

# APSE Scotland Climate Change & Renewables Network

## North Ayrshire Council Solar Farm Project

27<sup>th</sup> January 2026

**Focus. Passion. Inspiration.**



North Ayrshire Council  
Comhairle Siorrhachd Àir a Tuath

# Agenda

- Background
- Developing solar farms
- Monitoring
- Sale of energy
- Considerations from lessons learned
- Renewable Energy Strategy
- Next steps

# Action on climate change



## Sustainable North Ayrshire

2024-2027



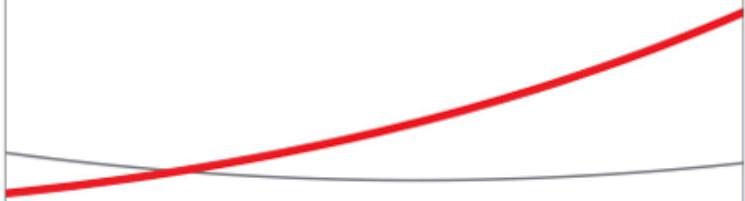
# 2015 Renewable Energy Strategy

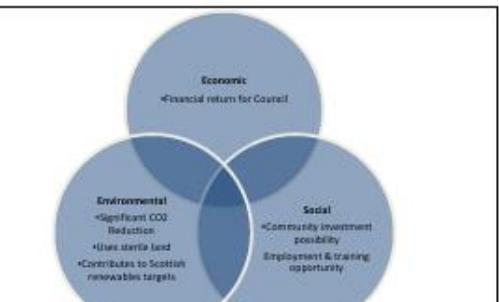
North Ayrshire Council

## North Ayrshire Council - Renewable Energy Strategy

June 2015

**EC HARRIS**  
BUILT ASSET  
CONSULTANCY  
AN  ARCADIS COMPANY

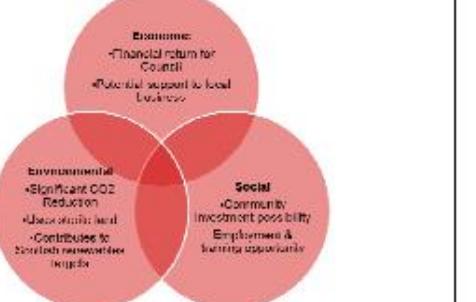


North Ayrshire Council - Renewable Energy Strategy Options		
Meeting Drivers		
Project Image	 Nethermains Former Landfill Site Highlighted in Red.	
Project Location	Nethermains Former Landfill Site, North of Irvine between A78, A737, B779 and Ravenspark Golf Course.	
Strategic Case & Project Benefits	The project will contribute to the Council's strategy to stimulate renewable energy development across the region, will contribute to the reduction in CO2 emissions	

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Full Strategy Report - June 2015 (Final) 227

North Ayrshire Council - Renewable Energy Strategy Options		
Meeting Drivers		
Project Image	 Shewalton Landfill Site Showing Potential Panel locations in red.	
Project Location	Shewalton Landfill Site, Area 4/5, Shewalton, South of Irvine	
Strategic Case & Project Benefits	The project will contribute to the Council's strategy to stimulate renewable energy development across the region, will contribute to the reduction in CO2 emissions associated with energy consumption in North Ayrshire, and is forecast to achieve a financial return which will improve Council revenues and reduce operating costs. The magnitude of the return is dependent upon the type of power sale contract and the	

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Full Strategy Report - June 2015 (Final) 249

# Nethermains



# Shewalton





# Developing the solar farms

Climate emergency declared in June 2019

High level business cases refreshed

Cabinet approval received in January 2021

Procurement journey commenced

Grid connection delays

Design, Build, Operate & Maintain contractor appointed March 2023

Ground breaking ceremony February 2024

Launch of Nethermains Solar Farm October 2025

Launch of Shewalton Solar Farm scheduled for February 2026

# Shewalton Solar PV Farm



# Monitoring



iSolarCloud

Day

Month

Year

Total

Custom

01/Sep/2025 - 27/Jan/2026

Hide curve chart

Note: The curves here display the aggregated data for all your plants.





# Considerations from lessons learned

Consultancy	Land/asset	Finance	Grid Connection	Sale of Energy
<ul style="list-style-type: none"><li>• JBA (Planning)</li><li>• Harper Macleod (Legal)</li><li>• Power Circle (Sale of energy)</li><li>• Currie &amp; Brown (NEC4 contract)</li><li>• CDM Scotland (H&amp;S)</li><li>• Bowland Ecology (ecological)</li></ul>	<ul style="list-style-type: none"><li>• Planning permission</li><li>• Environmental impact assessment</li><li>• Badgers</li><li>• Golf course</li></ul>	<ul style="list-style-type: none"><li>• Business Case</li><li>• Consultancy</li><li>• Contractor</li><li>• Grid connection (subject to change)</li><li>• O&amp;M</li></ul>	<ul style="list-style-type: none"><li>• Cost</li><li>• Timescales</li><li>• NESO consideration</li><li>• DNO Complexity</li></ul>	<ul style="list-style-type: none"><li>• Power Purchase Agreement</li><li>• Scottish Procurement framework</li><li>• Private wire</li></ul>

