

# The role of greenspace in addressing climate change: ParkPower

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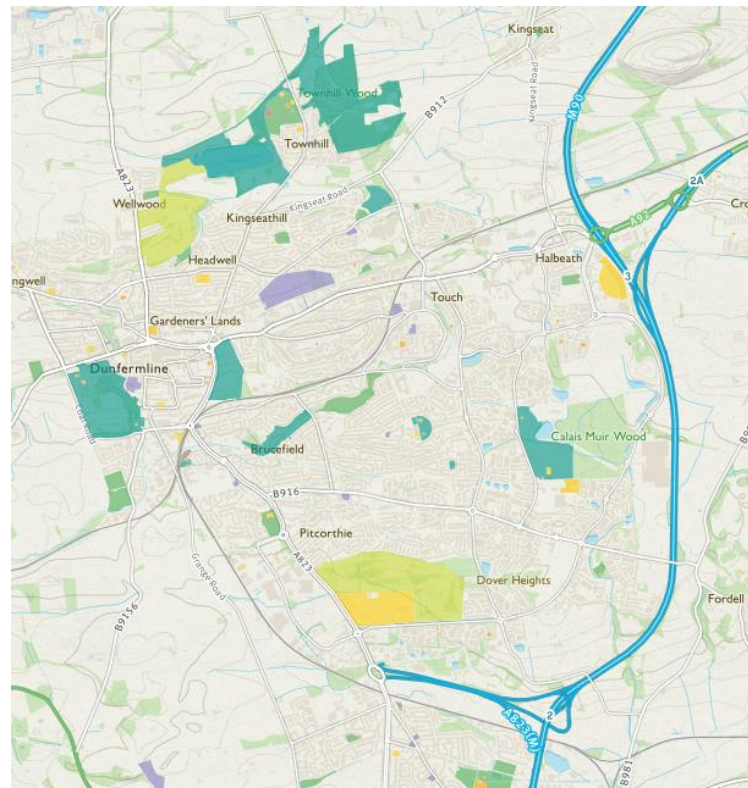
[www.parkpower.org.uk](http://www.parkpower.org.uk)

