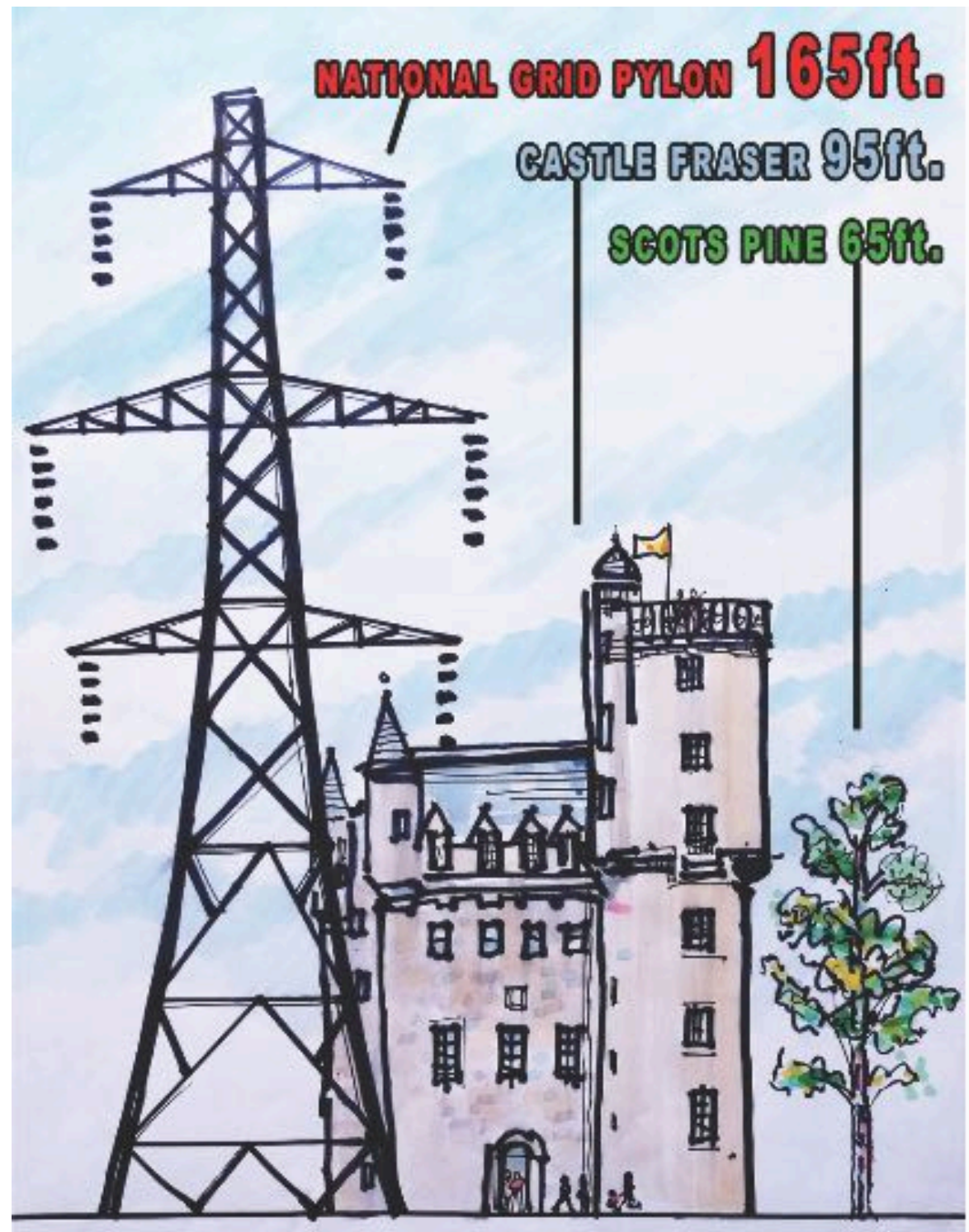


WAPA

**West Aberdeenshire
Pylon Action**

Welcome you to

Rannes Hall,
Kennethmont
7:00pm to 8:30pm
Thu 27th October





Who we are

- To date we have been ordinary local folk who live in and appreciate our beautiful iconic landscape, however, we now realise that a more structured approach is required if we are to succeed in our Campaign.
- Apolitical
- Since March 2016 public meeting at Monymusk (SSE), we have instigated and managed the Campaign
- From this evening, hope to encourage you to play your part
- Give you the story so far; complex though it is!
- Looking for more support to strengthen the Campaign
- To date, individual donations have funded printing, posters, banners and hall rentals; our time is given freely

The Story so Far



- A landscape and way of life worth preserving
- We are realistic; electricity has to be transported
- Why is the new system needed?
 - Demand (loss of coal fired power stations)
 - Renewables (opposite end of the country from the demand)
- Cheviot the Stag and the Black Black Oil
- Our Strategy, so far?

Aarhus Convention 1998



“Recognising that, adequate protection of the environment is essential to human well-being and the enjoyment of basic human rights, including the right to life itself”







Why do we need new power transmission lines?



- **This Scottish Government** is pursuing **a relentless and head-long** drive to become a zero carbon economy. This means:
 - Its support for all new **renewable energy projects is utterly uncompromising**
 - It's blindly ignoring the impact on Communities, landscape and quality of life along the length of Scotland
- Electricity is being generated at the wrong end of the UK
- Premature retirement of coal fired power stations (EEC instruction)

Who are we dealing with?



UK wide: The National Grid (a PLC and profit driven)

“We own and operate the transmission network in **England and Wales**; we operate but do not own the **Scottish networks**”

Two Distribution Network Operators (DNO's) are licensed to develop, operate and maintain **high voltage transmission systems in Scotland:**

