

Sustainability – Ballymena Style!

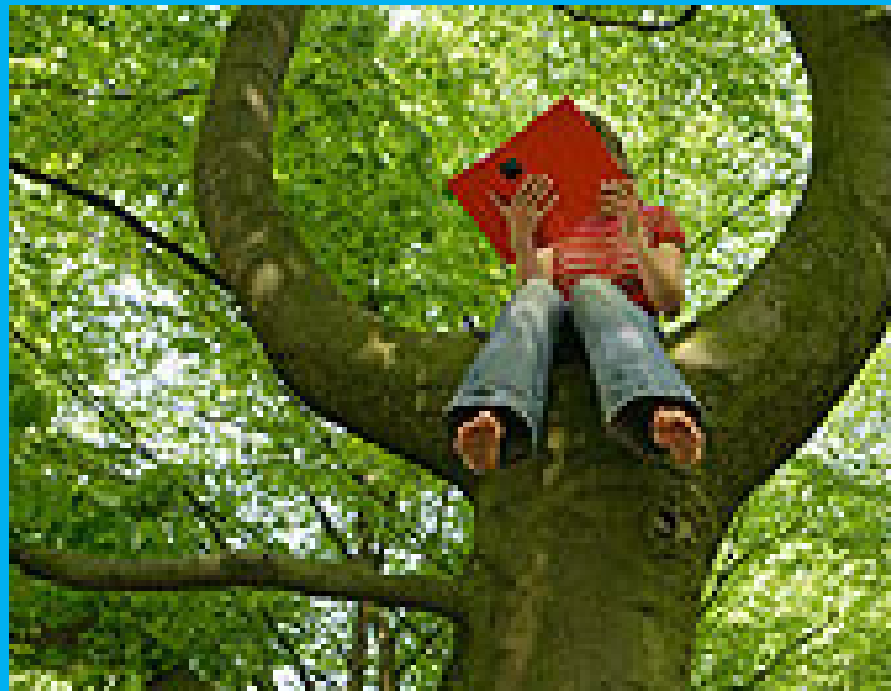


Clive Kyle, Assistant Director,
Development, Leisure and Community Services,
Ballymena Borough Council

Ask Yourself....

Can I make a difference?

Can **we** make a difference?



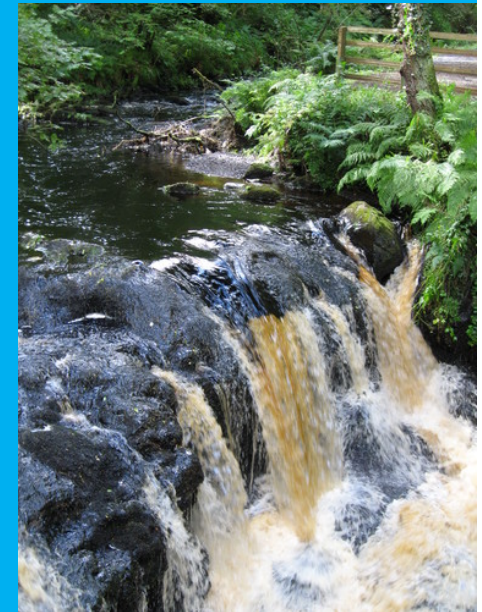
What's it all about?

QUALITY OF LIFE FOR BALLYMENA

- Environment
- Local people
- future generations

- Social, Economic & Environmental

- Focus on Environmental with particular emphasis on Renewable Energy



What can we do?



