

What have we done as a Church?

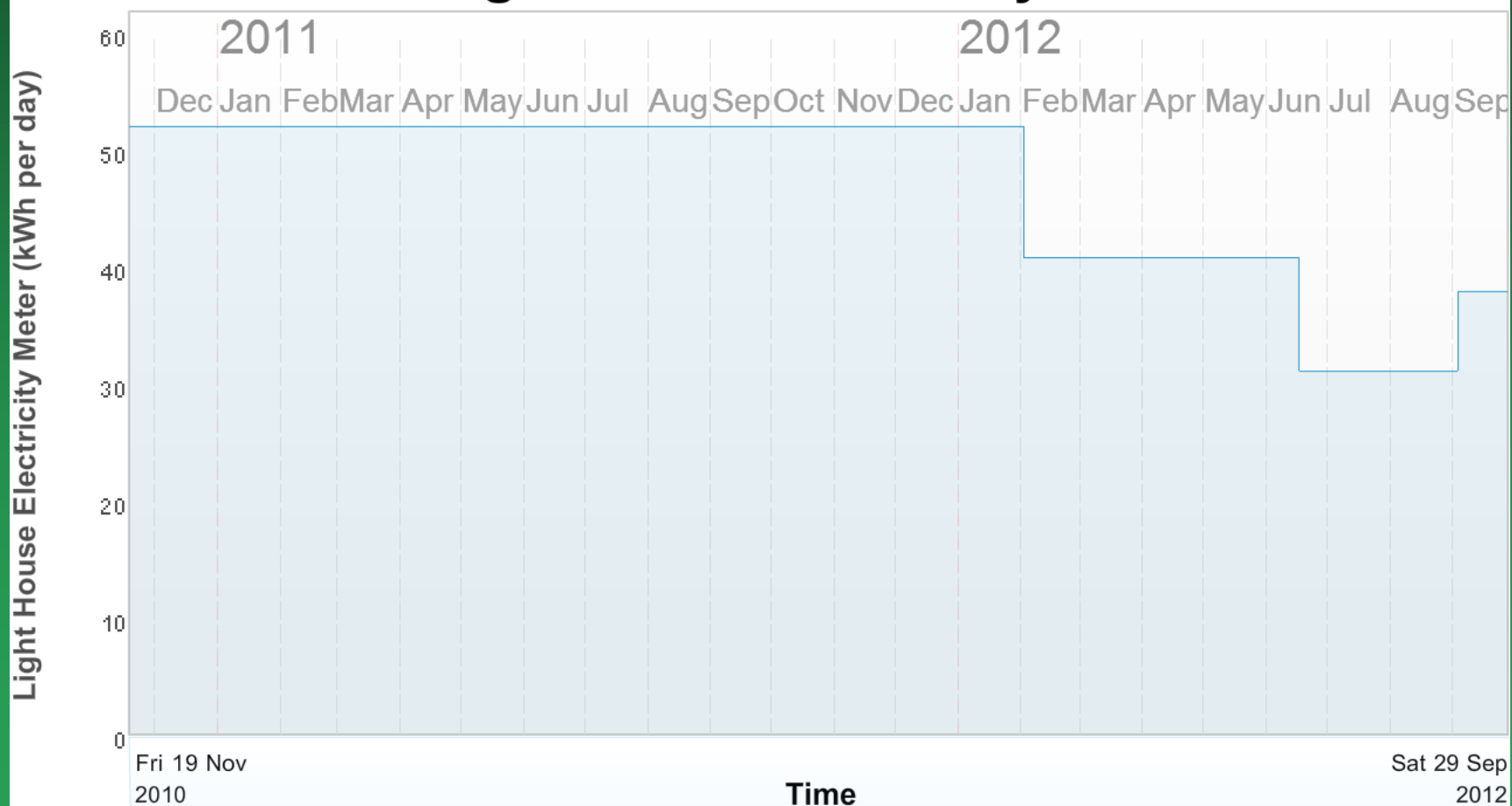


Light House

Solar panels, low energy lights and insulation
2500kWh heat a year from solar hot water
panels, 5700kWh electricity from PV panels.
About half what is used in a year. Less gas.