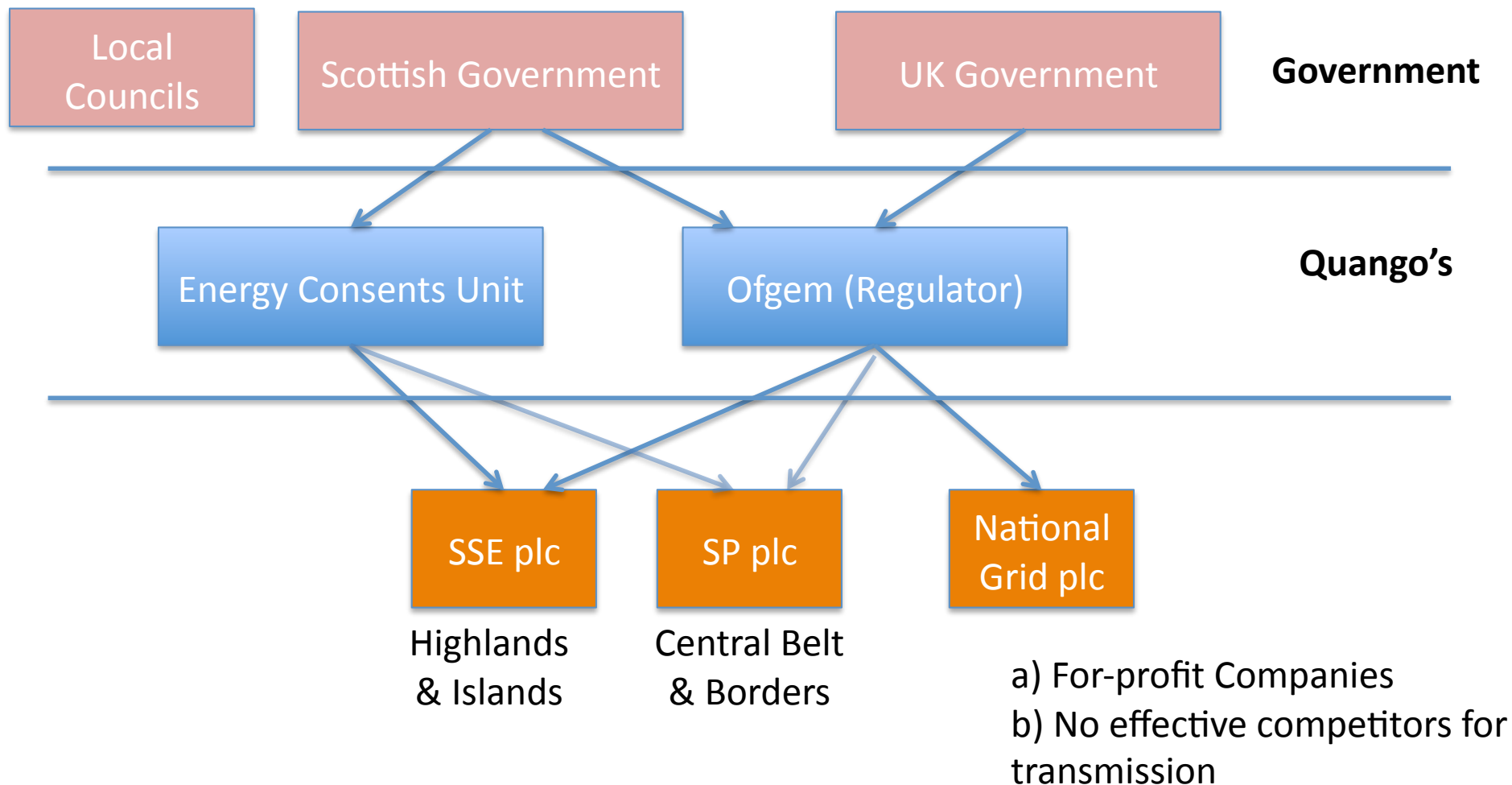
- **SSE Power Distribution** – northern Scotland and islands
- **Scottish Power Energy Networks** – central belt and borders

Consult: the meaning?

- To get information or advice
 - Which involves listening

- We've found that SSE are treating us with disdain
 - Tend to be telling not listening
 - Have told us that they are only acting on instructions!

Who is accountable?

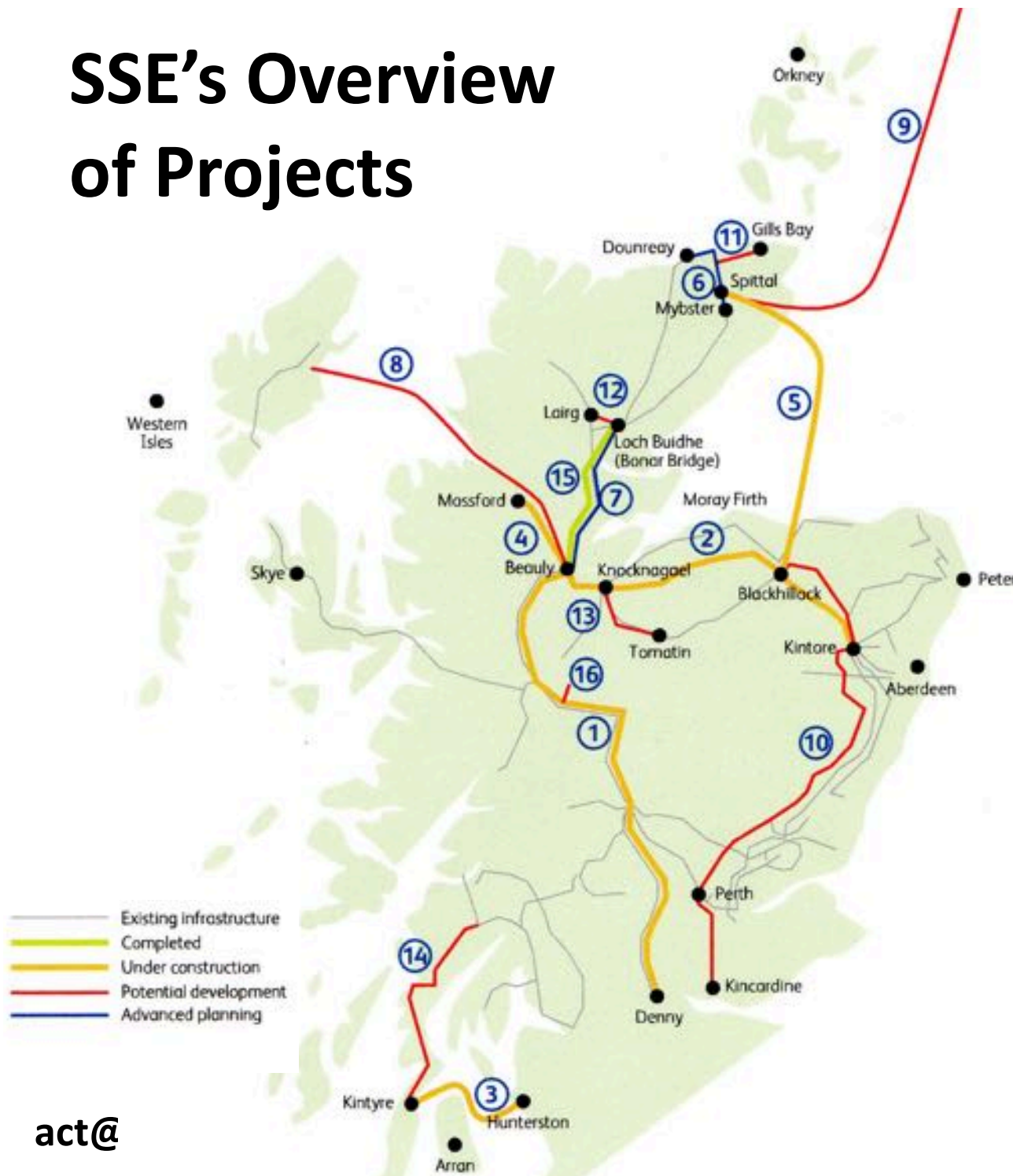




Ofgem: The Regulators

- Government QUANGO
- Require National Grid to act on their instructions
- Insists National Grid thus SSE build new transmission lines **as cheaply as possible**
- Which means that SSE plc licensed by National grid will use **routes of least resistance and cheapest option to maximise profit**