# Nethermains Solar Farm golf net





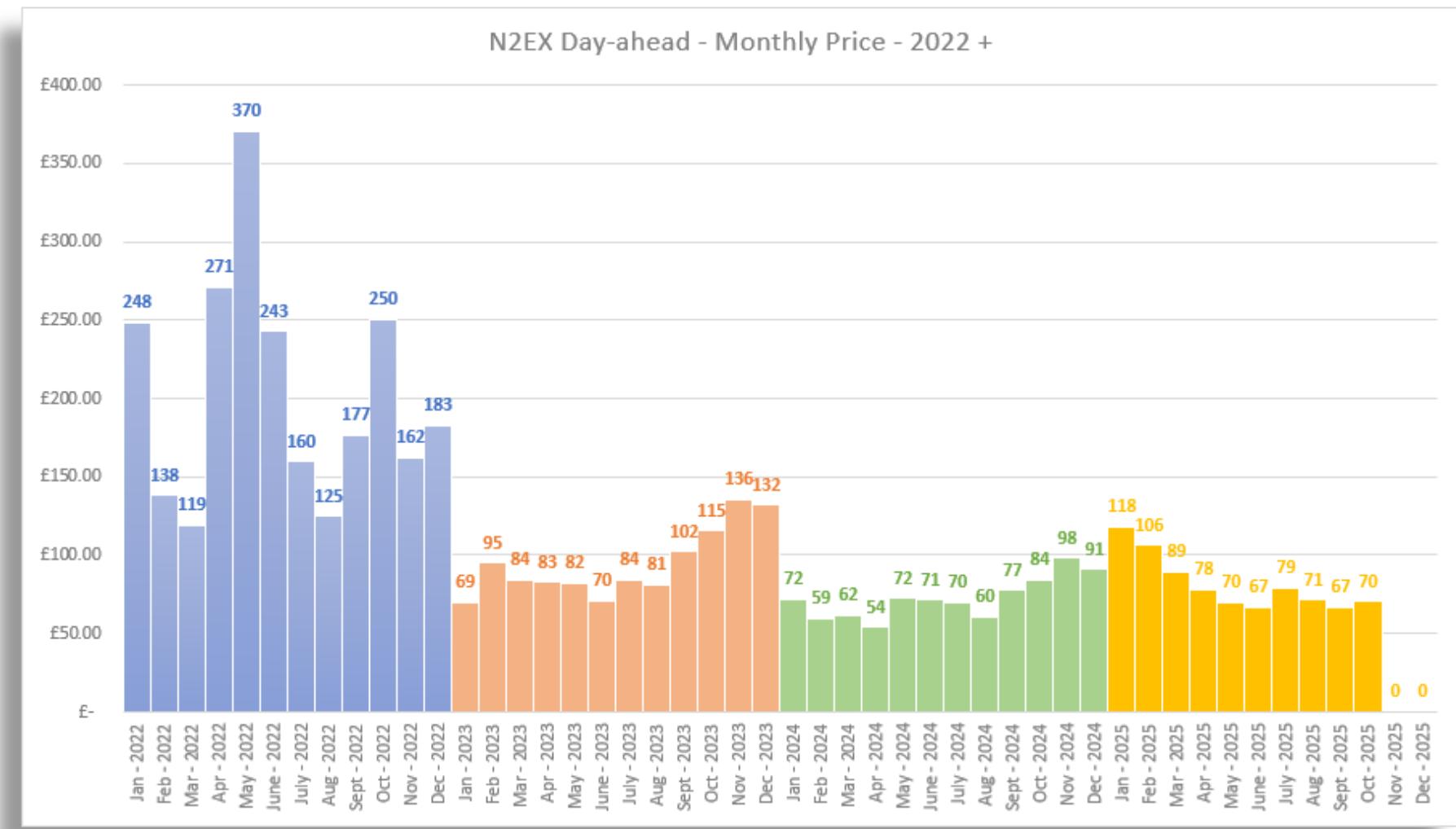
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# Sale of energy



- National electricity framework
- Power Circle
- Prior Information Notice
- Appoint OVO Energy as PPA partner
- Feasibility study with NHS Ayrshire & Arran



# Renewable Energy Strategy

Strategy refresh

Feasibility studies

Community renewable energy  
projects - toolkit



# Next steps



- Energise Shewalton
- Enter O&M phase
- Plant 8,000 trees
- Approval of Renewable Energy Strategy
- Investigate role of battery energy storage systems
- Support community ownership of renewable technology projects.

# Thank you

Focus. Passion. Inspiration.



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