E-glazing

Green Electricity

Heat sink walling

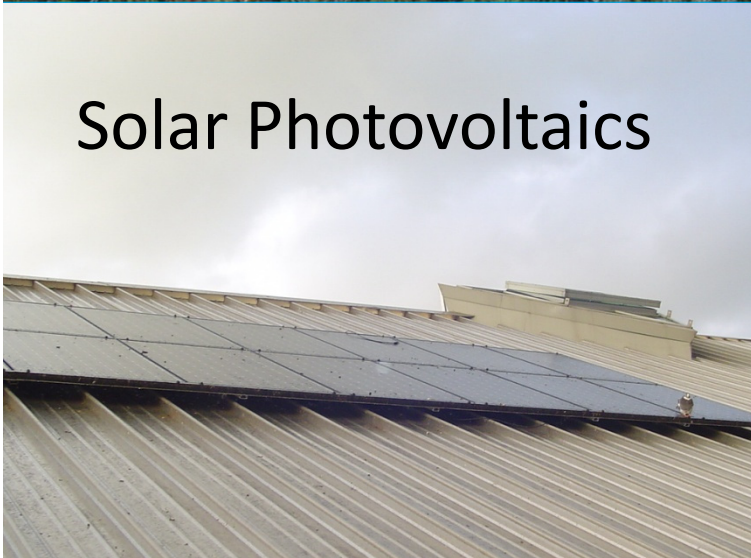
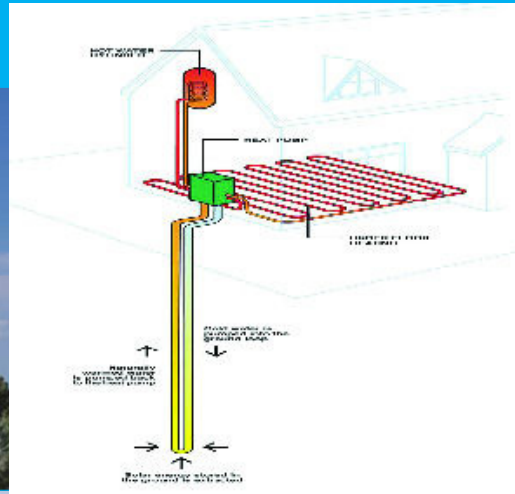
We've got the T-shirt!

