

Edinburgh's Energy Plans

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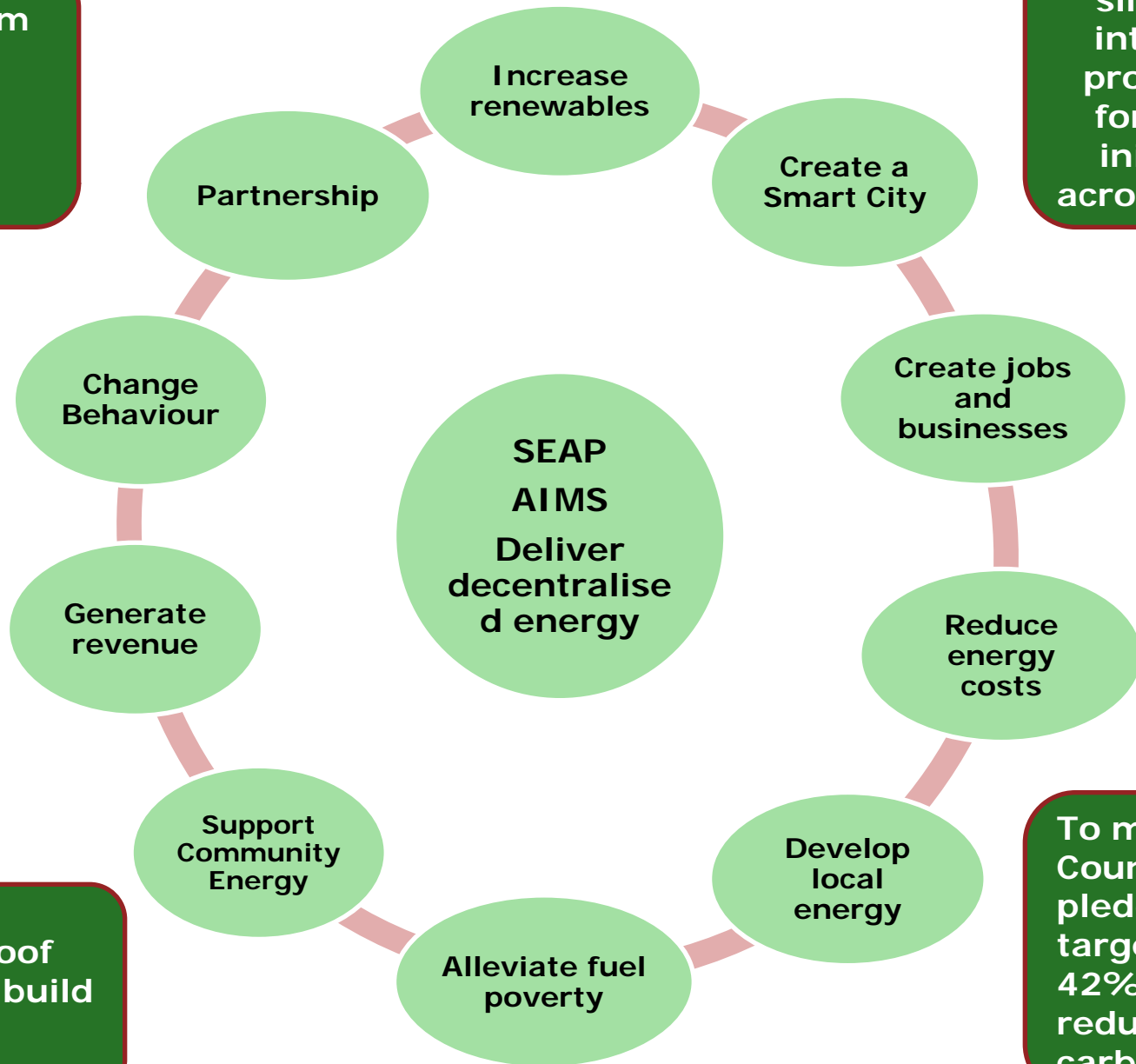
Head of Energy and Low Carbon

Economic Development & Services for
Communities



To transform energy use and supply across the city.

