

Onshore Wind



Hoy Public Meeting.

30 April 2018.



- Introduction – Alistair Buchan.
- The project – Shona Croy.
- Conclusion – Councillor Stockan.
- Questions and Answers.

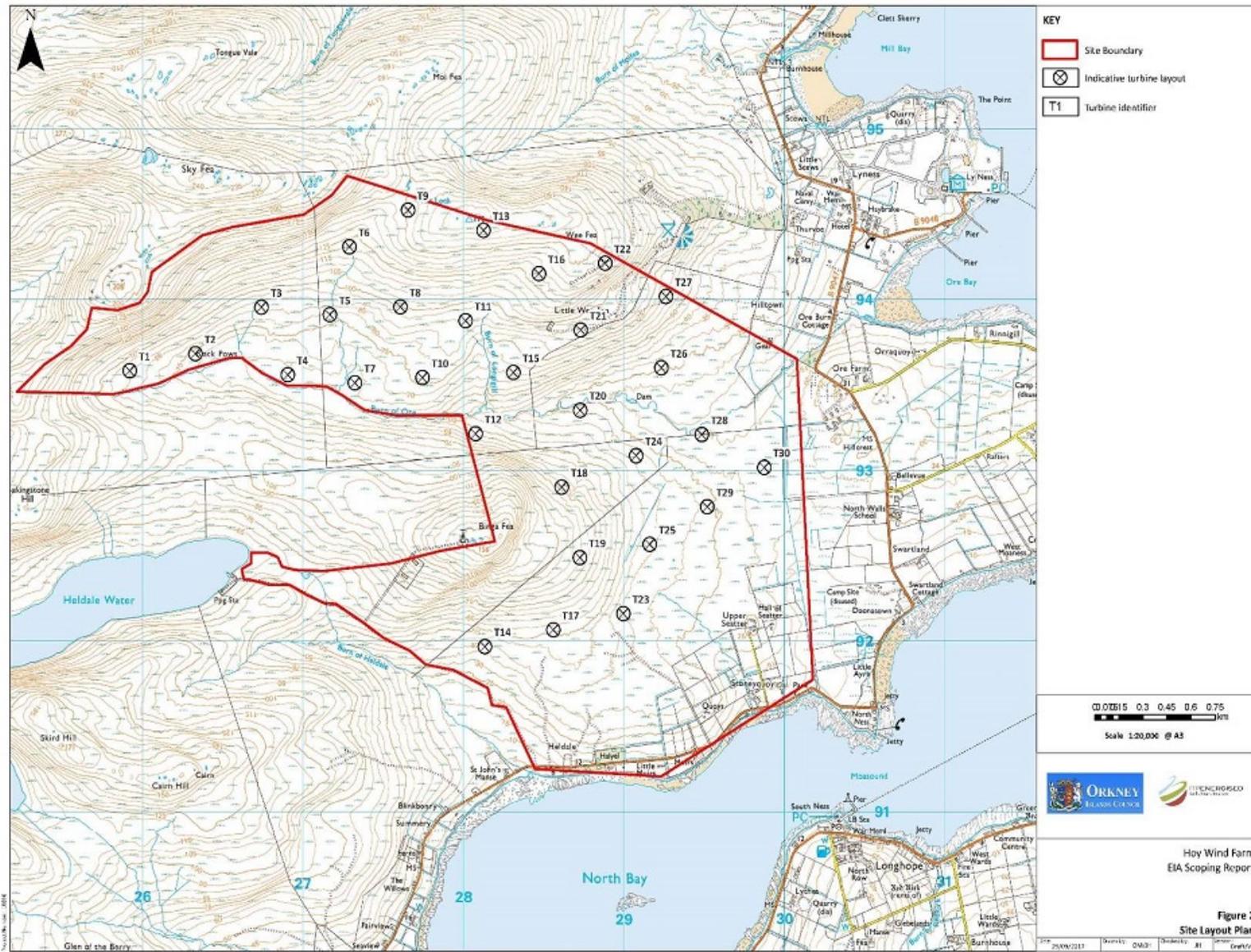
Introduction

1. Year on year decline in Government funding (likely to continue).
2. Cuts of £11 million over past 6 years.
3. Further cuts £1.8 million next year.
4. Continuing pressure on public services.
5. £6m unmet annual service pressures in current year.
6. Reserve funds not the solution.
7. Future cuts unpalatable to the Community.
8. Seeking alternative sources of income to alleviate cuts.
9. Sustainability of Islands.
10. Commercial activities, e.g. Windfarms but **not** for their own sake.

