## Energy vision: logic diagram

### Local Energy milestones

- **Aim**
  - Long term - 15+ years
  - Medium term - 10 years
  - Short term - 5 years

### Actions

**What needs to be done?**

- A. Raise awareness of local implications of peak oil.
- B. Ensure that local renewable energy production and decrease of consumption is part of the EL SOA.
- C. Ensure ELCCP develops and implements a Local Energy Policy.
- D. Identify the constraints and opportunities which exist in ELCCP Planning Policy.
- E. Encourage and incentivise sustainable, relocalised energy production.
- F. Make it easier for communities to install community owned renewables.
- G. Identify the barriers to reducing building energy demand.
- H. To find ways of making finance available on easy terms e.g. green mortgages.
- I. To identify opportunities for education and skills training in low energy building and refurbishment, renewable technologies incl. fuel wood supply chain.
- J. Set up pilot demonstration local energy projects.
- K. Analysis of local renewable energy potential.
- L. Provide advice and information on energy efficiency, energy reduction, and installation of renewables.
- M. Analysis of local demand and needs. Household, business, school, farms, fishing etc.
- N. Develop Action Plans for local renewable energy.

**Who needs to be involved?**

- ELC
- Farmers
- Teachers
- Public demand

**Policy Legislation EL SOA Incentives Grants Researchers ELC staff Farmers Teachers Public demand**

### Evidence

- Interviews with local farmers.
- Interviews with ELC.
- Research into published and unpublished information.

### Participation

- ELC staff
- Farmers
- Teachers
- Public demand

### Short term - 5 years

- Local food production and consumption is part of the ELC Single Outcome Agreement.
- Local energy demand reduction and renewable energy production is part of the ELC Single Outcome Agreement.
- SOA shapes enabling policies.
- ELC has a Local Energy Policy.
- Aligned ELC planning policy with incentives and targets.
- The issues preventing householders/businesses from making their buildings more energy efficient have been identified.
- An action plan for meeting local energy needs from local resources exists.
- It is easier for householders/businesses to reduce energy demand and install renewables.
- People are more aware about the local impacts of peak oil.
- Exemplar eco refurbishment projects in existing housing stock.

### Medium term - 10 years

- Most of the barriers for householders/businesses to reduce energy demand and install renewables have been removed
- Range of community energy initiatives functioning effectively.
- Pilot projects are set up and demonstrating a range of renewable energy technologies.
- Education and skills training exists (eco refurbishment, renewables, etc.).

### Long term - 15+ years

- Change to more local and diverse energy sources.
- Local demand tailored to local supply.
- **By 2025 we are more locally resilient because we have a diversity of energy supply and can meet our energy needs using 50% less fossil fuels.**

### By 2025 we are more locally resilient because we have a diversity of energy supply and can meet our energy needs using 50% less fossil fuels than we do in 2010

### Assumptions

**East Lothian Community Planning Partnership will agree and align:**

- **Policy will be enabling and in place**
- **Legislation will be enforcing positive change.**
- **Businesses and consumers will be welcoming of this change.**
- **Funding is available to enable Research, Technology and Skills Development.**

### External Factors

**What will make this not work:**

- **East Lothian Community Planning Partnership do not have:**
  - **Supportive and enabling policies in place**
  - **Joined up Planning**

**Legislation will be enforcing positive change.**
- Businesses and consumers are welcoming of this change.
- Funding is available to enable Research, Technology and Skills Development.

**What will make this work:**

- **East Lothian Council will have:**
  - **Supportive and enabling policies in place**
  - **Joined up Planning**

Legislation will be enforcing positive change.**
- Businesses and consumers are welcoming of this change.
- Funding is available to enable Research, Technology and Skills Development.