What we are saving

Light House Electricity Meter

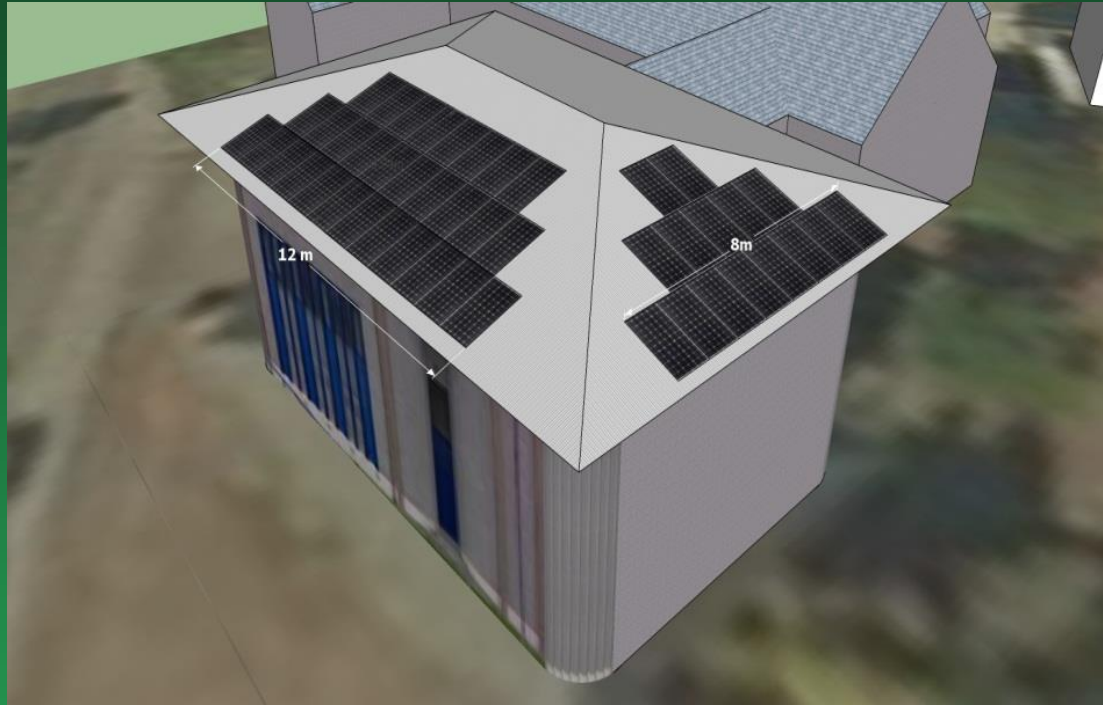


Church and Hall Energy saving

- ▣ Grant also for loft and cavity wall insulation for church area and loan for hall insulation and low energy lights
- ▣ New doors also helped save energy.
- ▣ Using about half as much gas so far.



Solar Panels for the Hall?



- ▣ 25% grant from Church of Scotland and donation
- ▣ + 8 year loan from the energy saving trust.
- ▣ Could we do it?

