



Leith Community Energy Project Update



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Project Aims



Achieve carbon savings through:

1. Install highly visible solar energy projects to engage the community
2. Promote free and low cost insulation
3. Developing models for financing locally owned community renewables

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Project Challenges



- Delayed start – commenced late July 2011
- Launched insulation offer mid September 2011
- Limited interest from the public and community buildings in solar projects
- Department Energy and Climate Change cuts subsidies for renewables October 2011
- Project refocused on energy efficiency November 2011

Save around
£110* on your
heating bills each
year with cavity
wall insulation

Save around
£145* on your
heating bills each
year with loft
insulation

Get £50 - £75 off your council tax to help with the cost of insulating your home.

Measure	Discounted Price [†]	Council Tax Rebate [†]	Actual Cost (after rebate)
Cavity wall insulation only	£145	£50	£95
Loft insulation or loft top up insulation only	£145 or £225	£50	£95 or £175
Cavity wall insulation and loft insulation or loft top up insulation	£265 or £345	£75	£190 or £270

*Based on a typical 3 bedroom semi-detached gas heated house with no prior insulation.
[†] Prices quoted are set prices, including VAT at 5%. The loft insulation price is dependent on whether there is more or less than 60mm already installed. If there are access issues or additional ventilation is required then additional costs may be incurred and will be explained as part of the no obligation, technical survey. The prices relate solely to the City of Edinburgh Council Tax Energy Efficiency Discount Scheme provided by the Mark Group Ltd and are valid until 31 December 2011. The rebate is a one-off discount applied to your council tax bill after your insulation has been installed and paid for. The Energy Saving Scotland advice centre will explore all available offers and make you aware of all your options.

To book a FREE survey for the City of Edinburgh Council Tax Energy Efficiency Discount Scheme call your local Energy Saving Scotland advice centre free on **0800 512 012**



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Solar subsidy changes



- Feed in tariff cut from 43p to 21p
- Penalties for multiple buildings (e.g. community schemes) only funded at 80% - 16.8p
- Larger schemes 4-10KW only get 16.5p
- 6 week rush to finish schemes and get the old tariff before December 23
- Projects are now difficult to justify, if loan finance or community share schemes are used to meet the up front costs

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Case Study: South Leith Parish Halls

(EC)²

Edinburgh Community Energy Co-operative



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Case Study: South Leith Parish Halls



Array
goes here

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10KW Solar Array

(EC)²

Edinburgh Community Energy Co-operative



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Case Study: South Leith Parish Halls



Baseline details		
Available roof area:	160m ²	
Orientation & roof pitch:	South; 30° pitch	
PV array size:	10kW	
Installation cost:	£30,000	<i>Assume £3,000/kW; additional fees not included</i>
Annual generation:	7,870 kWh	<i>Assume 787kWh/kWp</i>
Electricity used on site:	75%	
Maintenance costs:	£50/yr inspection; £1,000/10 years inverter replacement	
System degradation:	1%/year	
FIT rate:	16.8p/kWh	<i>Subject to consultation</i>
Export tariff:	3.1p/kWh	
Electricity cost:	13.52p/kWh	<i>DECC, September 2011</i>