#ParkPower

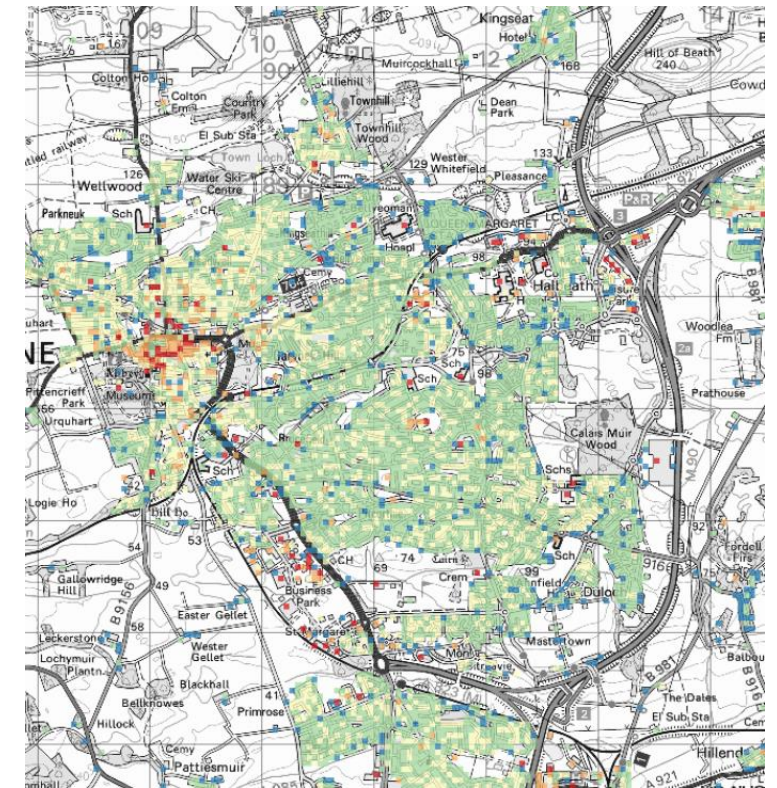
*Lochore Country Park, Fife*

# *Greenspace meets green energy*

Greenspace Map



