

Financial Analysis Report - 4E Energeiaki 176 KWp Likovouni

Report Date: January 16, 2026

Park: [4E Energeiaki 176 KWp Likovouni] PCC PCC active energy export (kWh) **Capacity:** 176 kWp **Pricing:** 0.2 EUR/kWh

Executive Summary

This report presents a comprehensive financial analysis of 4E Energeiaki 176 KWp Likovouni with detailed economic metrics, revenue projections, and performance trends.

Overview

- **Park Name:** [4E Energeiaki 176 KWp Likovouni] PCC PCC active energy export (kWh)
- **Data Range:** 2020-01-06 to 2025-04-09
- **Total Energy Generated:** 1,351,096 kWh
- **Total Revenue:** 270,219.13 EUR
- **Energy Price:** 0.2 EUR/kWh

Economic Analysis Dashboard - 4E Energiaki 176 KWp Likovouni (176 kWp)



Key Financial Metrics

Metric	Value
Total Energy	1,351,096 kWh
Total Revenue	270,219.13 EUR
Avg Monthly Energy	21,111 kWh
Avg Monthly Revenue	4,222.17 EUR
Avg Annual Energy	225,183 kWh
Avg Annual Revenue	45,036.52 EUR

Annual Revenue Breakdown

Year	Energy (kWh)	Revenue (EUR)
2020-01-01 00:00:00	242,422	48,484.31
2021-01-01 00:00:00	246,442	49,288.33
2022-01-01 00:00:00	262,006	52,401.24
2023-01-01 00:00:00	270,462	54,092.46
2024-01-01 00:00:00	275,874	55,174.89
2025-01-01 00:00:00	53,890	10,777.90

Key Observations

- **Best Performing Year:** 2024-01-01 00:00:00 (55,174.89 EUR)
- **Worst Performing Year:** 2025-01-01 00:00:00 (10,777.90 EUR)
- **Overall Growth:** -77.77% (from 2020-01-01 00:00:00 to 2025-01-01 00:00:00)

Methodology

Revenue Calculation

- **Revenue = Energy Generation (kWh) × Price (0.2 EUR/kWh)**
- Monthly aggregation from daily generation data
- Annual totals calculated from daily observations

Dashboard Components

The dashboard includes:

1. **Time Series Analysis:** Monthly energy and revenue trends
2. **Seasonal Patterns:** Energy generation by calendar month
3. **Year-over-Year Analysis:** Annual comparisons and growth rates
4. **Statistical Analysis:** ACF/PACF, volatility, distributions
5. **Cumulative Metrics:** Total energy and revenue over time

Recommendations

1. **Financial Planning:** Use annual averages for budget forecasting
 2. **Seasonal Adjustment:** Account for monthly variations in cash flow planning
 3. **Performance Monitoring:** Track deviations from historical averages
 4. **Growth Opportunities:** Identify underperforming months for optimization
-

Report generated on 2026-01-16 08:41:30