

ALL-ENERGY 2009 CONFERENCE

▪IDENTIFYING & HARNESSING ▪THE OPPORTUNITY

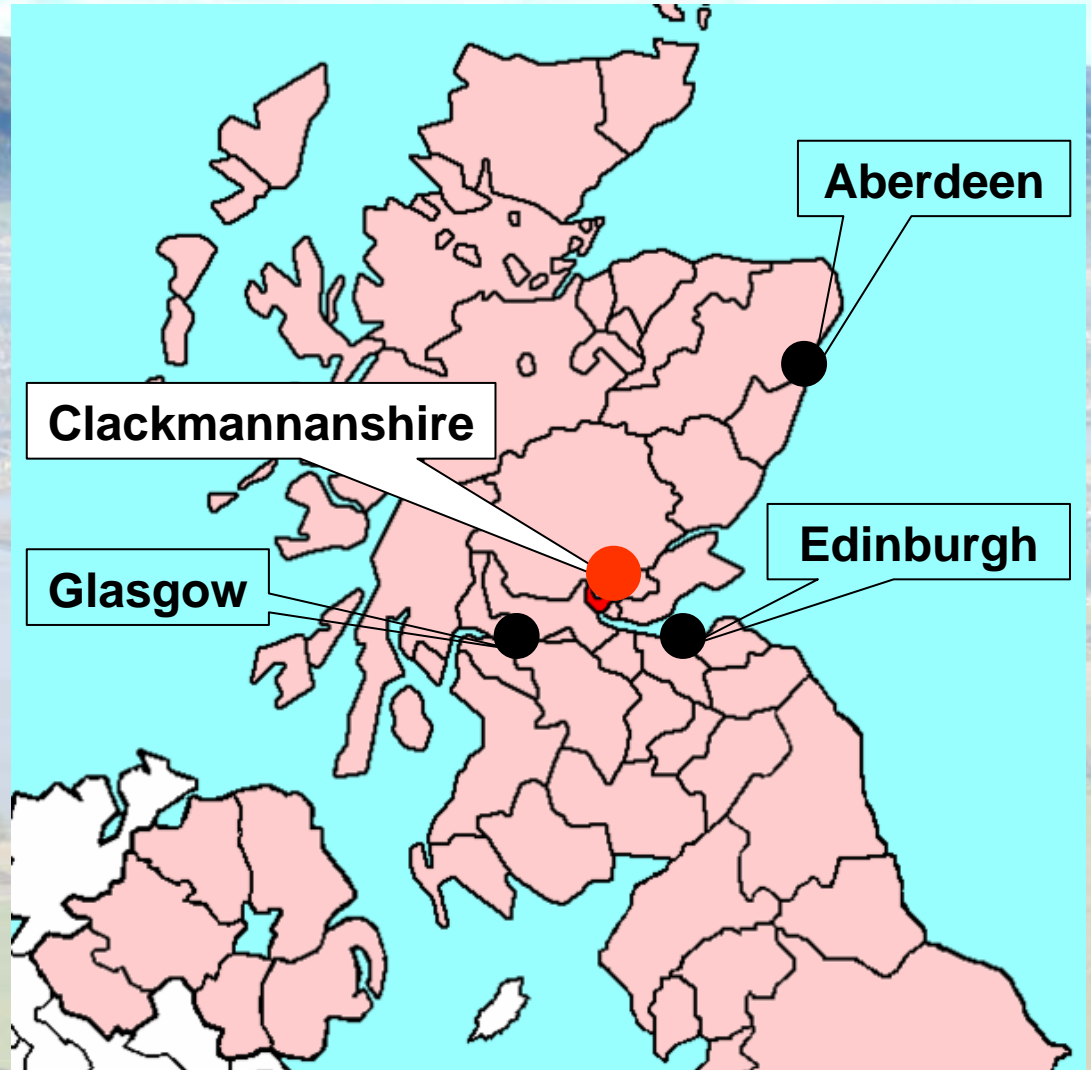
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INTRODUCTION

How Clackmannanshire Council is responding to the challenge of Climate Change & harnessing Renewable Energy

- POLICY CONTEXT
- KEY PRIORITIES
- INTEGRATED ACTION
 - Black Devon Restoration Project
- PARTNERSHIP APPROACH
- PROPOSAL
- PUBLIC GOOD
- FURTHER INFORMATION CONTACTS

LOCATION



Population – 50,480

Area – 159 km²

POLICY CONTEXT

NATIONAL:-

- UK GOVERNMENT STRATEGY FOR SUSTAINABLE DEVELOPMENT
- SCOTTISH GOVERNMENT SUSTAINABLE DEVELOPMENT STRATEGY
- SCOTTISH & UK CLIMATE CHANGE PROGRAMMES
- LOCAL GOVERNMENT IN SCOTLAND ACT 2003

LOCAL:-

- CLACKMANNANSHIRE SUSTAINABILITY & CLIMATE CHANGE STRATEGY

KEY PRIORITIES

INCLUDE

- WASTE MANAGEMENT
- NATURAL ENVIRONMENT
- CARBON MANAGEMENT & SUSTAINABLE ENERGY USE

INTEGRATED ACTION

BLACK DEVON RESTORATION PROJECT

- LANDFILL CLOSURE/RECYCLING
- LAND ACQUISITION/SOIL STRIPPING/WETLAND FORMATION
- SMALL WIND ENERGY PROJECT
- METHANE GAS UTILISATION

PARTNERSHIP

PARTNERSHIPS FOR RENEWABLES (PFT)

- A CARBON TRUST ENTERPRISE
- INITIAL MEETING
- ENTEC UK LTD FEASIBILITY STUDY
- COUNCIL APPROVAL
- DEVELOPMENT PHASE & PLANNING APPLICATION
- CONSTRUCTION
- OPERATION

PROPOSAL

SMALL WIND FARM:-

- 4 WIND TURBINES (2.5MW MACHINES ON 80M TOWERS)
- OVER 26 GWh OF GREEN ENERGY YIELD P.A.

LANDFILL GAS UTILISATION:-

- JACOBS FEASIBILITY STUDIES
- SIZEABLE CAPITAL INVESTMENT
- INDEPENDENT POWER GENERATION NOT COMMERCIALY VIABLE
- GAS EXTRACTION SYSTEM & FLARING STILL REQUIRED
- PFR COMBINED POWER GENERATION SCHEME

PUBLIC GOOD

- **PRODUCTIVE USE OF REDUNDANT FORMER LANDFILL SITE**
- **REDUCE COUNCIL'S CARBON FOOTPRINT (11,300 TONNES OF CO₂ EMISSIONS P.A.)**
- **PRODUCE GREEN ENERGY FOR APPROX 5,600 HOUSEHOLDS**
- **REVENUE INCOME TO THE COUNCIL/LOWER ELECTRICITY COST**
- **COMMUNITY BENEFIT FUND**
- **ELIMINATE GAS EXTRACTION SYSTEM & FLARING**
- **NO FINANCIAL INVESTMENT/RISK FOR THE COMMUNITY**

FURTHER INFORMATION

- www.clacksweb.gov.uk
- www.pft.co.uk