

# Fuel Poverty Research Network 16/05/18



Bedminster Energy Group:  
local volunteers working to support  
those living in Bedminster and Southville  
to cut their energy bills by  
improving the efficiency of their homes

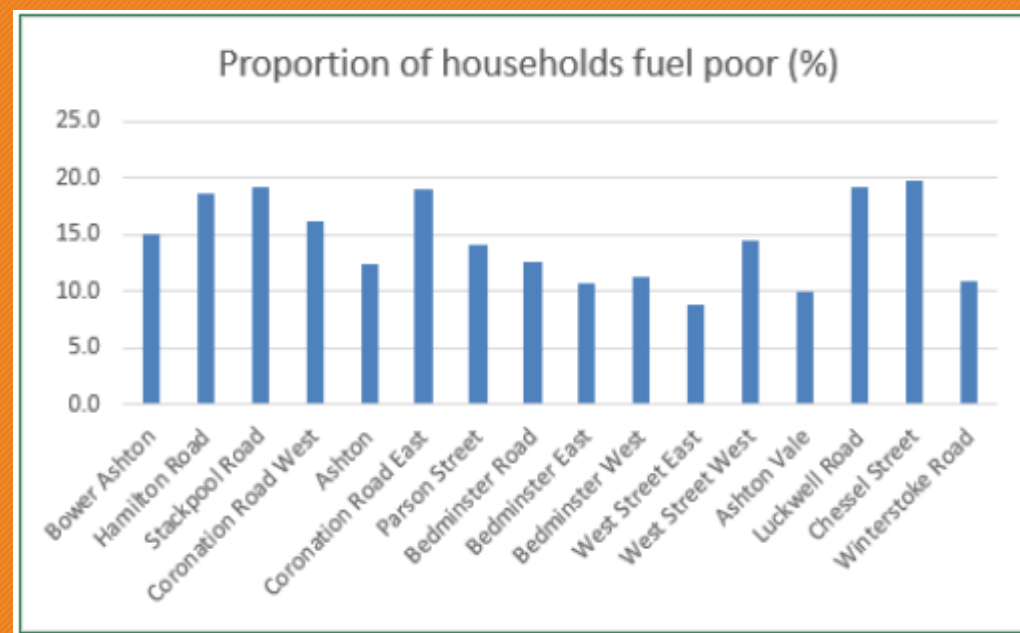
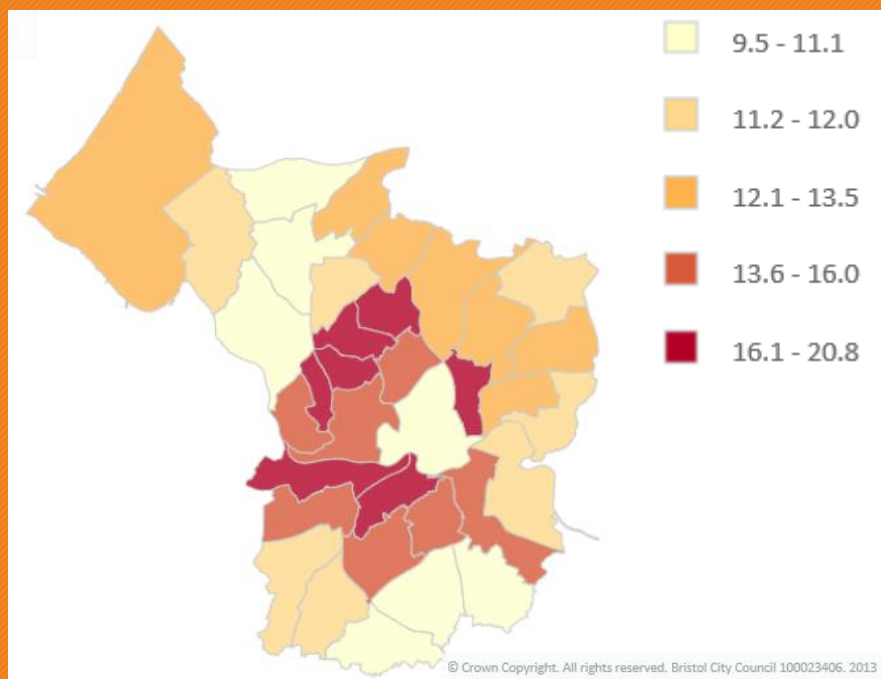
Established 2010 as a subgroup of Sustainable BS3

Local events and activities to promote household energy efficiency



# Stats

Bedminster (14.6%) and Southville (16.2%) wards are in the top 15 wards for fuel poverty in Bristol. The average in the UK is 11%



(BEIS, based on 2015 data)