SSE's Overview of Projects



- 1 Beaulay – Denny
- 2 Beaulay – Blackhillock – Kintore
- 3 Kintyre – Hunterston Link
- 4 Beaulay – Mossford
- 5 Caithness – Moray HVDC
- 6 Dounreay – Mybster
- 7 Beaulay – Loch Buidhe Reconductoring
- 8 Western Isles Link
- 9 Shetland Isles Link
- 10 East Coast Phase 1
- 11 Gills Bay Radial
- 12 Lairg – Loch Buidhe
- 13 Knocknagael – Tomatin
- 14 Inveraray – Crossaig Reinforcement
- 15 Beaulay – Loch Buidhe Reinforcement
- 16 Melgarve Substation
(Stronelairg Wind Farm Connection)

act@

WAPA SAY
NO 

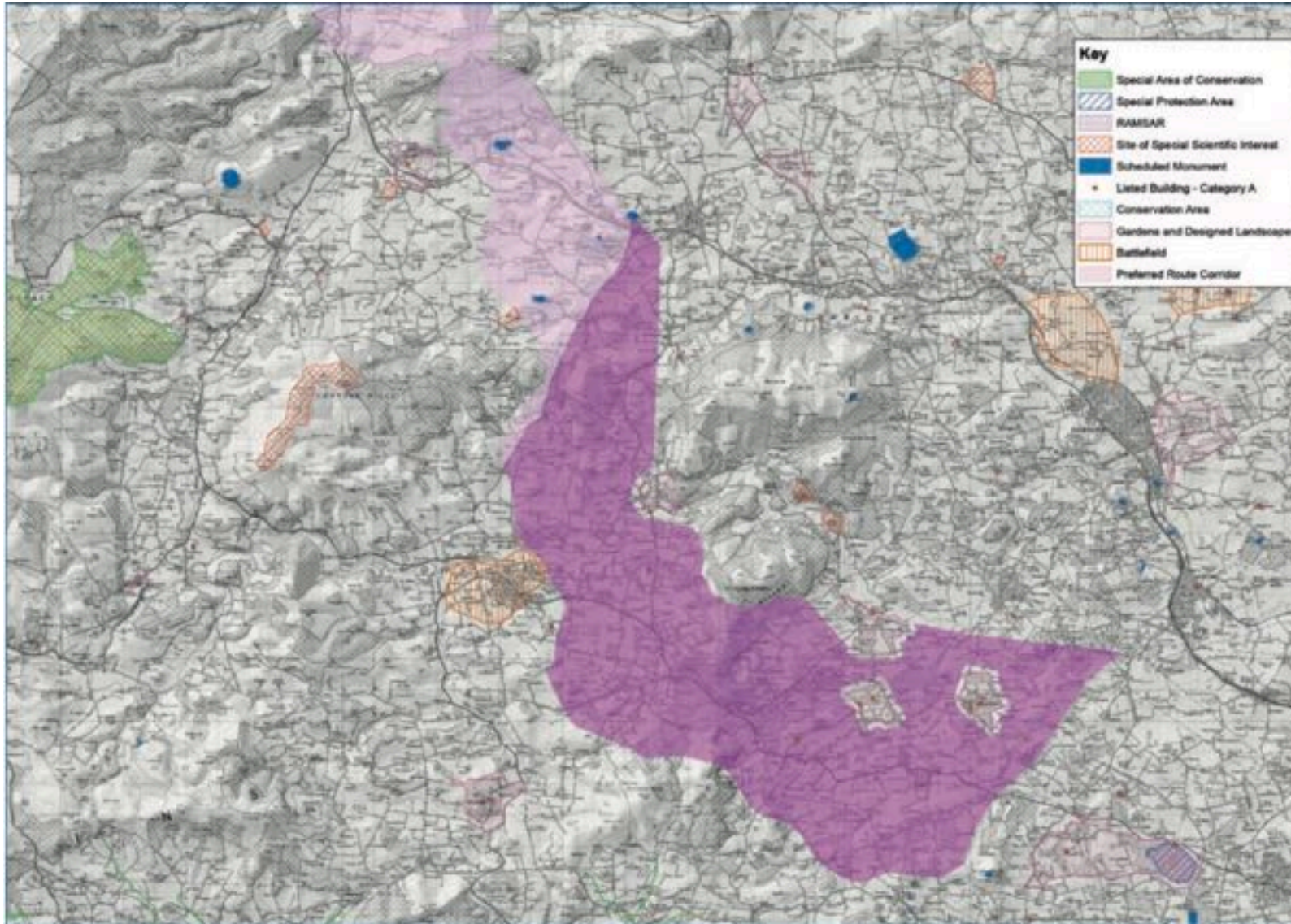


NATIONAL GRID PYLON 165ft • LEITH HALL 65ft

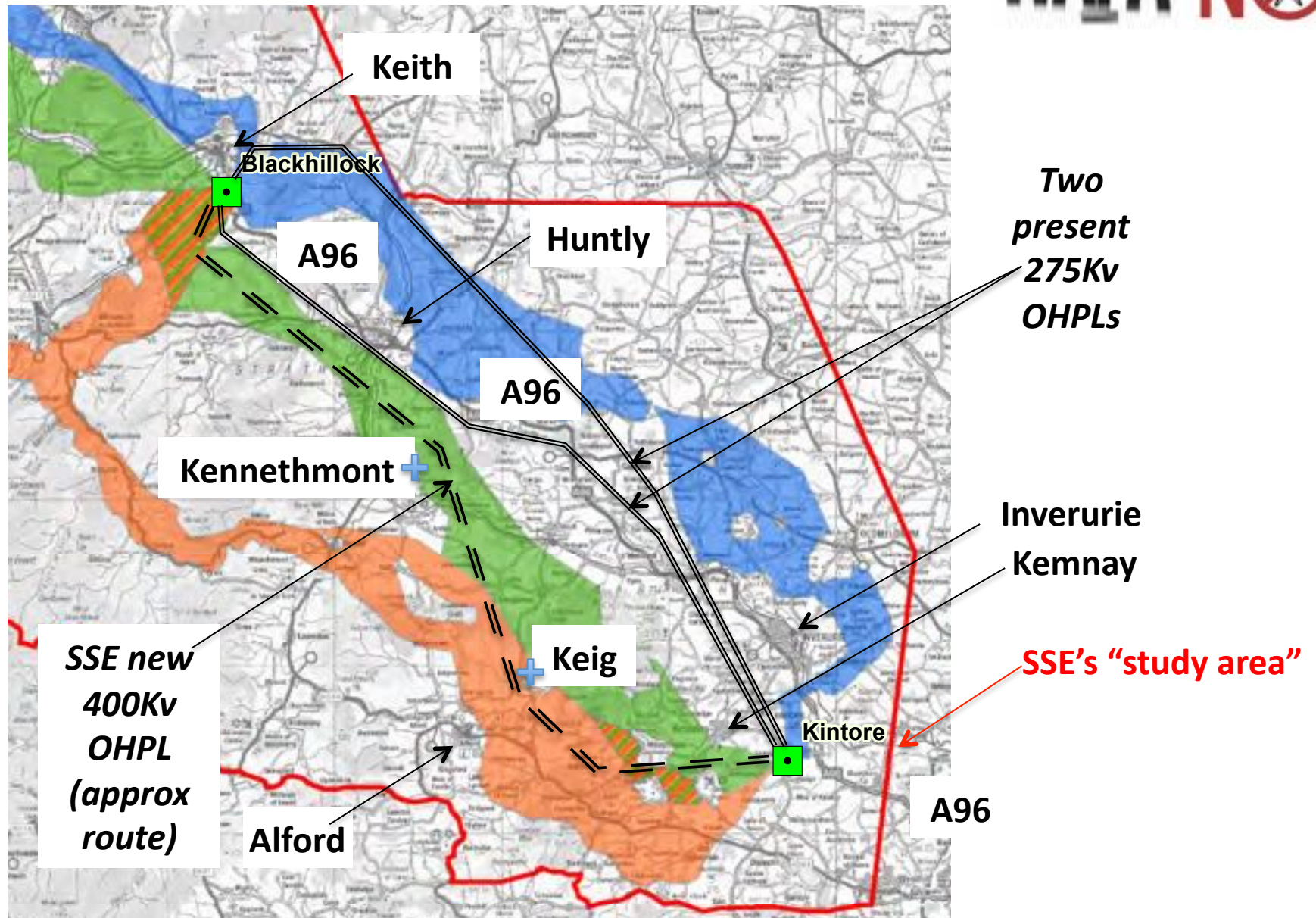
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WAPA West Aberdeenshire
Pylon Action

