

海能風力發電股份有限公司

營運綜合分析年報

Annual Summary

113 年

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海能風力發電股份有限公司

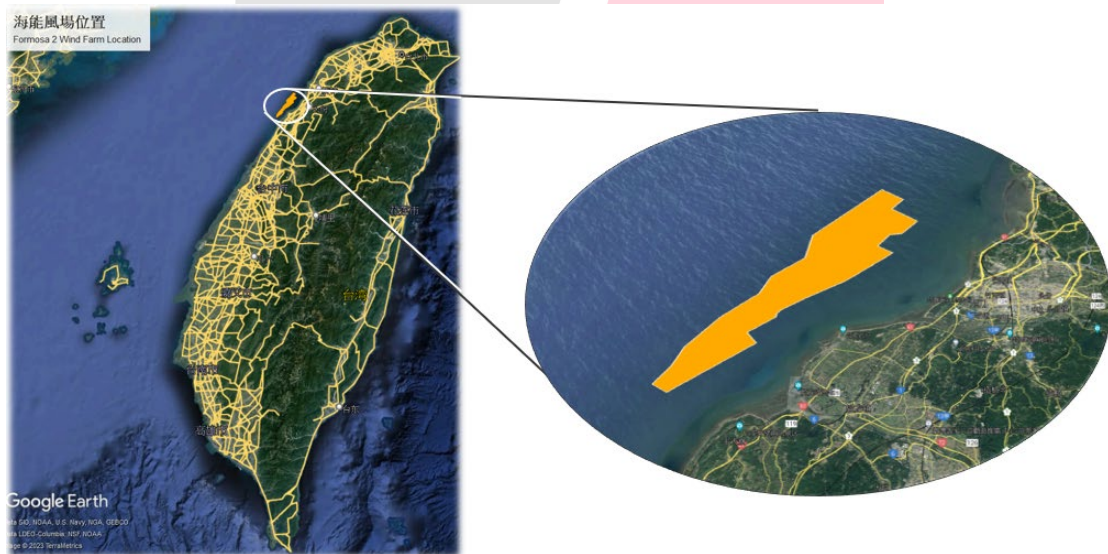
114 年 3 月編製

壹、公司簡介 Introduction

海能風電是離岸風電第二階段潛力場址首座完工風場，也是我國第三座完工的離岸風場。風場總裝置容量為 376 MW，已於 112 年 1 月完成 47 座風機安裝，並於 3 月完成所有風機併聯作業，每年可為 38 萬戶家庭提供潔淨電力。Formosa 2 is the first completed Phase 2 offshore wind project and the third offshore wind farm in Taiwan. The total installed capacity is 376 MW. In January of 2023, 47 wind turbines were installed, and in March, all turbines were successfully connected to the grid. The wind farm can provide clean electricity to approximately 380,000 households annually.

風場於 113 年 1 月 1 日至 12 月 31 日止發電量總計 14 億 4,364 萬 8,000 度，售電量亦同。The wind farm's total power production from January 1 to December 31, 2024, amounted to 1,443,648,000 kWh, with the same amount sold.

▼風場位置圖 Windfarm Location



貳、業務狀況 Business Report

一、 年度供電報告 Annual Power Supply Report

Figure 1-1 裝置容量 Capacity

Total	Actual Value(kW)	Note
	376,000	

Figure 1-2 發電量及發電設備運作情形 Production & Operating Status

	毛發電量(kWh) Gross Production	廠用電量(kWh) Internal Usage	淨發電量(kWh) Net Production	Note
Total	1,467,574,836	23,926,836	1,443,648,000	
	容量因數(%) Capacity Factor	可用率(%) Availability Rated Capacity	最大出力占裝置容量百分比(%) Maximum Output Value	
	44.69	99.23	98.71	

二、 年度售電報告 Annual Power Sales Report

Figure 2-1 售予公用售電業之售電量 Power Sale

Total	Actual Value(kWh)
	1,443,648,000

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參、財務狀況 Financial Report

收支實績表 Revenue and Expense

單位：新台幣元 Unit: NTD

項目 Item	本年度實績數 Actual Value
1. 營業收入 Operating Revenue	10,275,453,366
電業收入 Electricity Revenue	10,275,453,366
其他收入 Other Operating Revenue	0
2. 營業支出 Operating Expenses	5,428,404,186
營業成本 Operating Costs	5,377,285,594
營業費用 Operating Expenses	51,118,592
3. 營業收益 Operating Income	4,847,049,180

備註：

1. 公司依照 EAS 規定認列應計營業收入。All financial statements are in accordance with EAS.
2. 此僅為公司每月自結彙總，實際仍以會計師簽證財報為準。This is only the company's monthly internal summary; the actual figures are subject to the CPA-certified financial report.

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肆、年度重大營運事件 Major Operational Events of This Year

月份 Month	事件 Incident
11 月 November	配合電網維護，限制出力，發電量短少約 3.6 GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 3.6 GWh.
10 月 October	配合電網維護，限制出力，發電量短少約 3.0 GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 3.0 GWh.
8 月 August	配合電網維護，限制出力，發電量短少約 0.3 GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 0.3 GWh.
7 月 July	配合電網維護，限制出力，發電量短少約 0.4 GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 0.4 GWh.
6 月 June	配合電網維護，限制出力，發電量短少約 33.5GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 33.5 GWh.
5 月 May	配合電網維護，限制出力，發電量短少約 10.3 GWh。 Aligning with the grid maintenance, the output limit was applied, and the production loss was around 10.3 GWh.

伍、資訊公開網址 Information Disclosure Website

<https://formosa2windpower.com/download/>

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