

## 雲林縣環境保護局計畫成果中英文摘要（簡要版）

一、中文計畫名稱：

104 年度「雲林縣低碳永續家園運作及成效管考計畫」

二、英文計畫名稱：

The plan of Yunlin County Low-carbon sustainable operations and effectiveness assesses in 104 year

三、計畫編號：

YLEPB-104-018

四、執行單位：

新系環境技術有限公司

五、計畫主持人：

何宗安

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七、執行結束時間：

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十三、中文摘要關鍵詞：

低碳永續家園認證、生態綠化、社區輔導

十四、英文摘要關鍵詞：

Low Carbon Sustainable System, Green Ecological Community, Community Participation

## 十五、中文摘要：

本計畫執行期程自 104 年 6 月 5 日至 104 年 12 月 10 日止，計畫目標在協助雲林縣低碳家園推動小組之運作，擔任技術幕僚，主要工作內容包含：一、維持「低碳永續家園推動專案辦公室」之運作；二、低碳社區輔導：配合環保署低碳永續家園推動專案，協助重點社區進爭取低碳永續家園認證；三、辦理低碳永續家園推動相關之教育宣導活動；四、辦理雲林縣行政轄區溫室氣體盤查，建立基線資料。

- 一、依本期末報告提出所完成之工作進度，在維持「低碳永續家園推動辦公室」之運作方面，本計畫已於 7 月、9 月及 11 月分別各完成召開一場次之「生態綠化」之技術與資訊諮詢小組會議。
- 二、本年度針對縣市層級，已提報環保署並取得入圍資格；在村里層級方面，本計畫進行本縣低碳社區之輔導規劃，爭取低碳永續家園認證；此外，本計畫已完成 16 處社區分別為後厝、雙人厝、崙峰、石壁、華南、樟湖、崙北、坪頂、林中、重興、烏塗、湖本、西屯、阿勸、新吉及興桐等取得入圍。
- 三、在社區實質改善輔導方面，由於設備節能之減碳成效顯著，故本計畫優先著重進行燈具汰換之輔導，在擇定 12 個社區名單後，已完成 12 個社區輔導工作及公有區域之照明設備汰舊換新實質改善。
- 四、在教育宣導方面，本計畫已完成 10 場次宣導活動（其中 5 場次參與人數達 100 人；另 5 場次參與人數達 60 人），累計出席人數為 976 人。
- 五、網頁維護部分，本計畫持續進行雲林縣低碳永續家園行動網網頁維護管理工作，在環保署低碳永續家園資訊網方面，也定期完成本縣相關成果之管考、專案維護與資訊刊登等。
- 六、溫室氣體盤查工作方面，本計畫已製作完成溫室氣體盤查報告書，其中雲林縣 102 年行政轄區溫室氣體盤查結果，本縣淨排放量為 38,419,107.14 CO<sub>2</sub>e(已扣除林業部門碳匯量 26,639.86 CO<sub>2</sub>e 及範疇三排放量 22,651.89 CO<sub>2</sub>e)。
- 七、依據環保署低碳永續家園評等認證制度、本縣幅員廣大及鄉鎮村里數量多，建議對低碳社區之輔導應以全縣整體成效之提升為考量，而不見得侷限於一特定行政區內。本年度「技術與資訊諮詢小組」積極推動之相關成果提出討論，並彙整成為本縣之整體推動成果。該平台未來仍應持續保持運作，以充分發揮節能減碳業務溝通協調平台之功能。

## 十六、英文摘要：

The project, which was undertaken from June 5 to December 10, 2015, sought to provide assistance and technical support to help facilitate the operations of Yunlin County Low-Carbon Sustainable Homeland Promotion Team. The main objectives and duties covered in the project included: 1. Maintaining the operations of the “Low-Carbon Sustainable Homeland Project Office”; 2. Low-carbon community guidance: Assisting targeted communities to be certified as low-carbon sustainable homeland in line with the Environmental Protection Administration (EPA)’s Low-Carbon Sustainable Homeland Project; 3. Holding educational and promotional activities for low-carbon sustainable homeland; and 4. Developing a greenhouse gas inventory for Yunlin County’s administrative districts in order to establish the baseline data.

1. This project held “eco-greening” meetings for the Technical and Information Consultation Group in July, September and November, respectively, in order to maintain the operations of the Low-Carbon Sustainable Homeland Project Office according to the final project report.
2. A proposal for low-carbon sustainable homeland certification at the county/city level was submitted to the EPA, and Yunlin County was nominated for the certification. At the village level, guidance was provided so that the County’s communities would be certified. A total of 16 communities were nominated for certification, including Houcuo, Shuangrencuo, Lunfeng, Shibi, Huanan, Zhanghu, Lunbei, Pingding, Linzhong, Chongxing, Wutu, Huben, Xitun, Aquan, Xinji and Xingtong.
3. With respect to the work of guidance for community improvement, due to the notable carbon reduction effects of energy efficient equipment, the project made the installation of lighting systems a priority. After 12 communities were selected for public lighting system replacement, assistance was provided for the completion of related work.
4. Ten educational and promotional activities in total have been held, among which five were attended by up to 100 persons, and the other five by 60 persons. Total attendance was 976 persons.
5. Maintenance has been continued for Yunlin County’s low-carbon sustainable homeland mobile website, and the EPA website for low-carbon sustainable homeland has also updated information on

the oversight and management of Yunlin County's efforts and achievements in carbon reduction, project management and information posting on a regular basis.

6. The greenhouse gas inventory report was completed. In it, the investigation of 2013 emissions in administrative districts indicated that Yunlin County's net emission was 38,419,107.14 CO<sub>2</sub>e (excluding 26,639.86 CO<sub>2</sub>e of net biogenic carbon flux from the forestry sector and 22,651.89 CO<sub>2</sub>e of scope 3 emissions).
7. According to EPA's low-carbon sustainable homeland evaluation and certification system, Yunlin County occupies an expansive geographical area and consists of a high number of townships and villages. Therefore, it is suggested that low-carbon guidance for Yunlin County's communities focus on the improvement of the entire county, rather than specific districts. The promotion results of the Technical and Information Consultation Group were discussed and compiled to present the County's overall achievements in low-carbon efforts this year. The Group is expected to continue serving as a platform for realizing full coordination and communication in working toward carbon reduction.