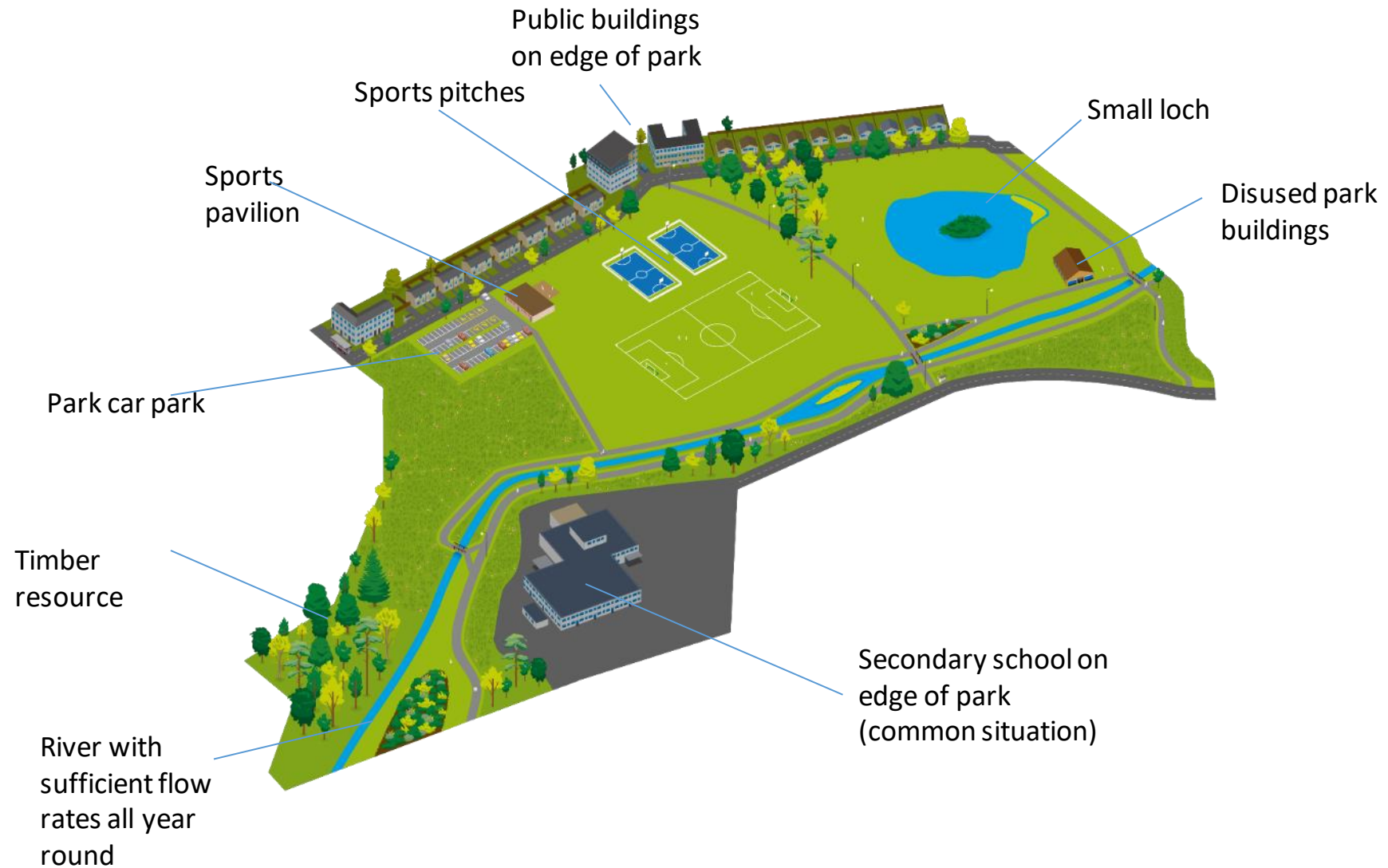
Scotland's Heat Map



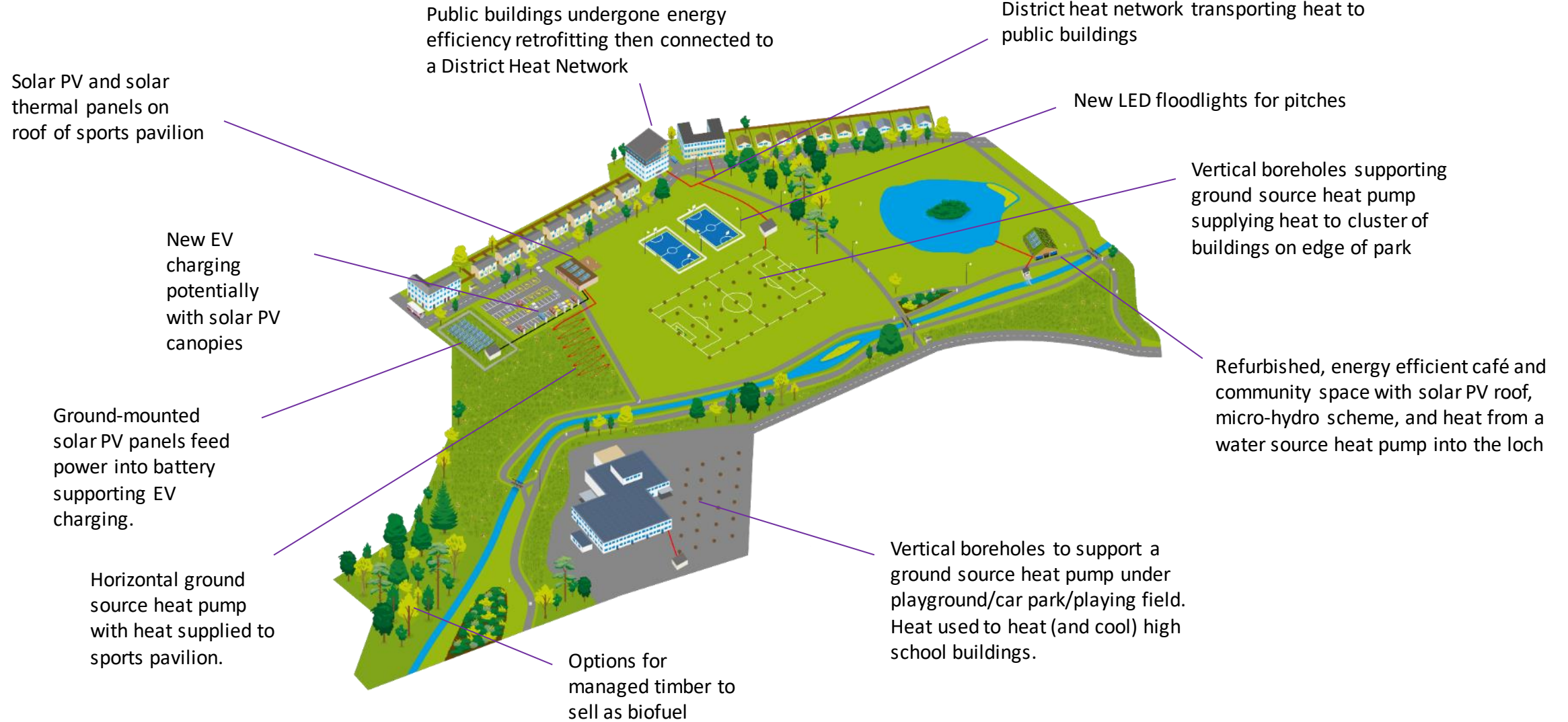
A powerful meeting of concepts and data...