Ground Source Heat Pumps

Biomass boilers

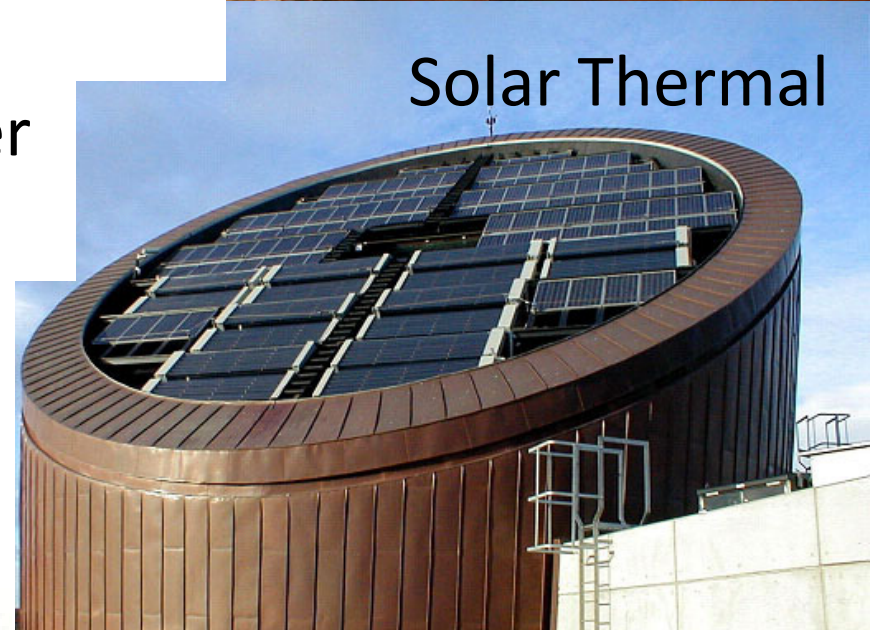
Boreholes

Wind Energy



Solar Photovoltaics

Rainwater recovery



Solar Thermal

Leisure Centre



The People's Park



The Braid

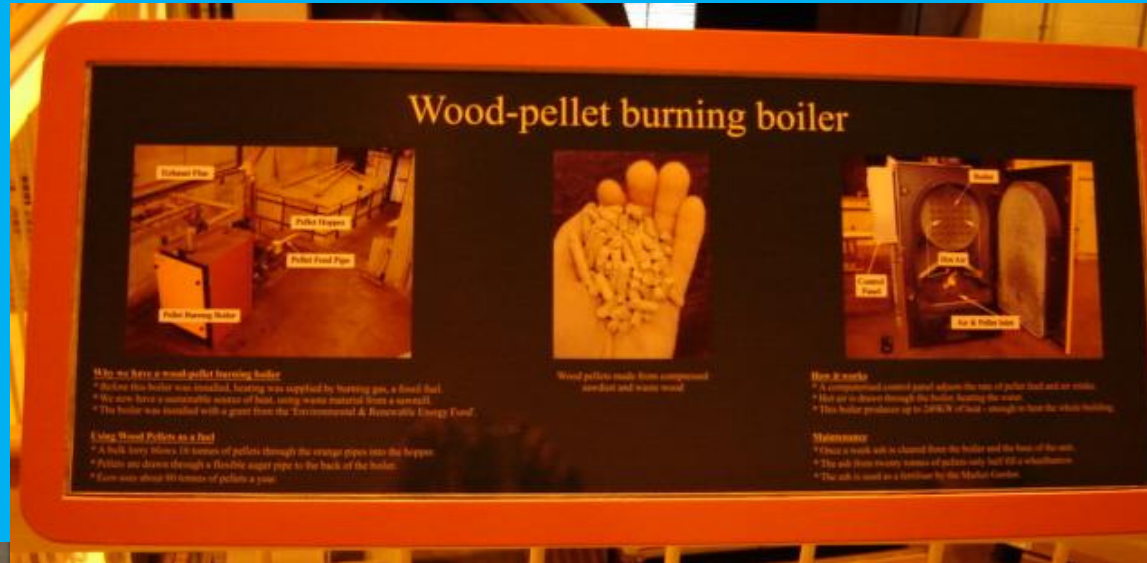


Ecos

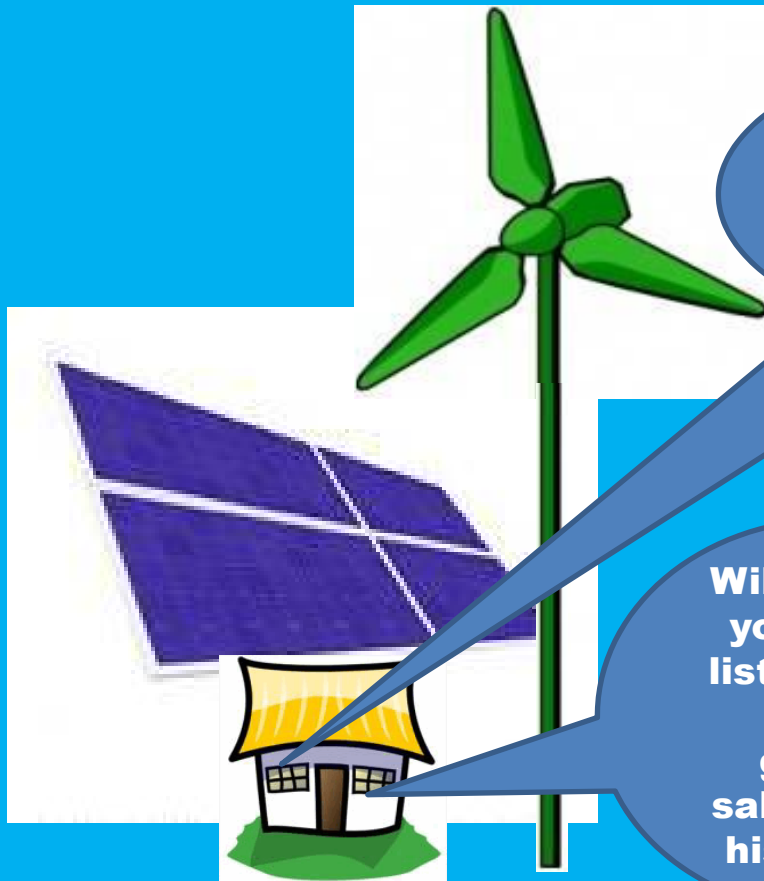
Centre



Biomass



Design for Need



Bad Choice

Ethel, Do you think the neighbours got it right?

Willie, I told you not to listen to the double glazing salesman & his friends

We should have these paid off within a year



Good Choice

We don't always get it right!

- Problems Encountered
- Lessons learned
- The way forward



Problems Encountered

- Over-design – Solar panels
- Solar heated water storage – Legionella
- Rain water recovery storage – Legionella
- Biomass boilers – Willow?
- CHP – Size for purpose – peak load
- Wind turbines – Wind speed, size, single/3 phase, design, over capacity, visual impact

Lessons Learned

- Do your homework
- Ask questions of others & learn
- Design for need - Establish need to meet capacity
- Forward thinking- Development opportunity
- Walk before you run
- Prepare to adapt
- **DON'T BE AFRAID TO FAIL**

The Way Forward

- Plans to improve and develop
- Proposals for new development



Landfill gas



THINK

I

CAN

MAKE A DIFFERENCE

BELIEVE IT

UNDERSTAND THAT

WE

CAN

MAKE A DIFFERENCE

BELIEVE IT

B all ymena says

We can all make a difference!



BALLYMENA MESSAGE

JUST GO AWAY

AND DO IT !!!

THANK YOU ALL

GOODBYE

DONT FORGET THE
MESSAGE FROM
BALLYMENA