SOUTHERN CORRIDOR

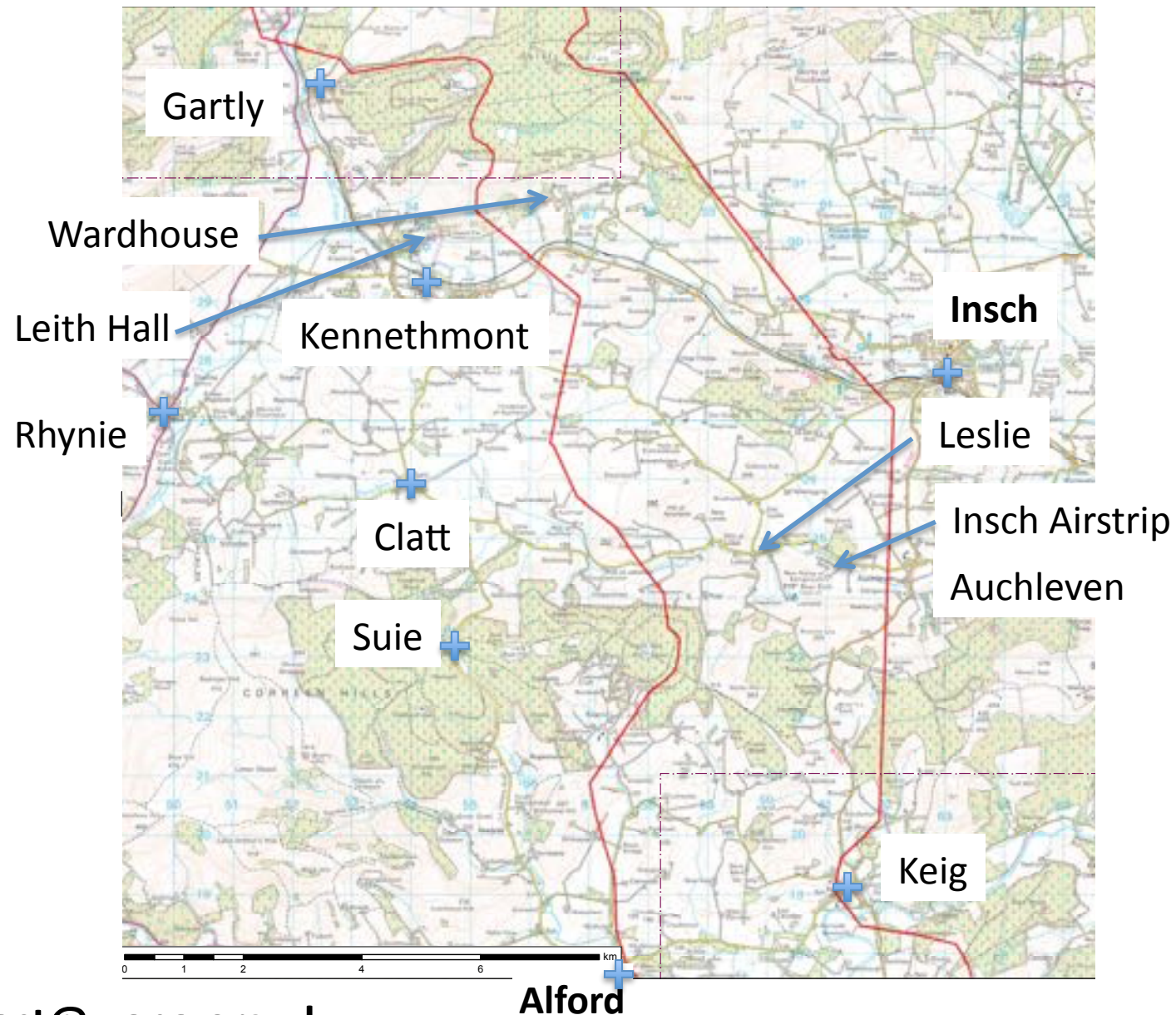


SSE's corridors Keith to Kintore



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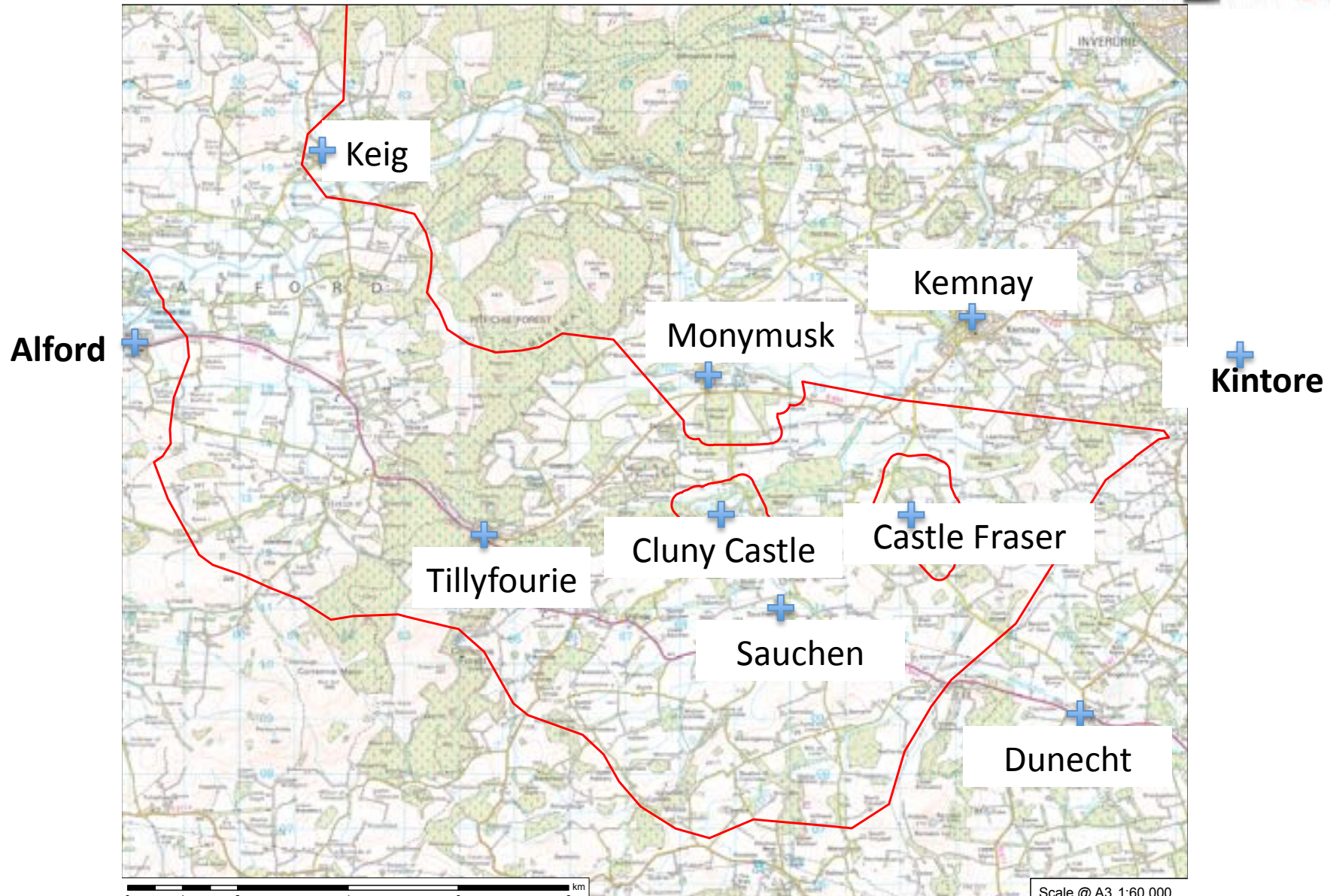
SSE's S corridor: Gartly - Keig