The proximity of urban greenspaces to energy need, such as heat, make them ideal places to explore opportunities to generate, store and transport energy.

# Typical park BEFORE ParkPower

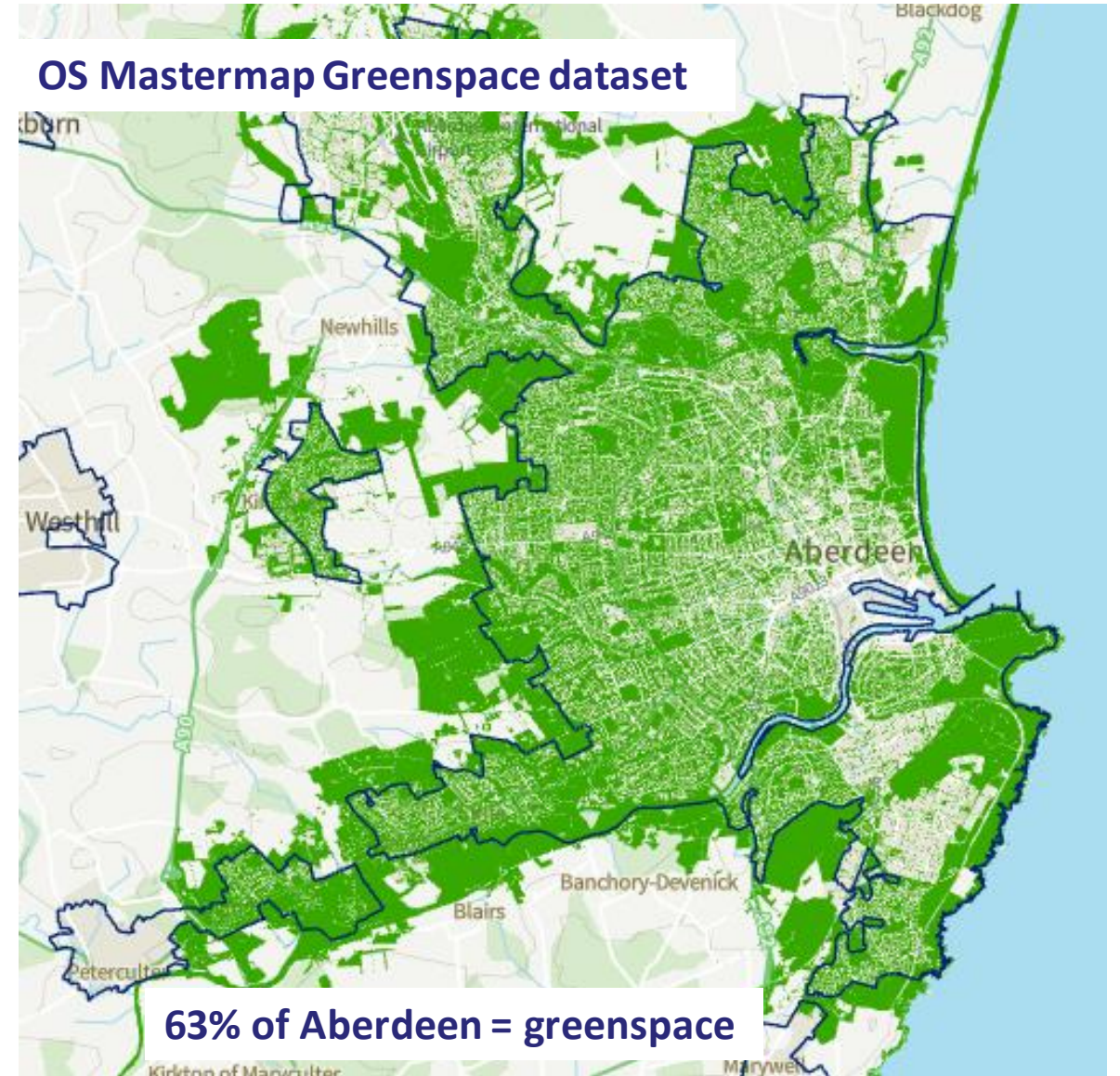
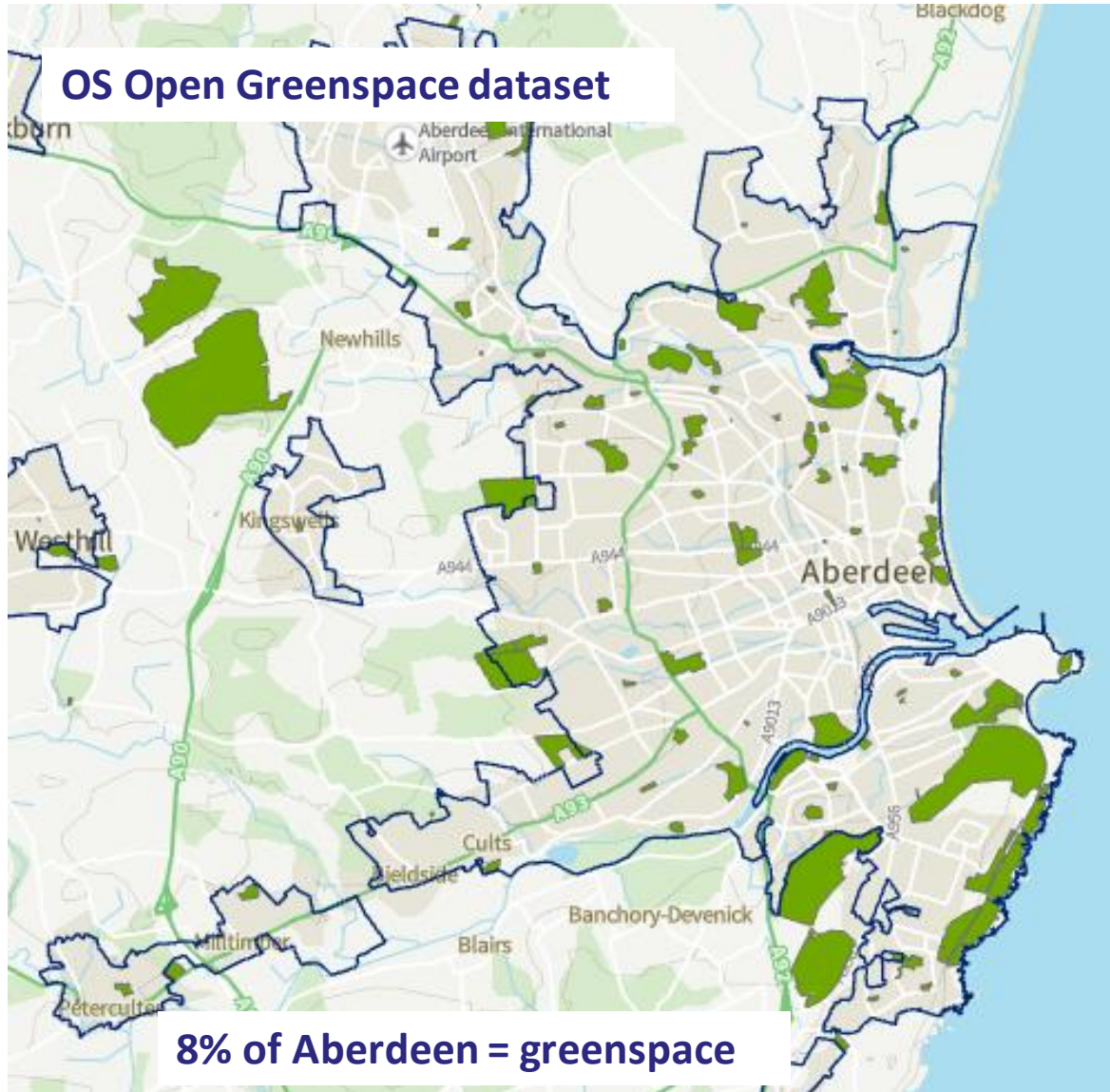


# Typical park AFTER ParkPower



*Nb. While unrealistic in practice, the model shows multiple project examples to highlight potential opportunities.*