# Growing our Volunteers



## LED Project

	Being Phased Out			Available Now		
	60 Watt Incandescent	40 Watt, 4'-0" Fluorescent T-12	50 Watt Halogen Bi-Pin Base	13 Watt CFL Bulb	32 Watt, 4'-0" Fluorescent T-8	9.5 Watt LED Bulb
<b>Bulb Information</b>						
Lumens	850	2,600	1,200	800	2,800	800
Watts	60	40	50	13	32	9.5
Lumens per Watt (LPW)	14	65	24	62	88	84
Life Span (hrs)	1,000	20,000	2,000	8,000	20,000	25,000
Price per Bulb	\$0.50	\$2.00	\$2.50	\$5.00	\$2.50	\$10.00
<b>Analysis</b>						
kWh of electricity used over 25,000 hours	1500	1000	1250	325	800	238
Cost of electricity to operate for 25,000 hours (at \$0.11 per kWh)	\$165	\$110	\$138	\$36	\$88	\$26
Bulbs needed for 25,000 hours of use	25.0	1.3	12.5	3.1	1.3	1.0
Cost to buy light bulbs for 25,000 hours of use	\$12.50	\$2.50	\$31.25	\$15.63	\$3.13	\$10.00
Cost to operate for 25,000 hours	<b>\$177.50</b>	<b>\$112.50</b>	<b>\$168.75</b>	<b>\$51.38</b>	<b>\$91.13</b>	<b>\$36.13</b>

## Tuesday Talks

**FREE Climate Change and Energy Use Talk!**

Bedminster Energy Group (BEG) is a group of local volunteers working to support the local community of Bedminster and Southville to cut their energy bills by improving the energy efficiency of their homes. The group meet on the first Tuesday of the month at the Tobacco Factory's main bar, 7.30pm - 9.30pm and welcome new attendees!

A series of films and talks given by researcher Nikki Jones takes place in Tobacco Factory Snug, Raleigh Rd, Southville on the dates below 7.30pm - 9.30pm

- 17th January: Beginners Guide To Oil And Gas
- 24th January: Global Energy Trends
- 31st January: Film: Chasing Ice
- 21st February: Is Nuclear The Answer
- 28th February: Land Use And Climate Change
- 14th March: Film: Racing Extinction
- 21st March: The Way Forward
- 28th March: Film: Merchants of Doubt

For further details contact Katherine Tel: 07866 918683

719 attendances,  
151 on mailing  
list and 20  
volunteers.



# LED Project

## BEG Introductory Session

Lightbulb inventory

Daily meter readings

## Participant Homework

Lightbulb inventory

Daily meter readings

## BEG Create lightbulb bundles

Select appropriate bulbs

Deliver lightbulbs

## Participant Homework

Fit Lightbulbs

Daily meter readings

Note pros and cons

## BEG Analysis of Data

BEG highlights reductions and themes

Writes a report about participant experience

## Thank you session

Findings

Invite to feature in an article



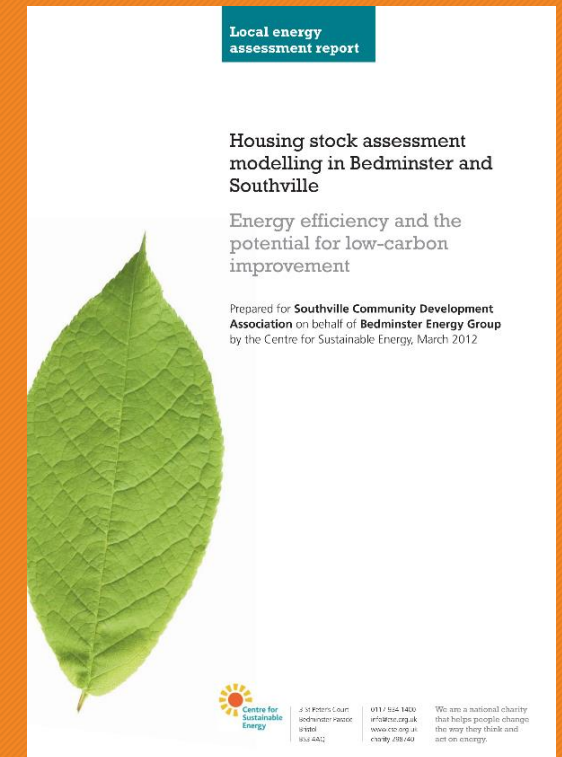
# Lessons Learnt

- The importance of networking
- Keep on top of your outcomes reporting. Design in from the outset
- Show off about and celebrate your achievements!
- Accept that things won't happen quickly!
- No blame attitude
- Risks of burn out...for ambitious projects, pay someone!
- Have fun! (Outings, Cake Breaks, Post-talk drinks, Socials)
- Consider the benefits to the volunteer of volunteering



# Next Steps

- Progress the LED project
- Continue the Tuesday Talks
- Progress business planning
- Become incorporated
- £6000 awarded from Bristol Community Energy
- Engagement project







Get Involved!

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