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Alford

SSE's S corridor: Keig - Kintore



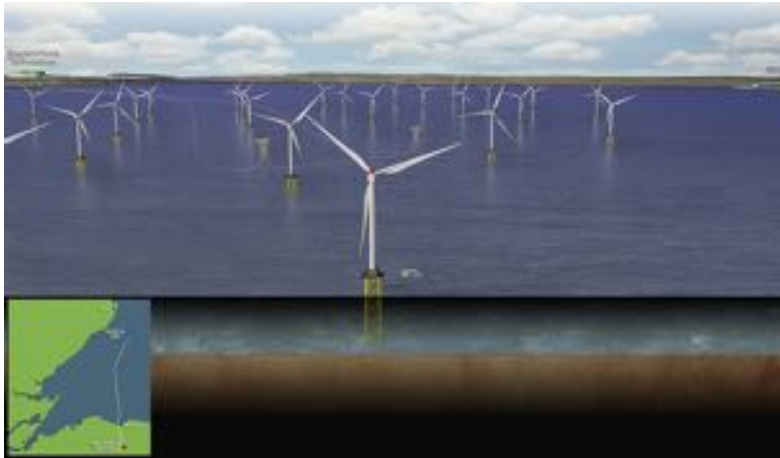
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Renewable Energy

- A clutch of massive renewable projects
 - **Some Scottish Projects:**
 - ✓ BOWL: Beatrice Offshore Wind
 - ✓ Maygen: Pentland Firth
 - ✓ Western Link – submarine HVDC transmission
 - **Contrast:** the varying methods of transporting this power
 - ✓ Menai Strait
 - ✓ £450M to underground pylons in 4 English National Parks
 - ✓ £200M to underground in Lake District
 - ✓ All SSE projects in England are underground or subsea
- **Consider the difference in attitude N and S of the border**

Beatrice Offshore Wind Ltd



- £2.6Bn Outer Moray Firth (BOWL)
- 84 turbines producing 588MW
- **SSE is 40% owner** (and operator)
- CIP (Copenhagen Infrastructure Partners, a **Danish fund is 35%**)
- **SDIC Power, a Chinese state company is 25% partner.**
 - **SDIC appears to be worth £53Bn**

BOWL (cont'd)



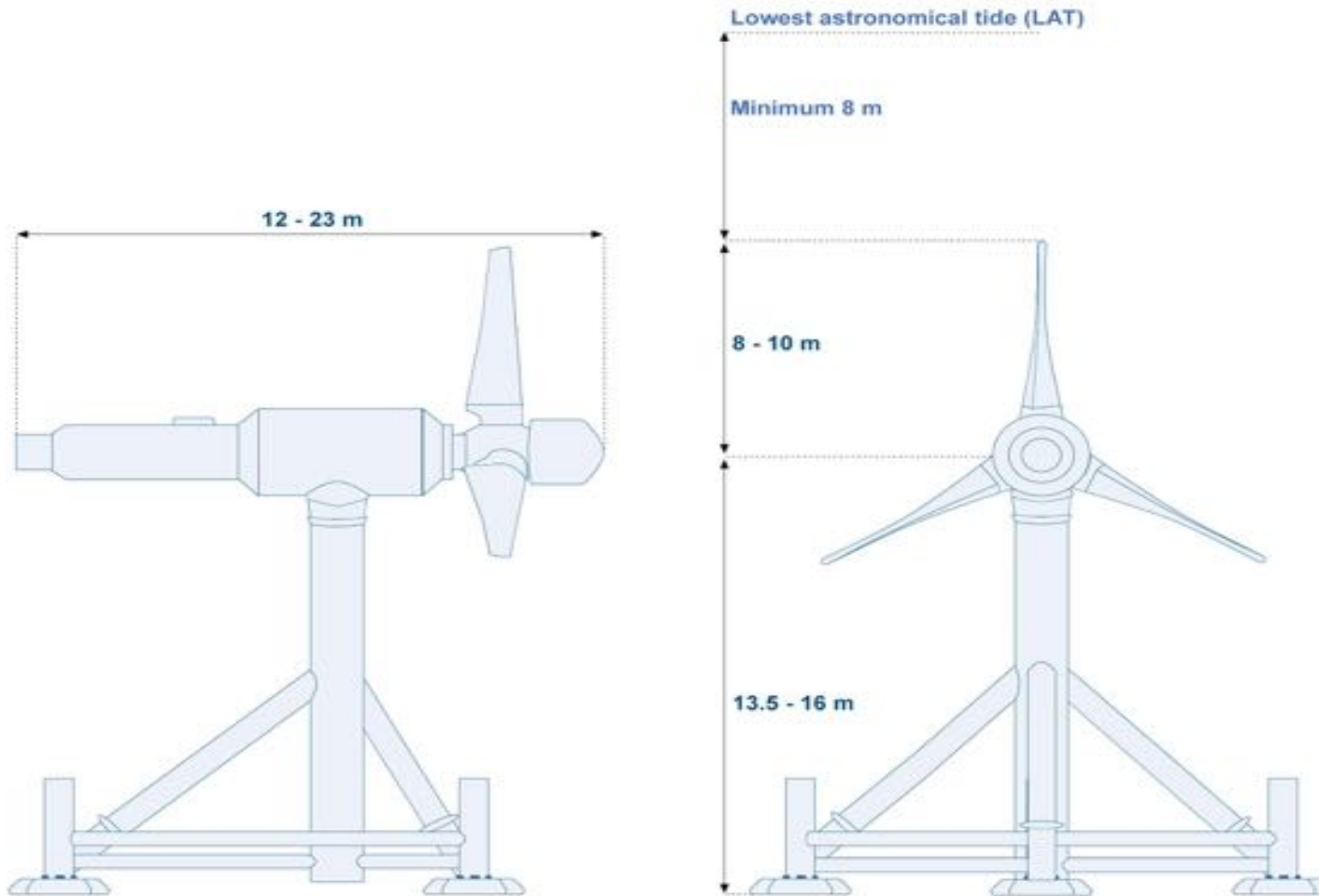
- Power from this project is to be connected via a submarine cable to Buckie then onwards to Keith/Blackhillock
- In SSE's words: "is expected to power approximately 450,000 homes
- Would supply around three times the number of homes in the Moray and Highland regions
- But, has to taken from Keith to Leylodge Kintore via this proposed new line

Pentland Firth energy



- Seabed tidal power
- Meygen has secured a 15MW connection to the local distribution network managed by SSE
- Meygen has also secured a future connection to the high voltage transmission network with SSE for 398MW by 2020's
- 265 turbines planned at 1.5MW each
- **Built in Norway**
- "The site has good access to the grid" They say!!!!!!!!!!!!!!!!!!!!!!