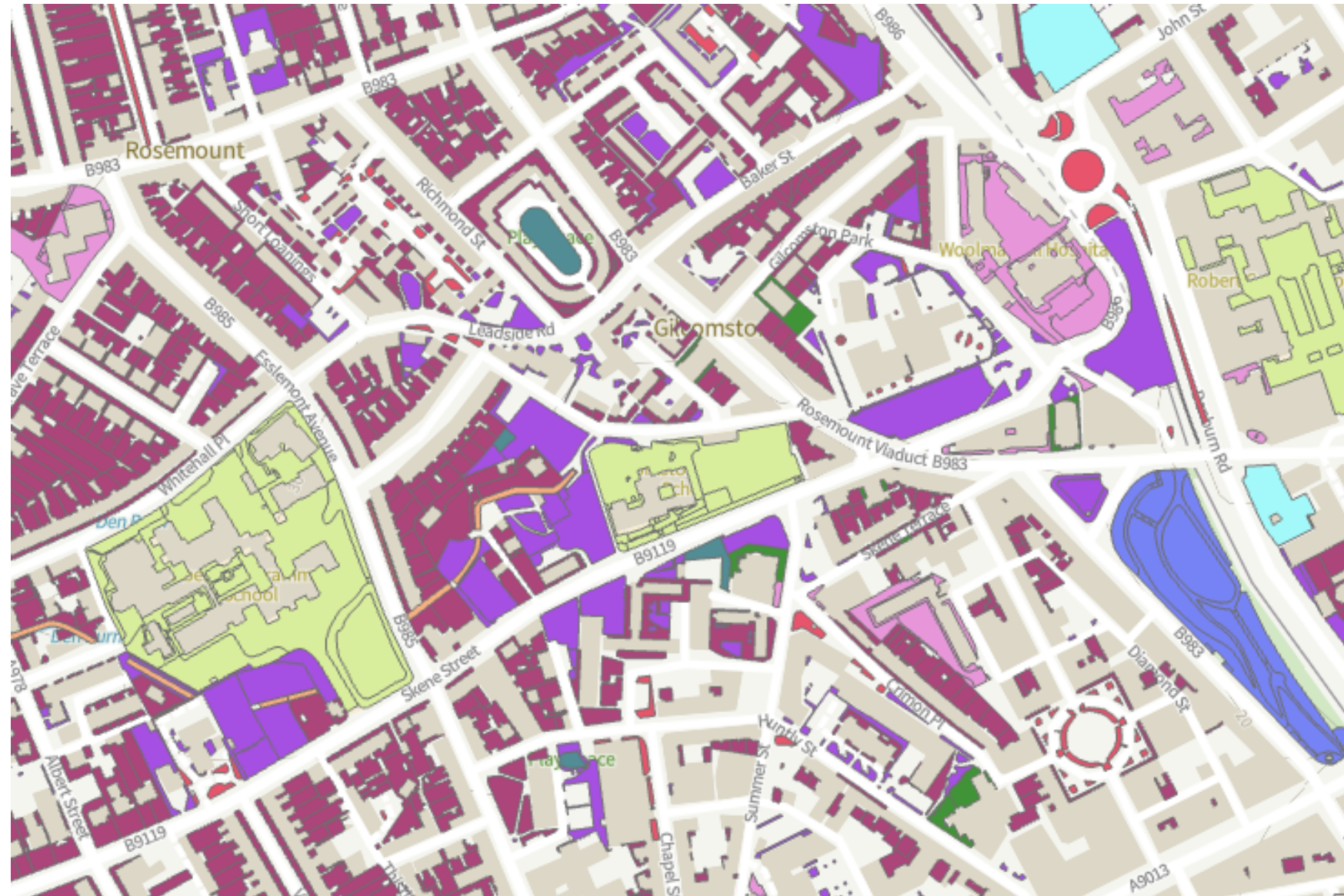
# How much of our urban area is greenspace?



# OS Mastermap greenspace by primary function

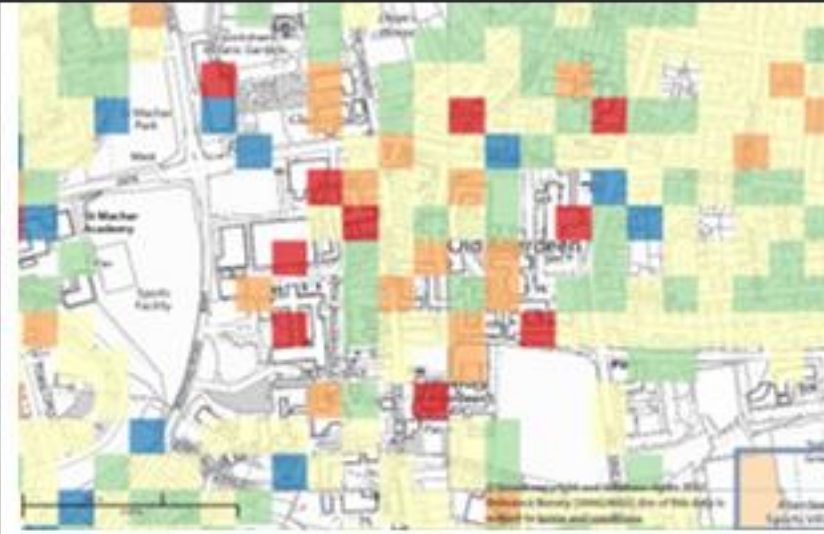
## priFunc

- Allotments Or Community Growing Spaces
- Amenity - Residential Or Business
- Amenity - Transport
- Bowling Green
- Camping Or Caravan Park
- Cemetery
- Golf Course
- Institutional Grounds
- Land Use Changing
- Natural
- Other Sports Facility
- Play Space
- Playing Field
- Private Garden
- Public Park Or Garden
- Religious Grounds
- School Grounds
- Tennis Court