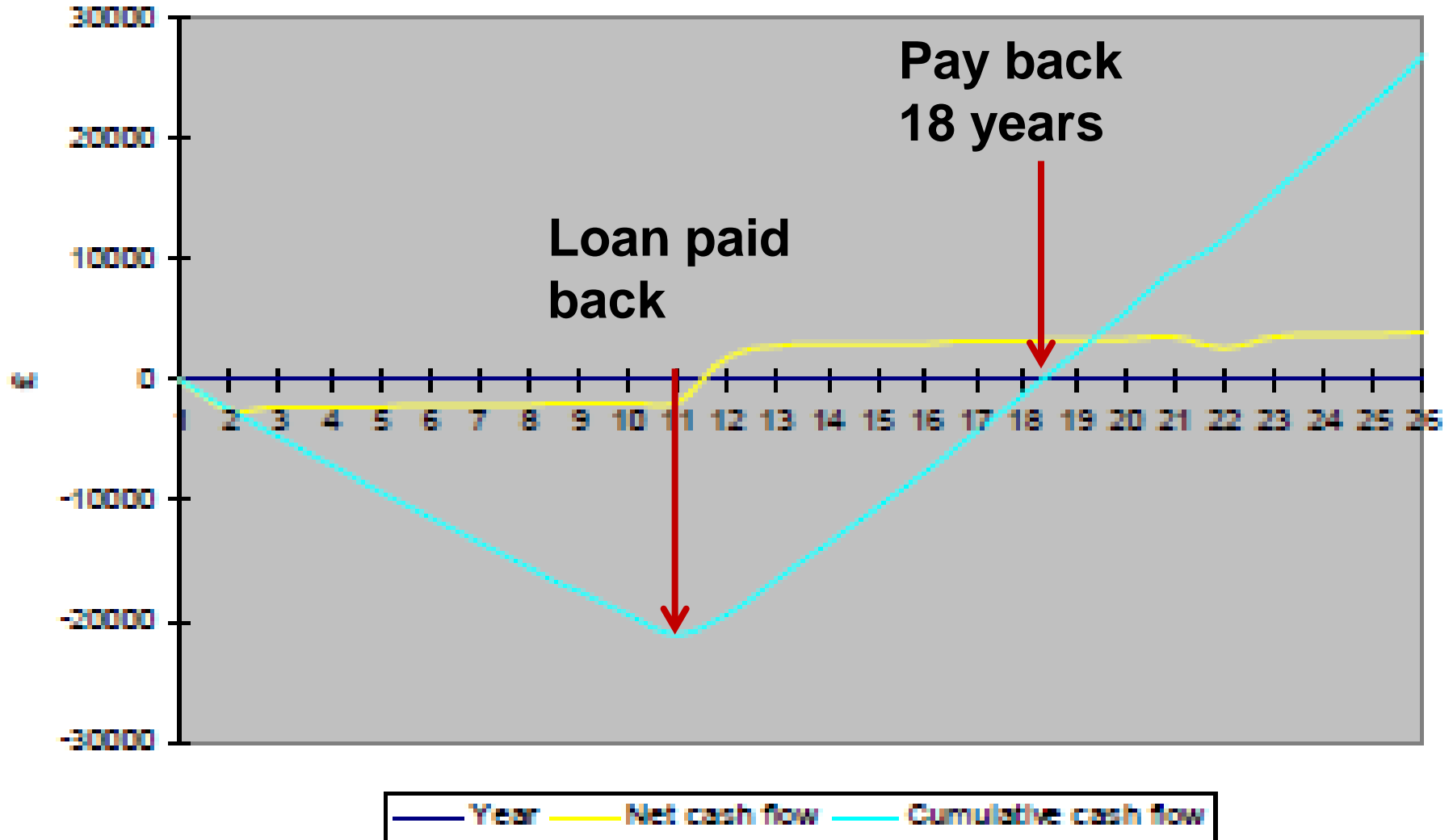
Annual Income £2181 Year 1

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South Leith Parish Halls. Loan Scenario