The Project

- In 2016, the Council agreed the principle of assuming the role of a project developer of onshore wind farm projects in Orkney.
- Site study of Council owned land.
- Undertake a process to identify land owners in Orkney, with large sites able to accommodate scale wind generation.
- Assess each site and consider options.
- Design and scope preferred site(s).
- Application for grid connection(s).

Hoy Wind Farm draft layout



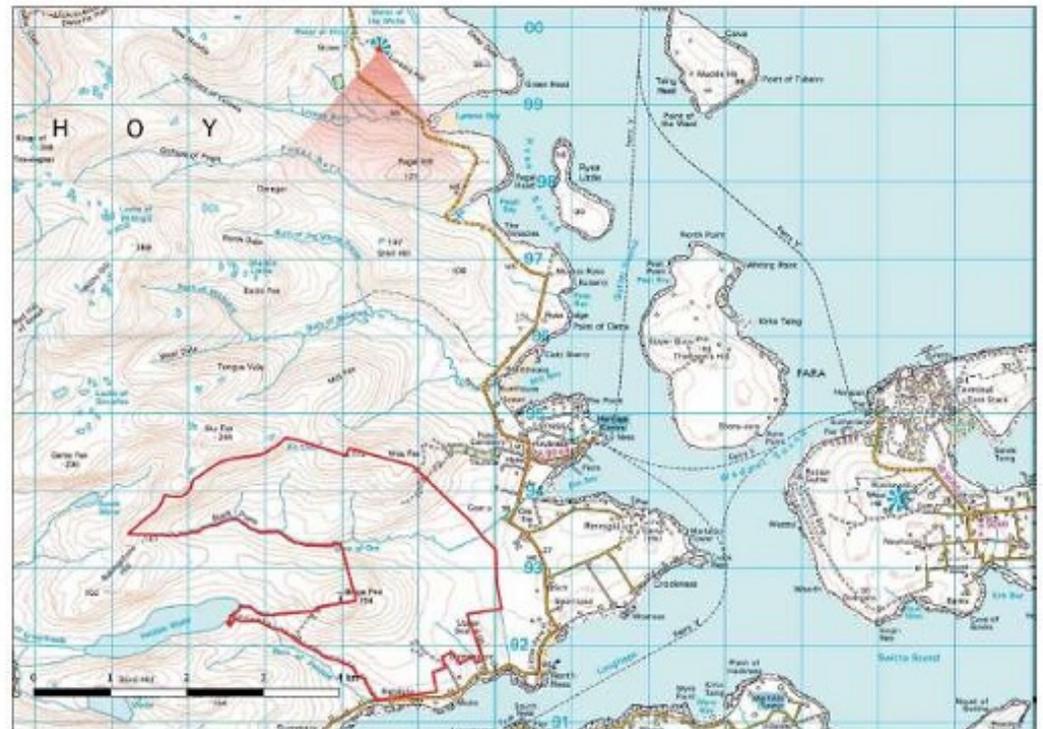
Summary of Site Findings

- Landscape and visual.
- Ecology and ornithology.
- Watercourses and geology.
- Archaeology and cultural heritage.
- Transport and access.
- Aviation.
- Wind resource.
- Communications.
- Wildland designation.
- 108 MW max. potential capacity.
- Up to 30 turbines.
- 110-125m turbine tip height.