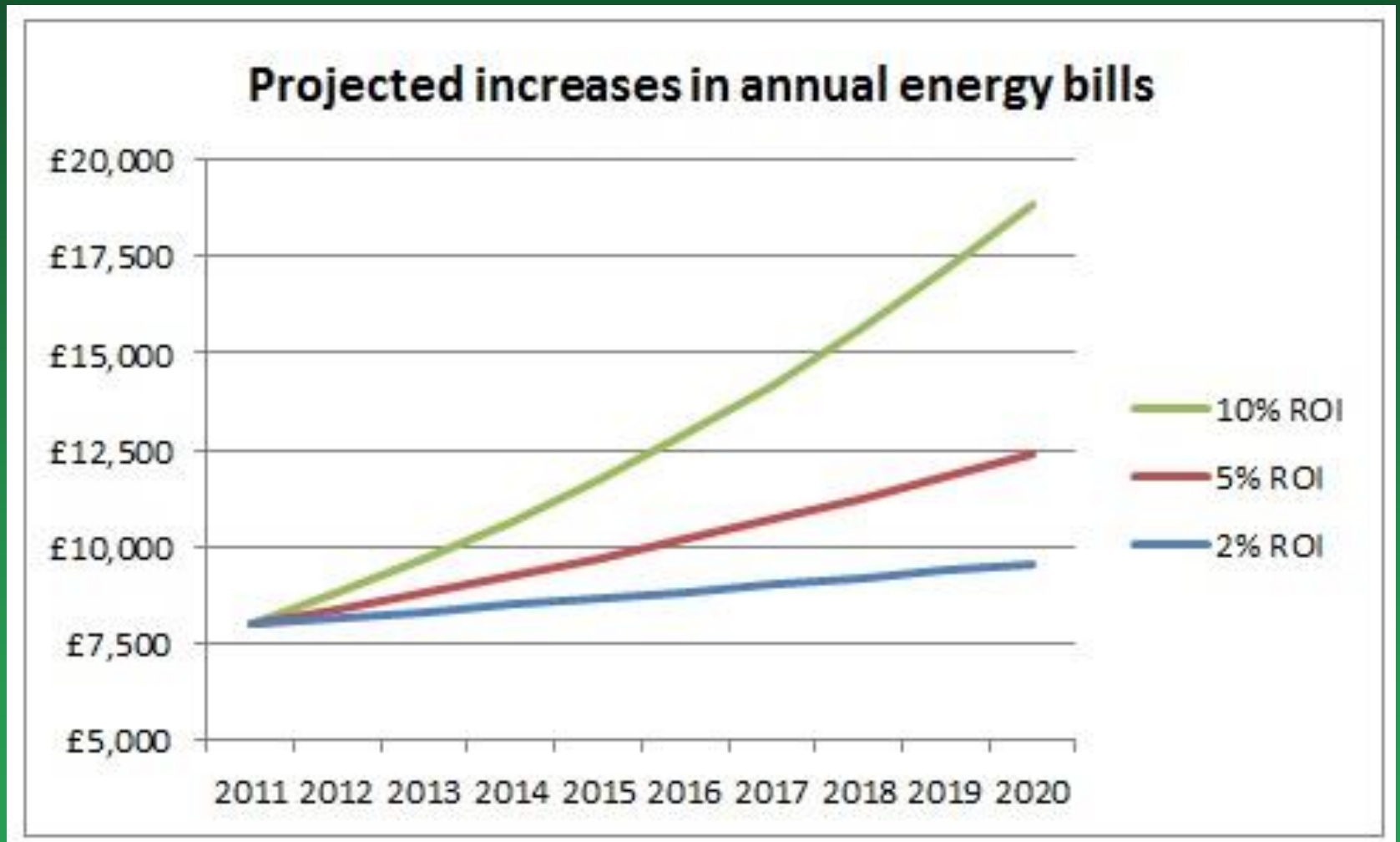
Plan becomes a reality



48 panels have produced 1285kW since end of August
Over a year hope to make as much as we use

- about 10000kWh
- carbon neutral for electricity

Why have we done it?



WHY SHOULD CHRISTIANS BE ENVIRONMENTALISTS?

We need to look after God's world

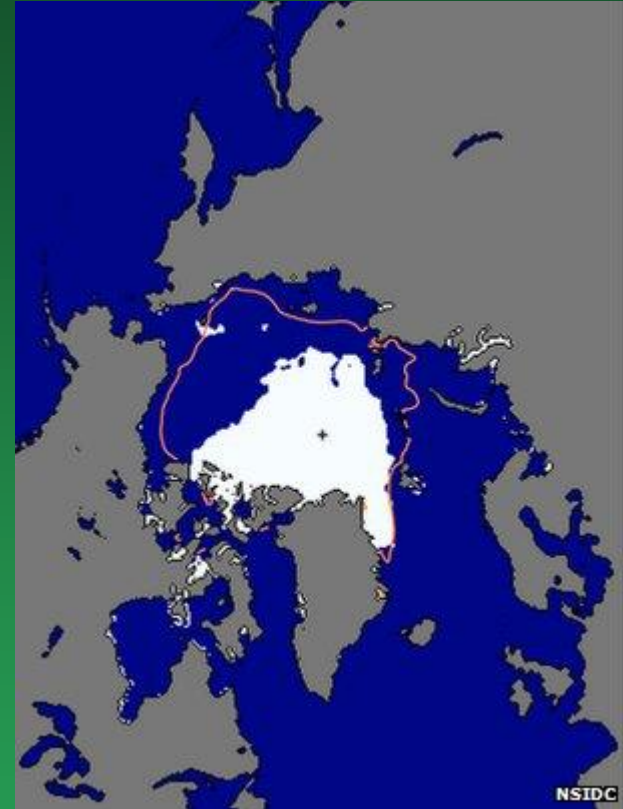
If we don't there will be dire
consequences.

