  |  | **→** | |  |  |
|  | LPG |  | | | 公斤 |  |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | |  |  |
|  | 柴油 |  | | | 公升 |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |
|  | 燃料氣 |  | | | 千立方  公尺 |  |  | 熱媒鍋爐 |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 總熱值 |  | | | Mcal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | |  |  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  |  |  |  |  |  |
|  |  |  | |  |  |  |  | 廢熱鍋爐 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  |  |  |  |
|  |  |  | 加熱爐 |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  |  |  |  |  |  |
|  |  |  | 熱處理爐 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | **→** |  |  |  |
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|  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |
|  |  |  | |  |  |  |  | 裂解爐 |  |  |  |  |  |  |  | |  |  |  |  |
|  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |
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|  |  |  | |  |  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |  |  |
|  |  |  | |  |  |  |  | 旋窯/窯爐 |  |  |  |  |  |  |  | |  |  |
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|  |  |  | |  |  |  |  |  |  |  | 燃料別 | 使用量 | 占比(%) |  |  | |  |  |
|  |  |  | |  |  |  |  | 其他 |  |  |  |  |  |  |  | |  |  |  |  |
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註：1.若貴單位製程眾多，可先繪一總圖，以各製程為子項目做總電能平衡圖，再以每一製程為單位分別繪製主要製程之熱能平衡圖，表格不敷使用時可自行列印填報。

2.占比為使用量占總熱值之百分比。

非生產性質行業-電能用量/熱能用量平衡圖

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|  |  | | | 電能用量平衡圖 | | | | | | |  | 熱能用量平衡圖 | | | | | | | | | | | | |
|  |  | | | |  |  |  |  |  |  |  |  | |  |  | |  | |  |  |  |  |  | |
|  |  | | | |  |  | 電力使用分布百分比％ | | | |  |  | |  |  | |  | |  |  | 熱能使用分布百分比％ | | | |
|  |  | | | |  |  |  |  |  |  |  |  | |  |  | |  | |  |  |  |  | |  |
|  | 台電電費單總用電度數 | | | | |  |  |  | 1.空調  設備 | % |  | 熱能種類 | | | 熱值  (百萬卡/年) | | 熱值占比(%) | |  |  | 熱能種類 | 房間用 | | % |
|  |  | | | | 度/年 |  |  |  |  | 度/年 |  | 1 | 燃料油 | |  | |  | |  |  |  |  | | 百萬卡/年 |
|  |  | | | |  |  |  |  |  |  |  | 2 | 液化  石油氣 | |  | |  | |  |  |  |  | |  |
|  |  | | | |  |  |  |  | 2.照明  設備 | % |  | 3 | 天然氣 | |  | |  | |  |  | 熱能種類 | 三溫暖 | | % |
|  | 總用電度數 | | | | | 100% |  |  |  | 度/年 |  | 4 | 汽油 | |  | |  | |  |  |  |  | | 百萬卡/年 |
|  |  | | | | | 度/年 |  |  |  |  |  | 5 | 柴油 | |  | |  | |  |  |  |  | |  |
|  |  | | | |  |  |  |  | 3.冷凍冷藏設備 | % |  | 合計 | 總熱能  熱值 | |  | | 100% | |  |  | 熱能種類 | 溫水游泳池 | | % |
|  |  | | | |  |  |  |  |  | 度/年 |  |  |  | |  | |  | |  |  |  |  | | 百萬卡/年 |
|  |  | | | |  |  |  |  |  |  |  | 總熱能熱值 | | | 100% | |  | |  |  |  |  | |  |
|  |  | | | | 再生能源自用總度數 | |  |  | 4.事務  設備 | % |  |  | | | 百萬卡/年 | |  | |  |  | 熱能種類 | 洗衣房 | | % |
|  |  | | | |  | 度/年 |  |  |  | 度/年 |  |  | |  |  | |  | |  |  |  |  | | 百萬卡/年 |
|  |  | | | |  |  |  |  |  |  |  |  | |  |  | |  | |  |  |  |  | |  |
| 再生能源回售台電總度數 | | | | |  |  |  |  | 5.送排風  設備 | % |  |  | |  |  | |  | |  |  | 熱能種類 | 廚房  餐廳 | | % |
|  | | 度/年 | | |  |  |  |  |  | 度/年 |  |  | |  |  | |  | |  |  |  |  | | 百萬卡/年 |
|  |  | |  | |  |  |  |  |  |  |  |  | | | | | | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | 6.給水污水設備 | % |  | | |  | |  | |  |  |  | 熱能種類 | 消毒  設備 | | % |
|  | 再生能源總發電量 | | | | | |  |  |  | 度/年 |  | | | | |  | |  |  |  |  |  | | 百萬卡/年 |
|  |  | | | | | 度/年 |  |  |  |  |  | |  |  |  |  |  | |  |
|  |  | | | |  |  |  |  | 7.電梯  設備 | % |  | |  |  |  | 熱能種類 | 車輛 | | % |
|  |  | | | |  |  |  |  |  | 度/年 |  |  |  |  |  | | 百萬卡/年 |
|  |  | | | |  |  |  |  |  |  |  |  | |  | |  | |  |  |  |  |  | |  |
|  |  | | | |  |  |  |  | 8.其他  設備(註) | % |  |  | |  | |  | |  |  |  | 熱能種類 | 發電機 | | % |
|  |  | | | |  |  |  |  |  | 度/年 |  |  | |  | |  | |  |  |  |  |  | | 百萬卡/年 |
|  |  | | | |  |  |  |  |  |  |  |  | |  | |  | |  |  |  |  |  | |  |
|  |  | | | |  |  |  |  |  |  |  |  | |  | |  | |  |  |  | 熱能種類 | 其他  設備(註) | | % |
|  |  | | | |  |  |  |  |  |  |  |  | |  | |  | |  |  |  |  |  | | 百萬卡/年 |

註：貴單位如有未列於「電(熱)能用量平衡圖」之設備（如：電台發射器、水處理設備、鍋爐泵及風車、電熱水器、瓦斯爐、熱水器等），請於「其他設備」欄內敘明。