View to Hoy Wind Farm from Lyrawa Hill, Hoy



Turbine Tip Height 125m Turbine Hub Height 75m



Hoy Wind Farm Feasibility Wireline from Lyrawa Hill, Hoy

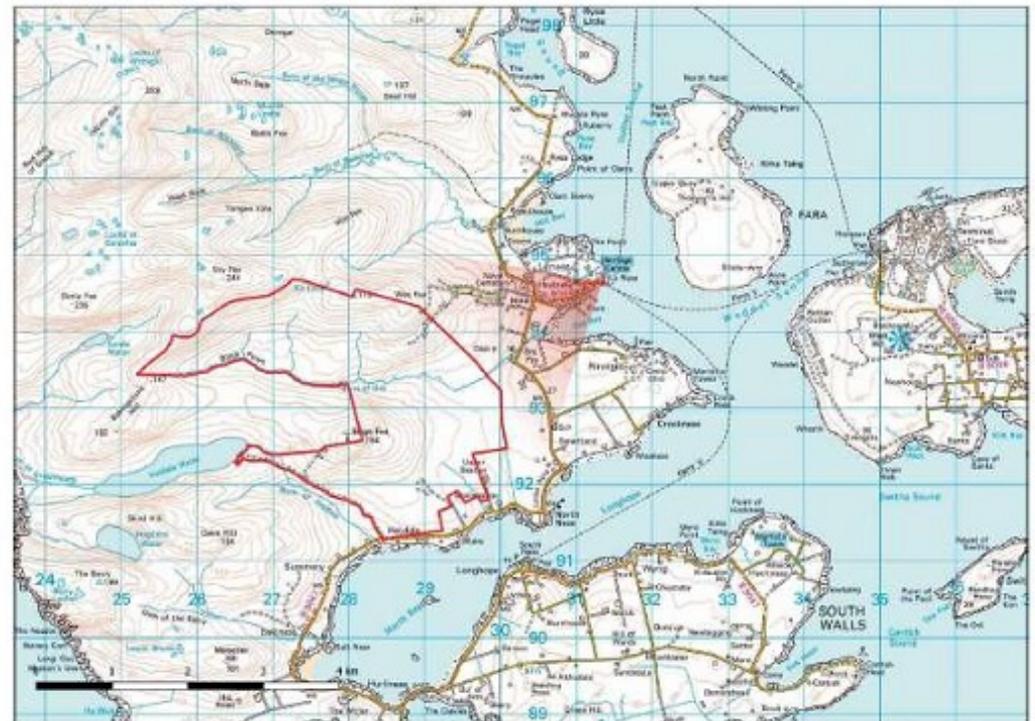


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View to Hoy Wind Farm from Lyness, Hoy



Turbine Tip Height 125m Turbine Hub Height 75m

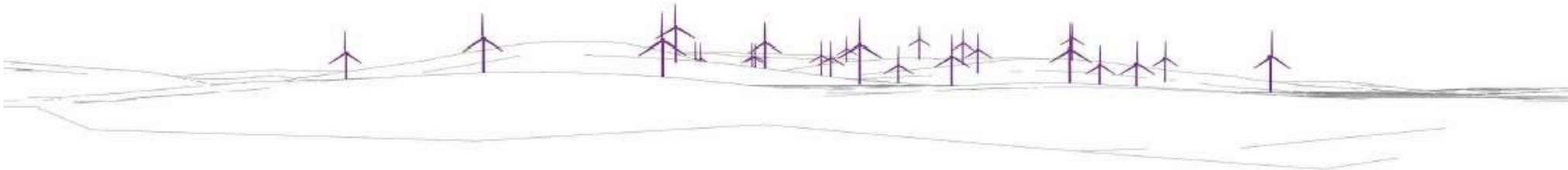


Hoy Wind Farm Feasibility Wireline from Lyness, Hoy



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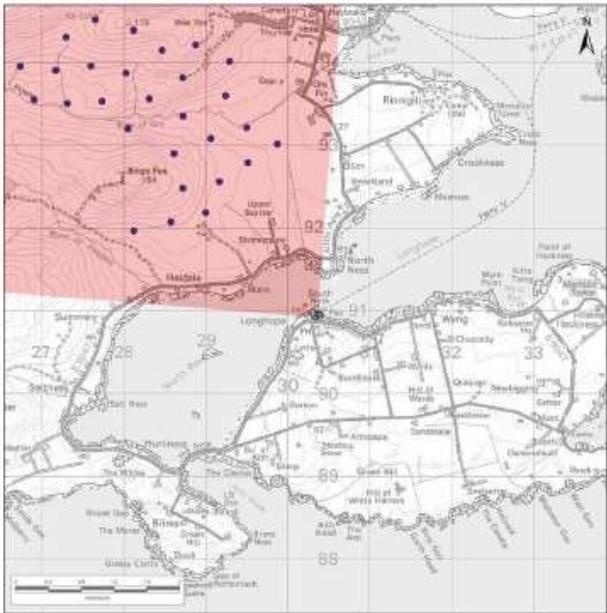
View to Hoy Wind Farm from the pier in Longhope



Wireline drawing

Viewpoint Grid Reference	330356, 990947	Direction of View	319.29°	Turbine Top Height	125m
Distance to Nearest Turbine	1,838m	Viewpoint Height	3.05m AOD	Turbine Hub Height	75m

Wind Farm Feasibility Studies Hoy Wind Farm Site - Wireline



Next Steps

- Commence scoping with Scottish Government.
- Information gathering phase to support application for planning.
- Commence bird studies.
- Planning for met mast(s).
- Ongoing discussions with the local community.
- Continue to press the UK Government for Remote Island wind support.
- Site investigations will take a minimum of 2 years.
- Timescale – nothing built before 2022.

Any questions?