If we do, life could be much more fun

Climate Change



Dramatic reduction
in glacier and arctic
ice in last 30 years.
What will things be
like when Simon is
my age?



Climate Change will hit the poor hardest

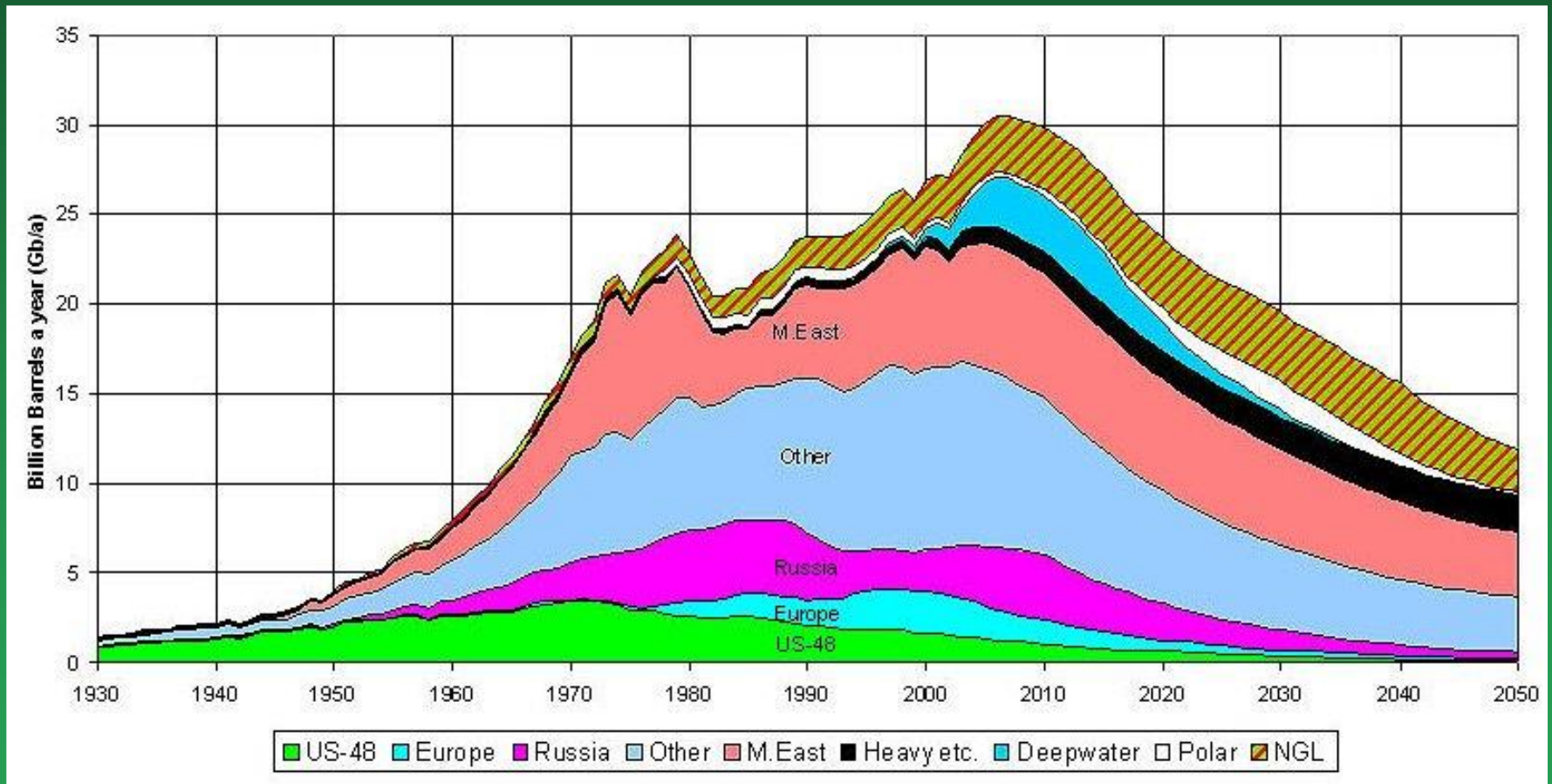
- ▣ This year devastating droughts + record temperatures
- ▣ e.g. in America
- ▣ Floods in other areas
- ▣ Food prices going up- if most of your income is spent on food and the price doubles you won't be able to afford enough to eat.
- ▣ Turning food into fuel makes this worse
- ▣ Many of the areas where we have mission contacts will be very hard hit but we could be too

Our oil dependency



What is peak oil?