ANDRITZ Turbines Hammerfest



Western Link HVDC

Why do we show this?



- National Grid and Scottish Power - joint venture to build the Western Link
- **£1 billion project** to transmit renewable energy from Scotland **to England and Wales**
- Construction by consortium of Siemens (Germany) and Prysmian (Italy)

Western Link (cont'd)

- Approximately 4km of **high voltage direct current underground cable** from Hunterston to a 'landfall' at Ardneil Bay
- A **subsea marine cable** approximately **385km** long from Ardneil Bay to Leasowe on the Wirral peninsula
- An **underground** high voltage DC cable of approximately **33km** through the **Wirral peninsula**

National Grid: Menai Strait



Aled Rowlands spokesman for the National Grid Stated:

A tunnel **under the Menai Strait** is set to cost £100m and take up to five years to complete.

National Grid said it would **use underground cables instead of pylons** between Anglesey and the mainland in Gwynedd.

He said:

“this would protect the Menai Strait's natural beauty”





The Cheviot the Stag and The Black Black oil

A most poignant, very telling play by John McGrath

➤ And what are we left with?

- Scotland is becoming a conduit for electricity
- Grotesque, hideous infrastructure despoiling Scotland's unique and world famous landscape
- How many permanent jobs are left after construction? Not many!
- Where do the profits go? Elsewhere!!!
- Hence my (personal) and most earnest view that this is the 4th and as yet unwritten, sad chapter of The Cheviot, The Stag and The Black Black Oil



What We've Done

- www.wapa.org.uk 109 on email list + 188 on Facebook
- Public meetings Monymusk x 2, Kennethmont, Keig and Inch on 7th November
- Voluntary contributions
- Printed posters, leaflets and banners
- Objections to SSE, Ofgem, NG
- News items in P&J and others
- Holyrood - MSPs Burnett and Rumbles
- Consulted power distribution experts



From today?

The only people that can change the situation are **our politicians**

We're urging you to target them by letter, seek to meet at local Constituency Offices, more Press

Our politicians don't react to petitions – only:

- Individuals:
- The media

- Contact list hand out and on our websites

act@wapa.org.uk

To whom?



Gordon	Alex Salmond (SNP)	House of Commons London SW1A 0AA email: alex.salmond.mp@parliament.uk
West Aberdeenshire	Stuart Donaldson (SNP)	House of Commons London SW1A 0AA email: stuart.donaldson.mp@parliament.uk
Aberdeenshire West	Alexander Burnett (Cons)	M2.16, The Scottish Parliament Edinburgh EH99 1SP email: Alexander.Burnett.msp@parliament.scot
Ofgem/GEMA	Kersti Berg Head of Ofgem Scotland	consumeraffairs@ofgem.gov.uk Address: Glasgow G2 2BA Phone: <u>0141 331 2678</u>
SSE Project Mgr	Greig Taylor	Email: greig.taylor@sse.com

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What to say?



- **Key points to pressure:**
 - **A96 corridor:**
 - upgrade the two existing 275 kv lines there
 - If have to build a new line there, not through scenic unspoiled landscape
 - Why are they avoiding it?
 - It is already heavily industrialised
 - **Submarine cable HVDC via new N Sea loop to where the consumers are further south**
 - **Underground via HVDC using recent technologies (Alstom, ABB, Siemens)**



Gas and Electricity Markets Authority

Chairman



David Gray

Chief Executive



Dermot Nolan

Senior Partner,
Energy Systems



Andrew Wright

Senior Partner,
Consumers and
Competition



Rachel Fletcher

Non-Executive



Nicola Hodson

Non-Executive



Jim Keohane

Non-Executive



David Fisk

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Keith Lough

Non-Executive



Paul Grout

Non-Executive



Christine Farnish

Corporate Affairs

Dermot Nolan
Chief Executive

Maxine Frerk
Partner Special Projects

Simon Crine
Interim Director,
Communications

Kersti Berge
Head of Scotland

Mark Wiltsher
Associate Director,
Media and Digital

Eleanor Warburton
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External Relations and
Internal Communications

Improving Regulation

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Carola Geist-Divver
Partner, Legal

Anna Rossington
Associate Partner

James Waugh
Associate Partner

Michael Grubb
Senior Advisor

Joe Parkins
Partner

Pamela Taylor
Partner

Consumers and Competition

Rachel Fletcher
Senior Partner

Anthony Pygram
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Rob Salter-Church
Partner

Jonathan Spence
Partner, Legal

Philip Cullum*
Partner

Adam Cooper
Associate Partner

Neil Barnes
Associate Partner

Rachel Clark
Associate Partner

Priya Sinha
Associate Partner

Paul Fisher
Associate Director

*Currently on secondment,
due back early 2017.