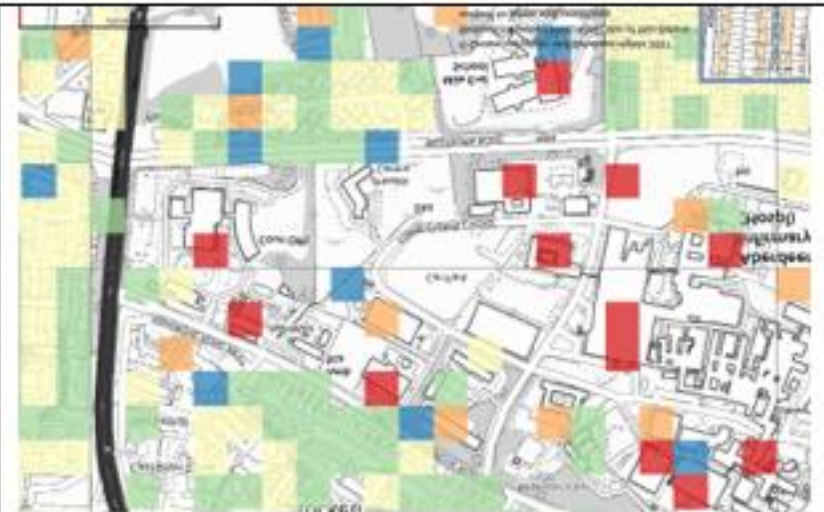
**Site 5: Higher education centre surrounded by greenspace**

Cluster of Aberdeen University buildings surrounded by greenspace – note these are older university buildings. A more modern campus style facility (like Stirling University) would have much more greenspace.



**Site 6: Public sector building cluster including council HQ surrounded by greenspace**

Cluster of public sector buildings including council HQ, hospital, ambulance station and school all surrounded by greenspace.

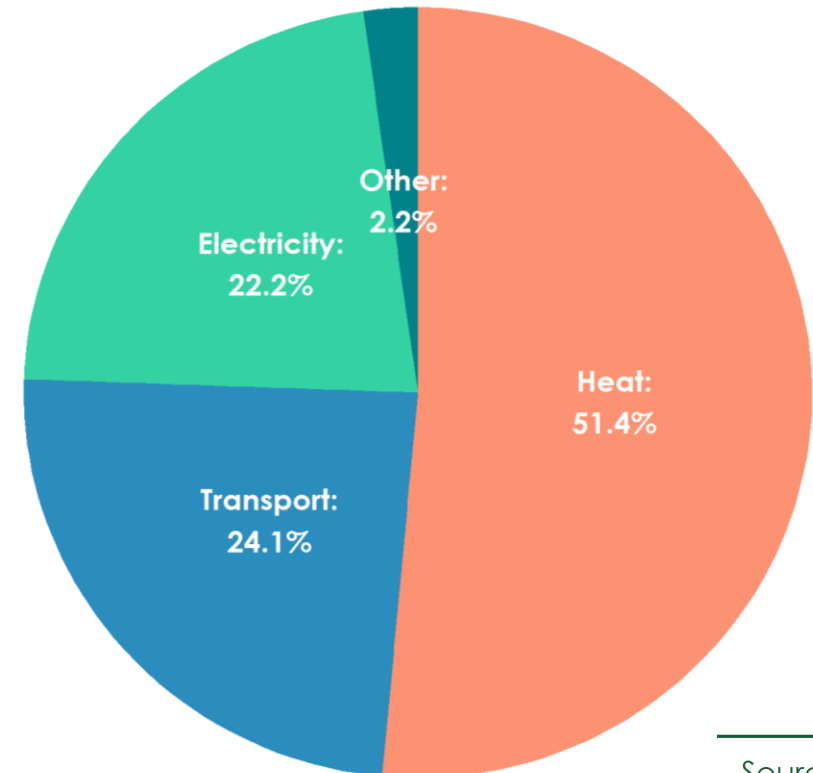


# A just energy transition

- The future of energy in Scotland: Scottish energy strategy (December 2017)
  - Target: 50% of the energy for Scotland's heat, transport and electricity consumption to be supplied from renewable energy
  - Local Heat and Energy Efficiency Strategies
  - The energy landscape is changing fast... the public sector expected to lead the way
- APSE Briefings – meeting the climate emergency challenge...
  - “Whilst there is a lot more to climate change than just energy, actions in the energy space will lead to other areas which all link together. Any authority unsure of where to start would be well advised to start its actions in the area of energy.”
  - “In simple terms this would mean identifying land and buildings for projects.”