All Liquid Fossil fuels



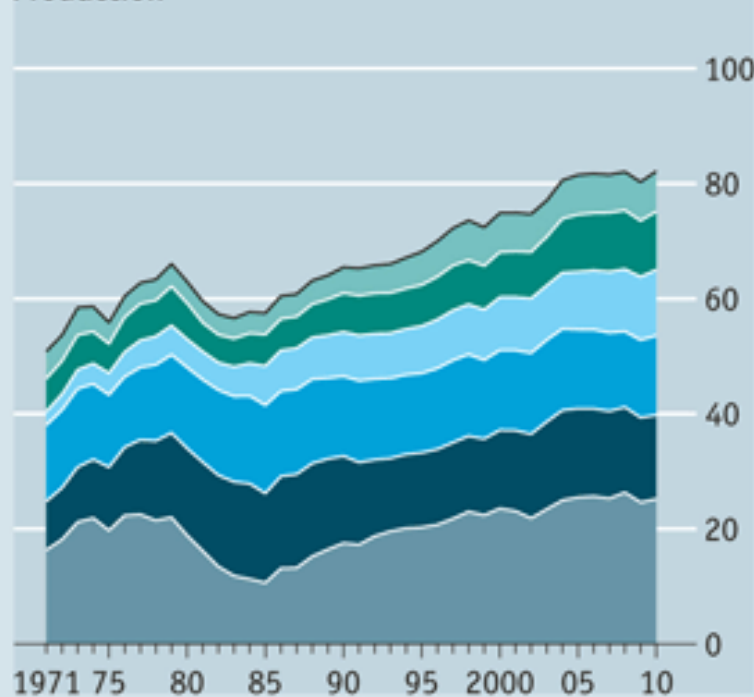
Increasing oil consumption

Oil production and consumption

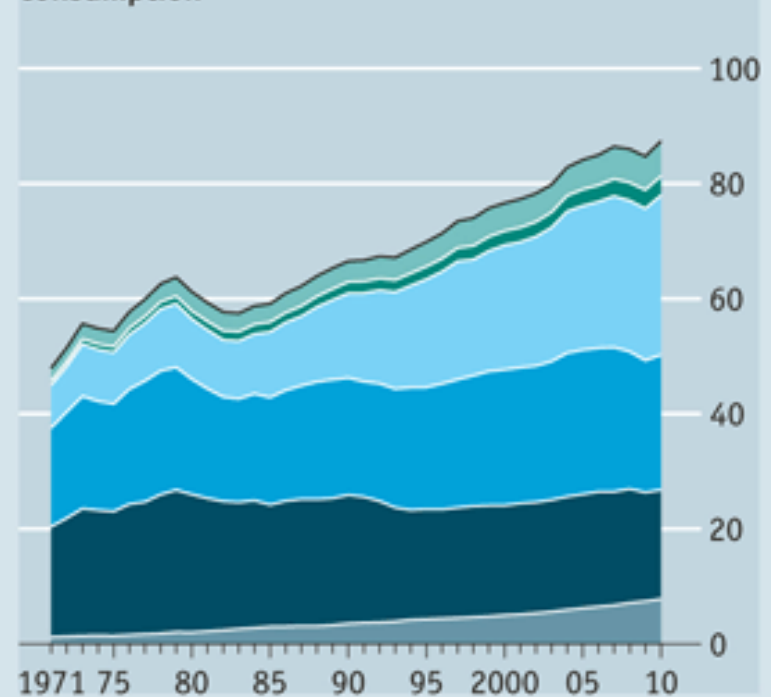
Barrels per day, m

■ Middle East ■ Europe ■ North America ■ Asia-Pacific ■ Africa ■ South and Central America

Production



Consumption



Source: BP Statistical Review

Impact of peak oil

US DoE report: "without timely mitigation, the economic, social and political costs of world oil supplies peaking will be unprecedented". We need to make the transition away from this



Over to you!

- 14 bike racks let's get them filled!
- Turn off lights and keep doors shut
- Low energy lighting advice sheets
- Case studies
- Further advice from the Energy Saving Trust.
- Let's celebrate!
- Thanks to Mike Robertson, Stuart MacQuarrie, Iain Ross, Alan Brown, Julie Douglas, Duncan, Claire and all the Church Board