Energy Systems

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Senior Partner

Frances Warburton
Partner

Emma Kelso
Partner

Cathryn Scott
Partner, Legal

Philippa Pickford
Associate Partner

Andrew Burgess
Associate Partner

Mark Copley
Associate Partner

Sukhinder Lall
Associate Partner, Legal

Networks

Jonathan Brearley
Senior Partner

Kersti Berge
Partner

Stephen Beel
Partner

David Ashbourne
Partner, Legal

Min Zhu
Associate Partner

Ian Rowson
Associate Partner

Paul Branton
Associate Partner

Declan Tomany
Associate Partner, Legal

Corporate Functions

Sarah Cox
Chief Operating Officer

David Gillies
Director, HR

Milton James
Director, Information
Management and
Technology

Richard Fawcett
Programme Director,
Great Working Environment

Paul Heseltine
Associate Director, Finance
and Risk Management

Julie Black
Associate Director, Business
Insight and Change

Sue Allis
Associate Director, HR

Ofgem E-Serve

Chris Poulton
Acting Managing Director

James Robinson
Interim Legal Director

Charles Hargreaves
Associate Director,
Renewable Energy

Gareth John
Associate Director,
Non-Domestic Renewable
Heat Incentive

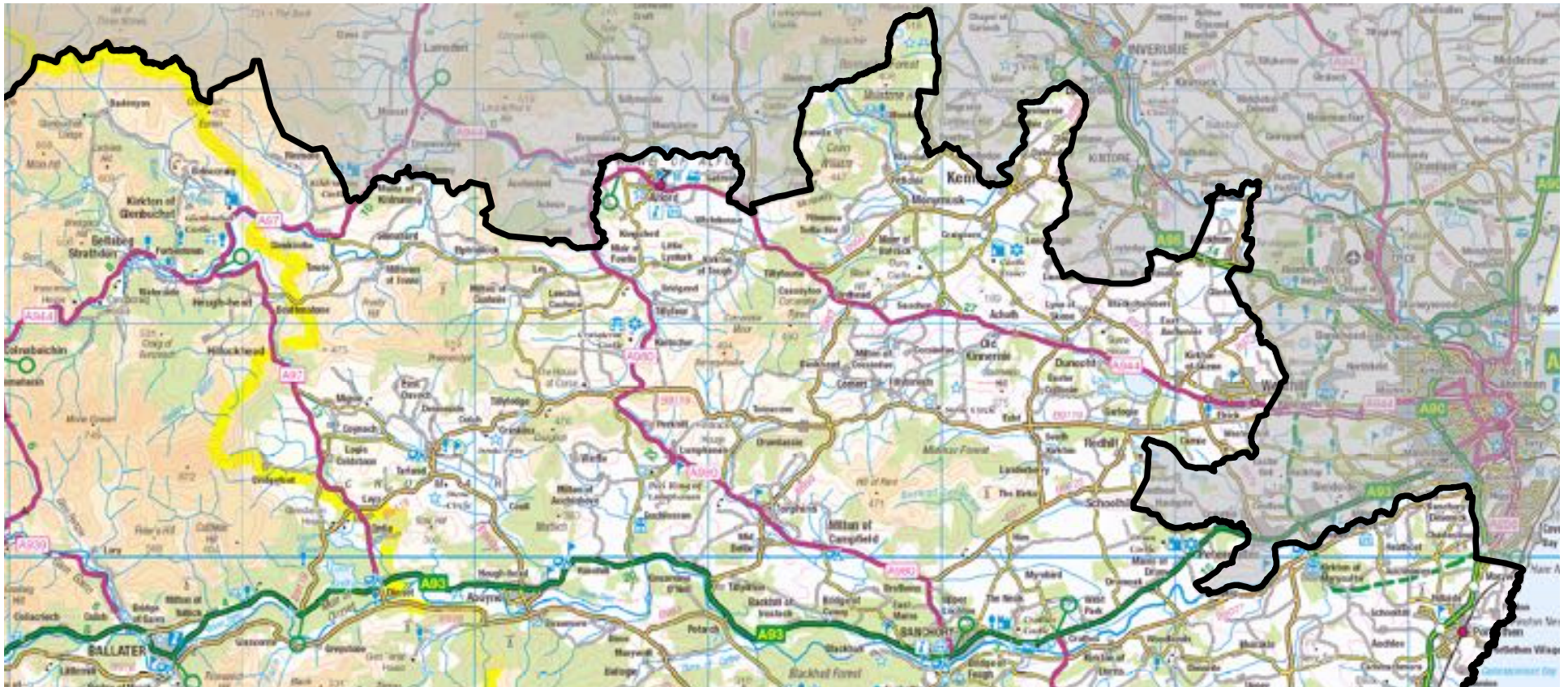
David Fletcher
Associate Director,
Energy Efficiency and
Social Programmes

Florentin Albu
Associate Director

Patricia Dreghorn
COO

Constituency Maps follow

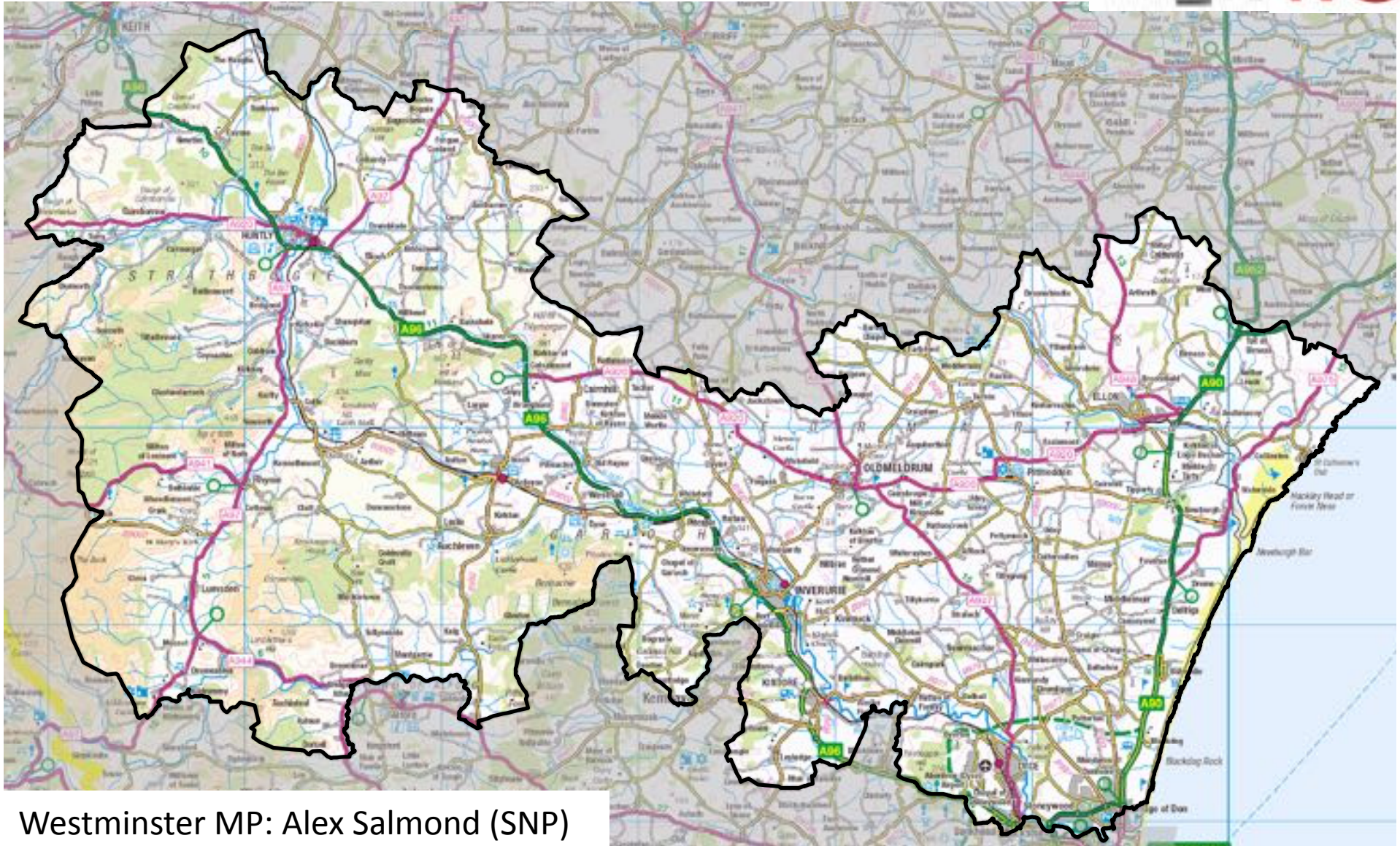
West Aberdeenshire (part)