Provide a single and integrated programme for energy initiatives across the city

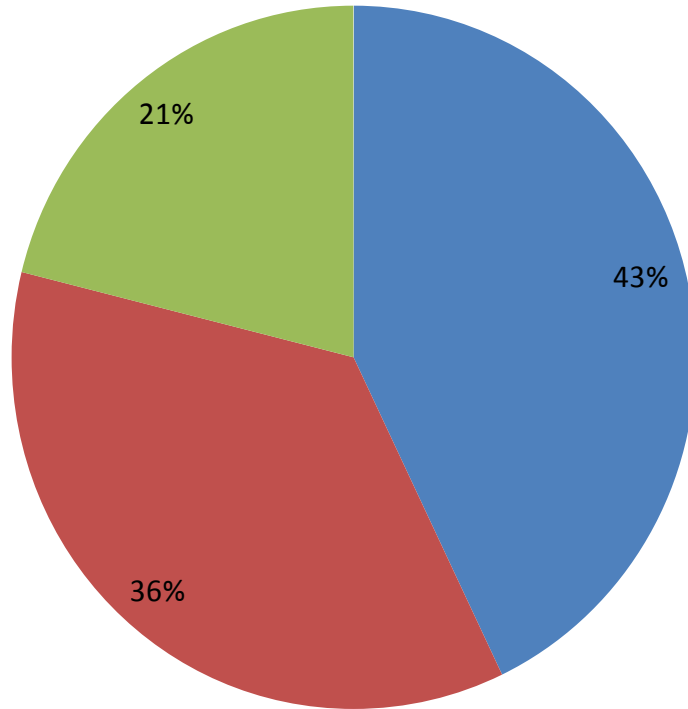


To future proof the city and build resilience.

To meet Council pledges and targets – 42% reduction in carbon.

Edinburgh CO2 Emissions within the scope of the local authority by sector

■ Industry ■ Domestic ■ Road transport



Carbon Emissions DECC 2014

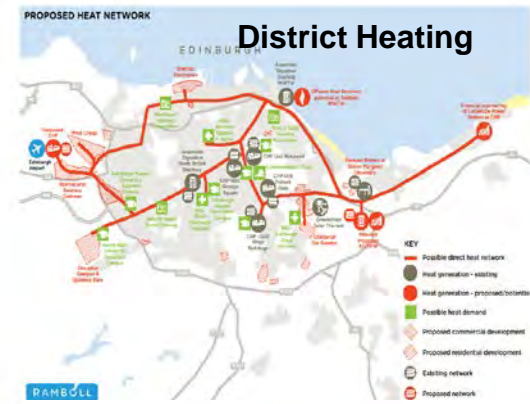
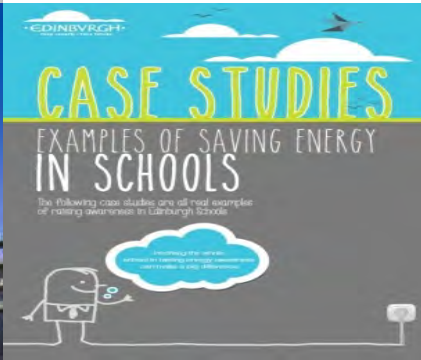
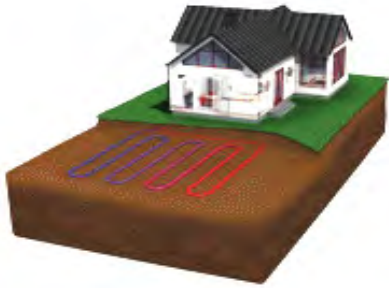
SEAP – Five suggested programmes

- Energy efficiency
- Renewables
- Resource Efficiency
- Transport
- District Heating and Renewable Heat

Carbon Reduction of 17% since 2005

Opportunities

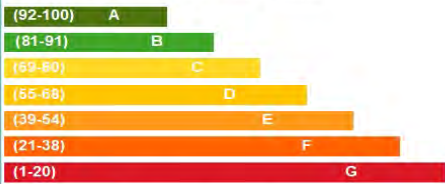
- Renewables
- Street Lighting
- Smart Meters
- Electric Vehicles
- Micro Hydro
- ESCO
- District Heating
- Buildings
- Community energy



Model 1: End-User as Borrower



Very energy efficient - low running costs



Not energy efficient - higher running costs

Opportunities

- Solar Farms
- Domestic energy
- Energy from waste
- Cycling and EV
- Fuel cells
- Schools
- Smart Cities
- Major developments