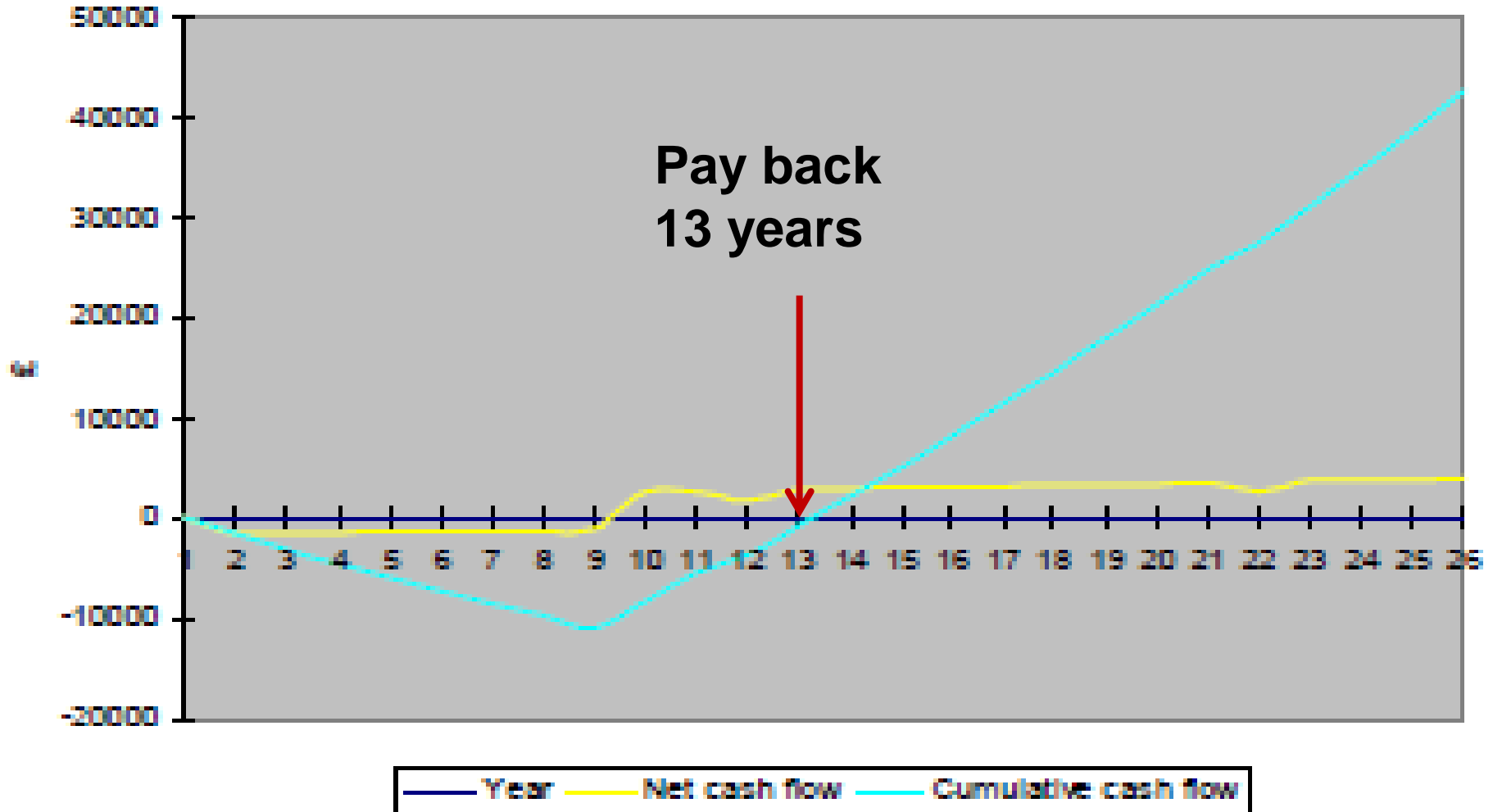
Edinburgh Community Energy Co-operative



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South Leith Parish Halls

Interest free scenario

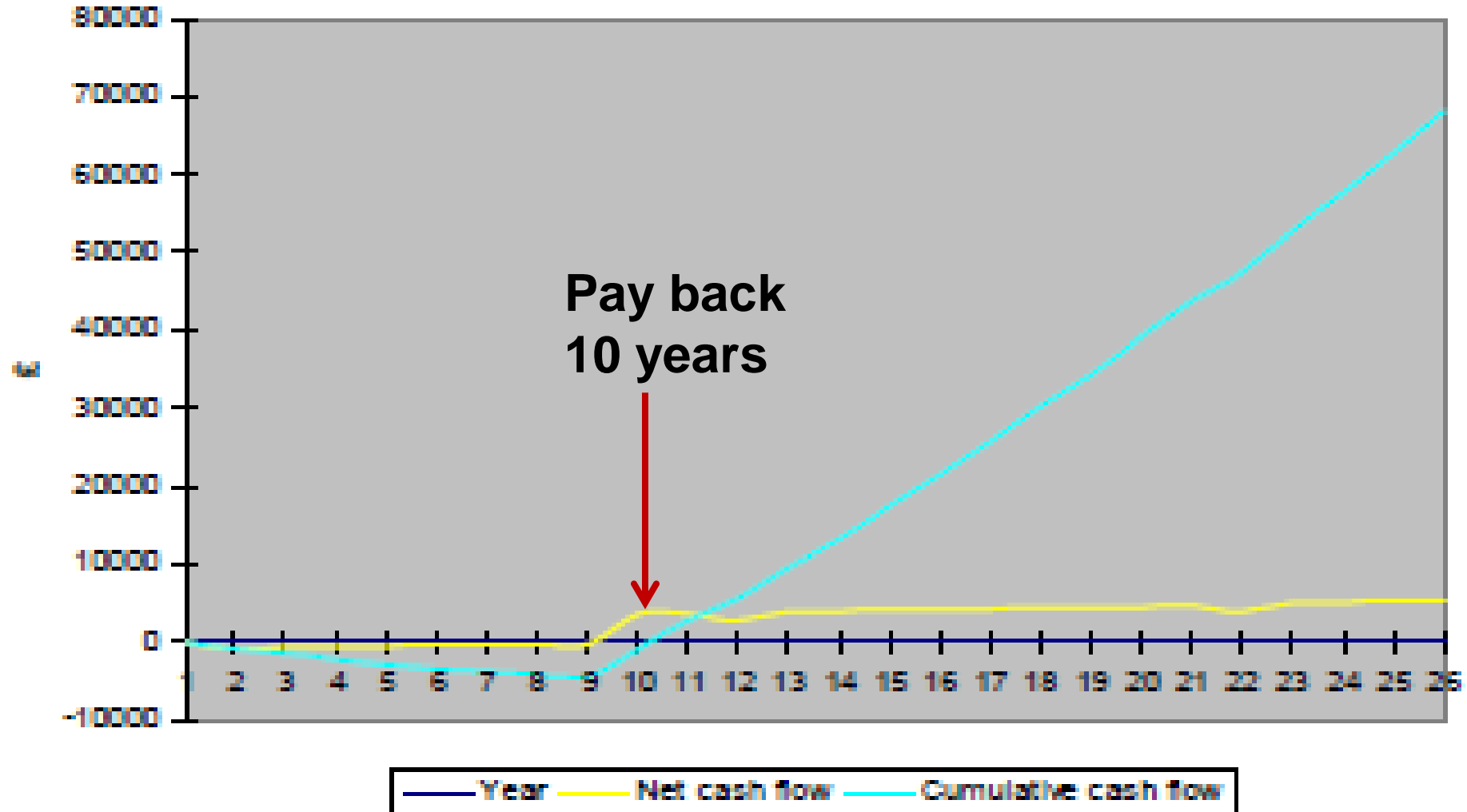


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South Leith Parish Halls Best Hope Scenario (26p FIT)



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Project Next steps



- Get accurate costs for installation
- Check planning permission and building warrants situation and timescales
- Wait to see what the Government does with FITs rates to finalise the business case
- The Church decides on whether to go ahead
- Meanwhile look at lower cost energy efficiency measures and training for building users
- Find another four community buildings before March

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Challenges



- Uncertainty over future FITs rates
- Requirements to upgrade the energy efficiency of the building, which could be prohibitive
- Costs and risks associated with planning
- Tight timescales
- Increase the uptake of the insulation scheme
- Overcoming the fact that in the initial years income will be less than loan repayments

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Further Information



Leith Community Energy Project Stuart Hay
0131 538 7945

Energy Saving Scotland Advice Centre
0800 512 012

Home Insulation

Advice for Small Businesses

Eco Driving