Westminster MP: Stuart Donaldson (SNP)

act@wapa.org.uk

Gordon



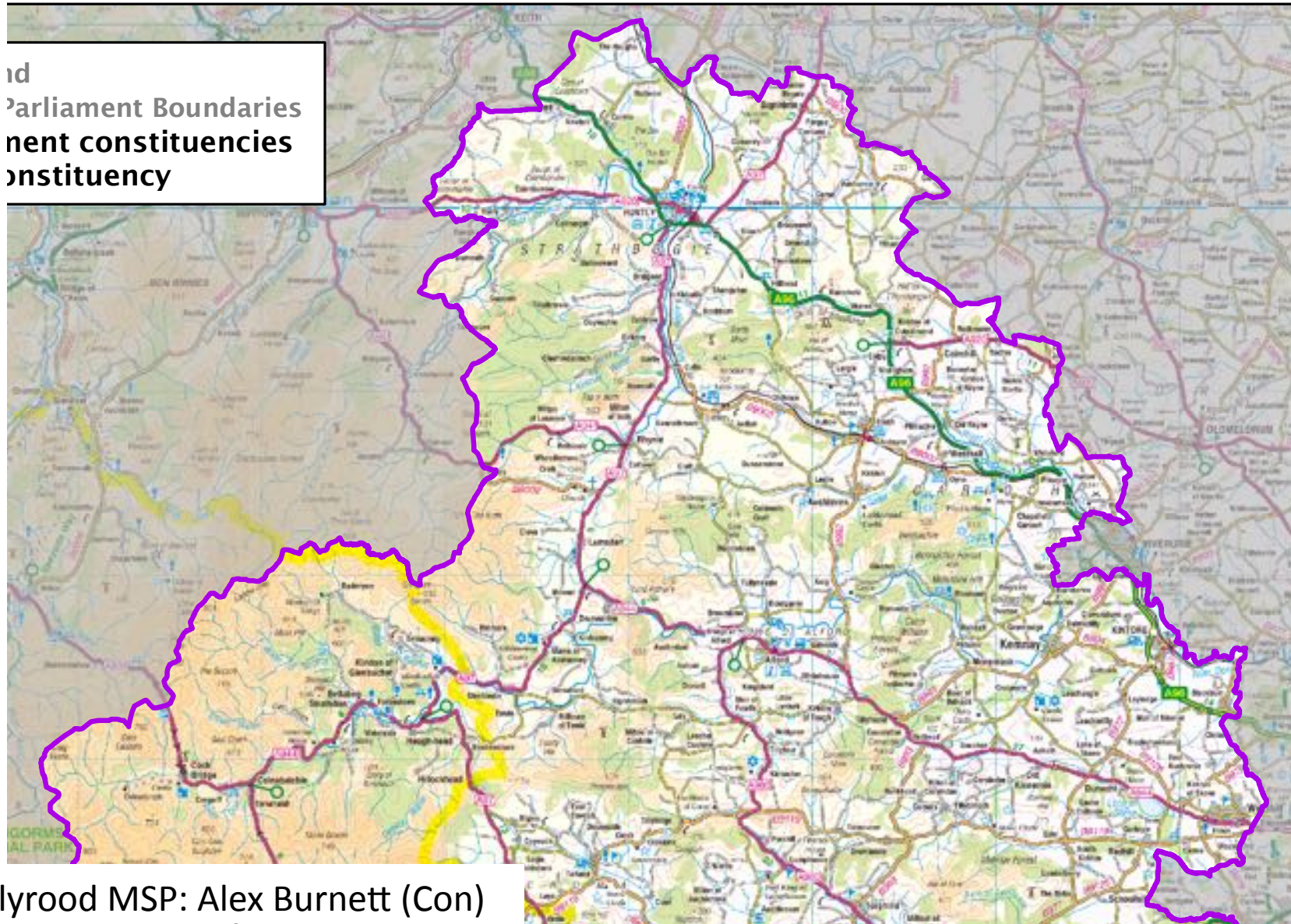
Westminster MP: Alex Salmond (SNP)

act@wapa.org.uk

Aberdeenshire West (part)

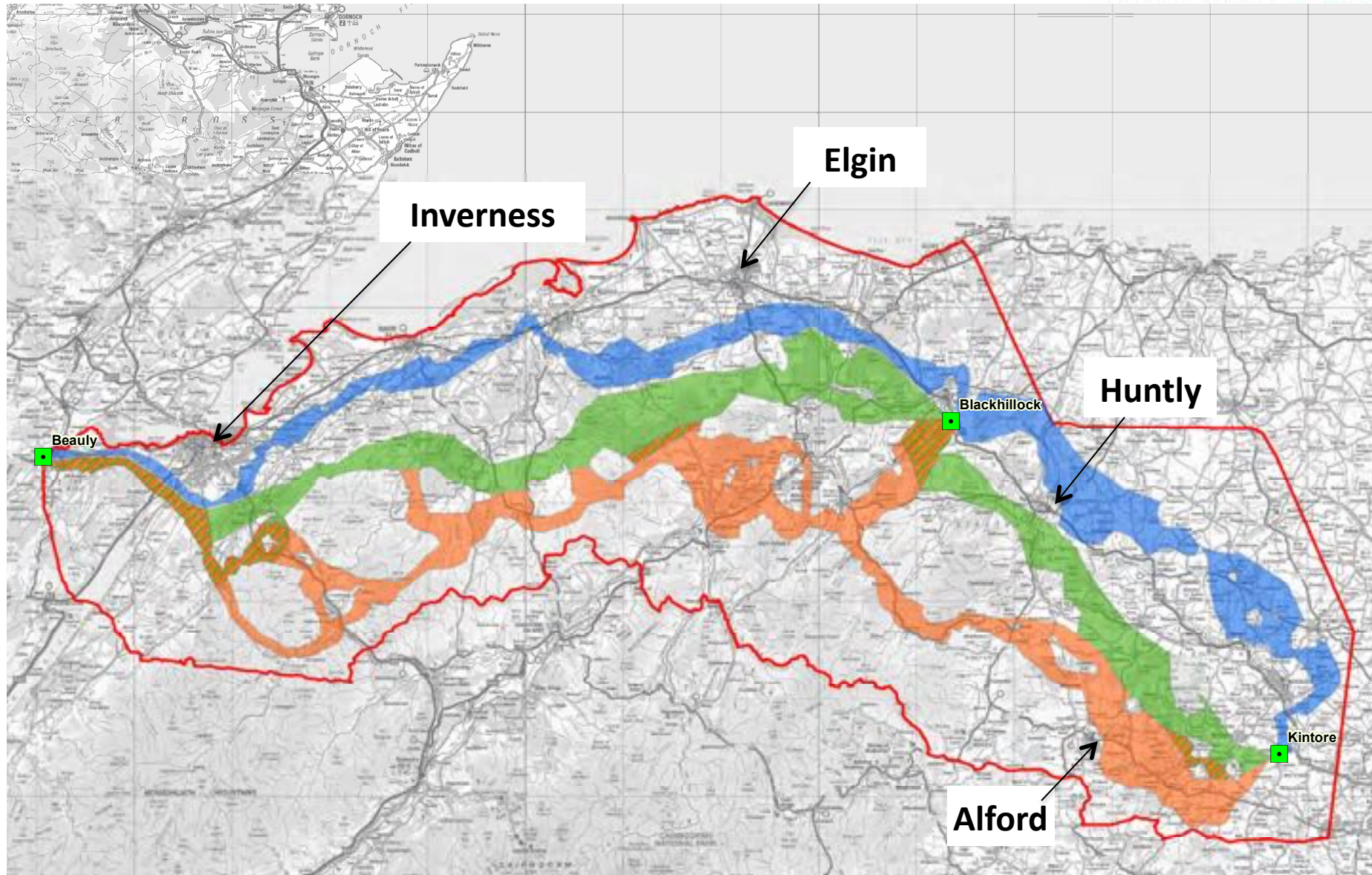


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Parliament Boundaries
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onstituency



Holyrood MSP: Alex Burnett (Con)
act@wapa.org.uk

SSE's corridors Beauly to Kintore



act@wapa.org.uk