**Total final energy consumption by sector**  
Scotland, 2017





# Hosting infrastructure



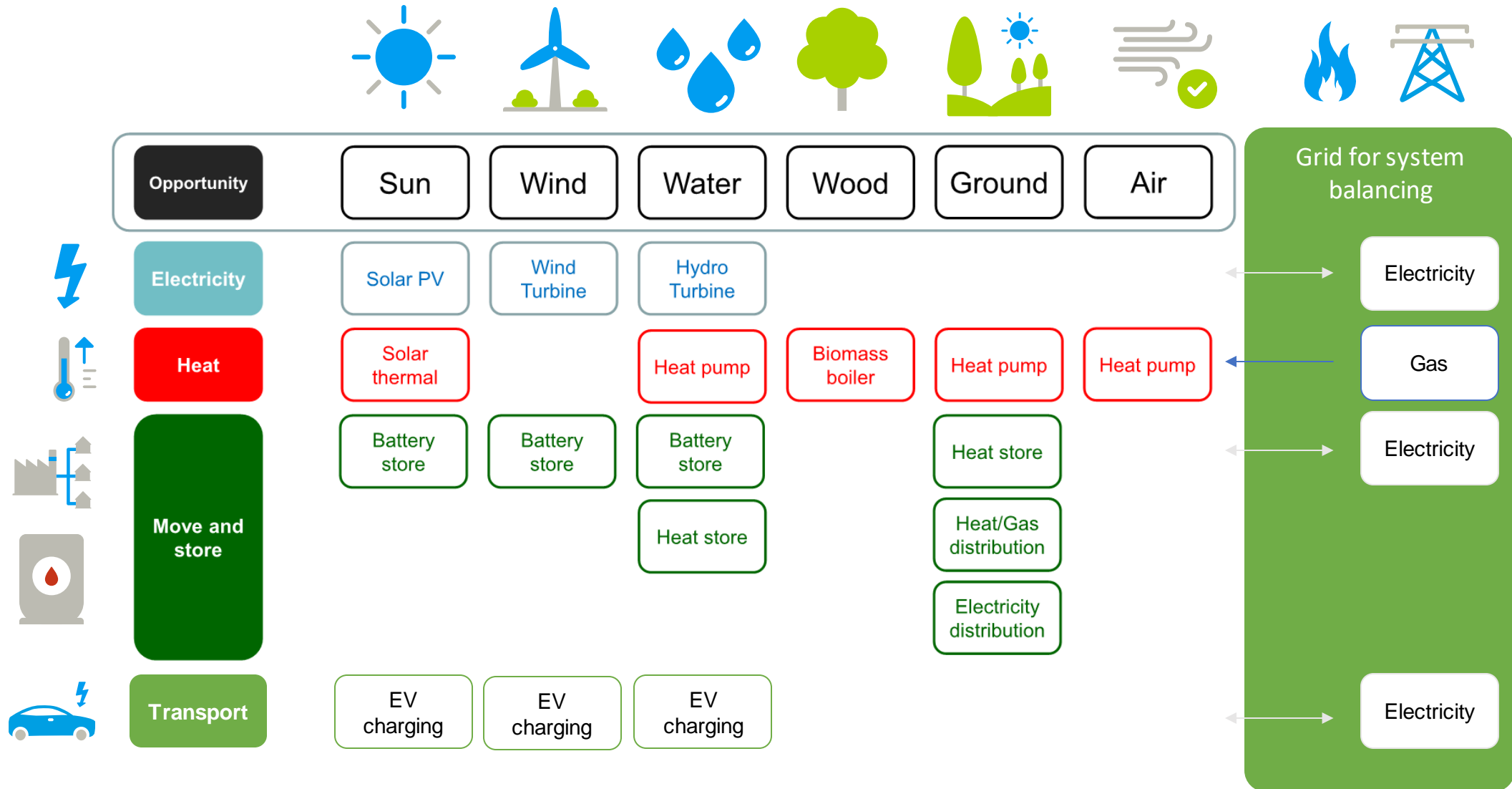
Mains electricity

Mains gas

Mains water

Mains sewer

# Multi-technology solutions



# *ParkPower: Phase 1, Saughton Park*

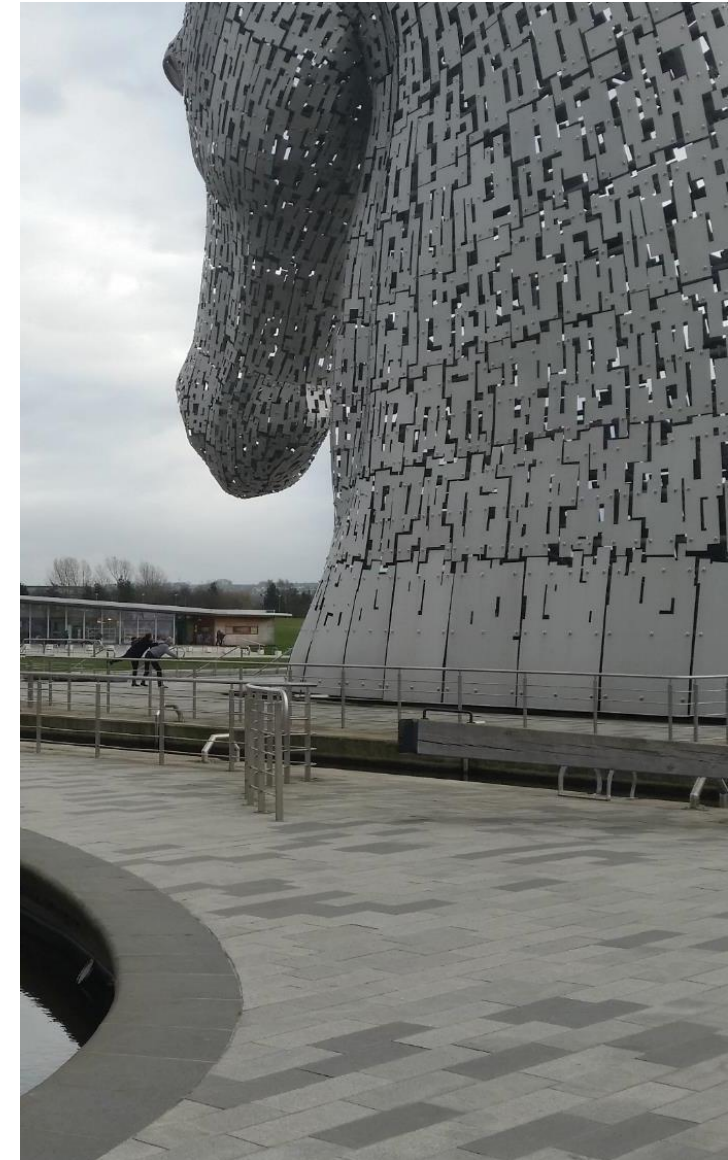


*Ground-mounted solar PV array,  
Beecraigs Country Park, West Lothian*



# ParkPower: a phased programme

- An on-going programme to develop the potential to host green energy infrastructure within parks and greenspaces in Scotland turning 'management liabilities' into key public assets.
- **Phase 1** Demonstration site at [Saughton Park](#) in Edinburgh, to investigate opportunities and implement them. **DELIVERED**
- **Phase 2** Develop a strategic 'opportunity mapping' approach to assess the potential of greenspaces at a national scale. **DELIVERED**
- **Phase 3** Feasibility study for 5 greenspace sites in Falkirk Council and North Lanarkshire. **DELIVERED**
- **Phase 4 – on-going**
  - Strategic options appraisal for City of Edinburgh Council and Glasgow City Council
  - Opportunities for large-scale new housing development
  - **Green Heat in Greenspaces (GHIGs)** Proposal for Scotland-wide site analysis – actively looking for partners.



# Short-listing sites in Glasgow..

ParkPower Dashboard+ v.1