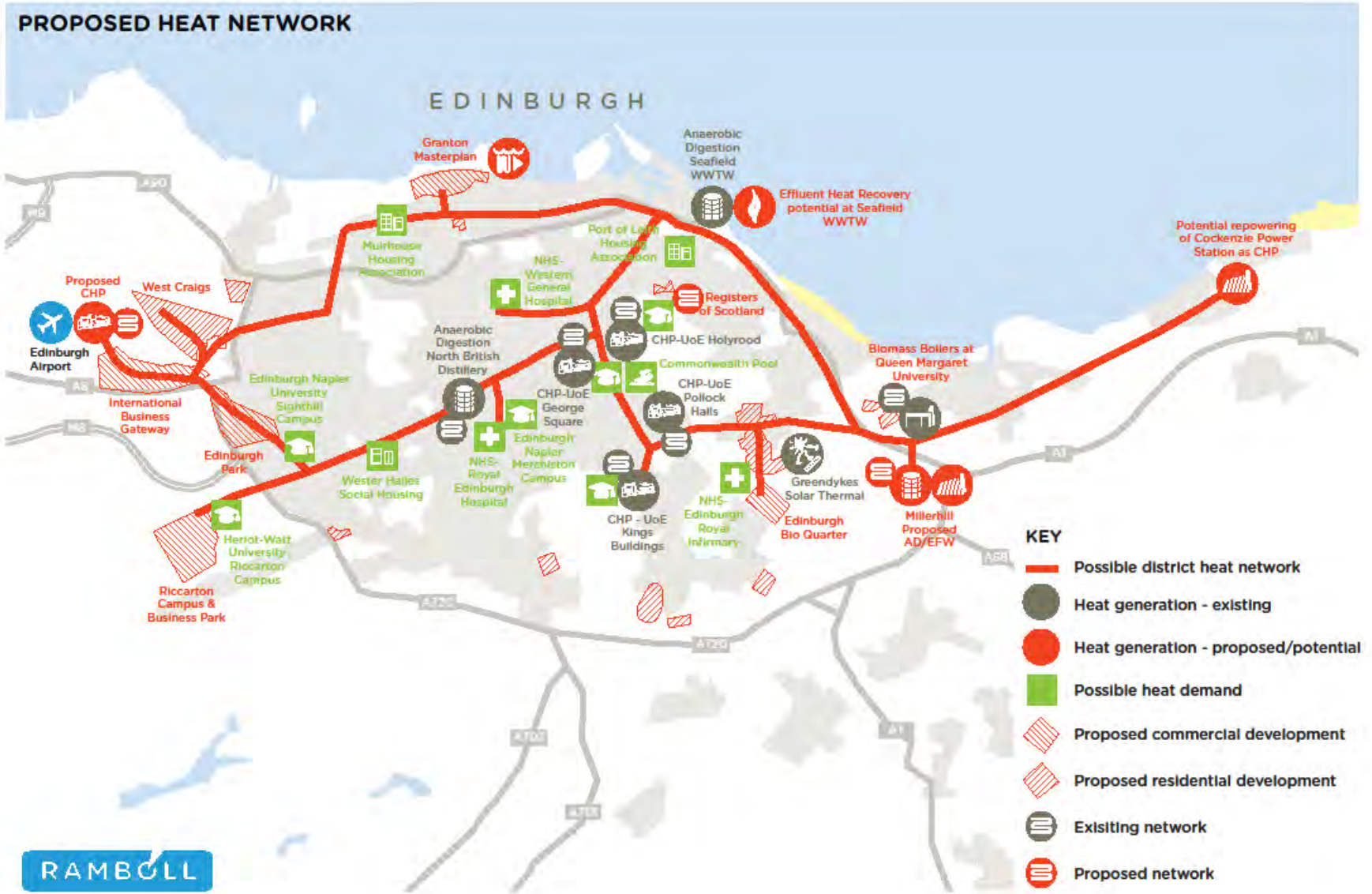
Abbeyhill Primary School
Energy Efficiency Survey



Energy Efficiency Programme

- RE:FIT programme for public buildings
- Insulation programme for private domestic sector
- Retrofit project for listed buildings
- Street Lighting programme
- Stair Lighting programme

District Heating Programme



Renewables

- Energy Co-operatives
- Solar Farms
- Solar Arrays on Council Buildings
- Ground Source Heat Pumps in parks
- “Our Power”



Resource Efficiency

- Millerhill – 30,000 tonnes food waste and 100,000 tonnes of residual waste.
- Edible Energy
- Circular Economy



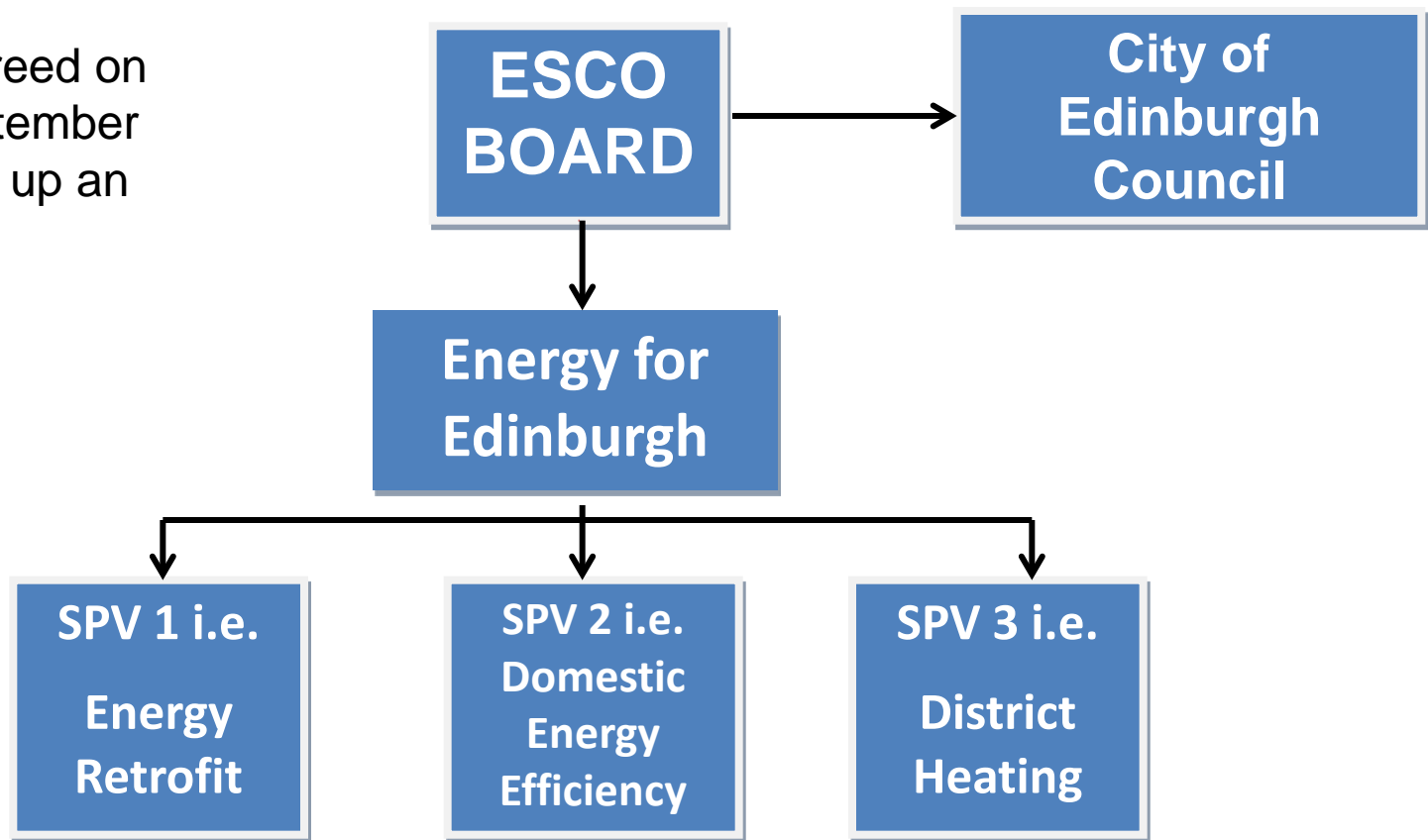
Sustainable Transport

- Electric Vehicles and Infrastructure
- Cycling and active travel
- Modal shift projects.
- Partners



Setting up Energy for Edinburgh

Council agreed on the 25 September 2014 to set up an ESCO.



Next Steps

- Identifying the carbon reduction potential from projects.
- Developing projects.
- Setting up the ESCO – legal structure and activities.
- Launch SEAP