Search by council area: None

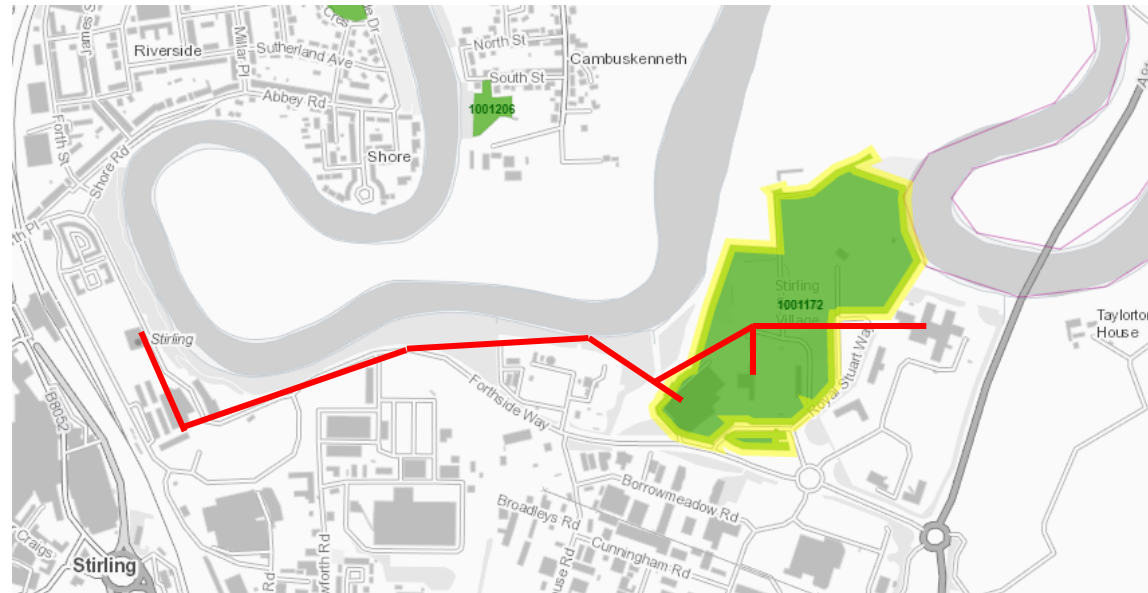


Glasgow City Council site total: 221

# Project Proposal: Green Heat in Greenspaces (GHiGs)

- Aberdeenshire Council
- Aberdeen City Council
- Clackmannanshire Council
- East Ayrshire Council
- East Dunbartonshire Council
- East Lothian Council
- Falkirk Council
- Fife Council
- Glasgow City Council
- Inverclyde Council
- Midlothian Council
- North Lanarkshire Council
- Perth and Kinross Council
- South Ayrshire Council
- South Lanarkshire Council
- West Lothian Council
- NHS National Services Scotland
- Alliance Scotland
- Central Scotland Green Network Trust
- Scottish Land Commission
- Strathclyde University
- Ordnance Survey
- Registers of Scotland
- Scottish Enterprise (Low carbon Heat Team)
- British Geological Survey
- SEPA
- Improvement Service
- Historic Environment Scotland
- ESB Energy
- ESRI (UK)

## Stirling District Heat Network



**Please contact us if you would like to be involved**

# ParkPower

If interested please get in touch:

[parkpower@greenspacescotland.org.uk](mailto:parkpower@greenspacescotland.org.uk)

[www.parkpower.org.uk](http://www.parkpower.org.uk)

Explore sites with the ParkPower Map Dashboard

<https://www.greenspacescotland.org.uk/project-dashboard>

