



Solar as the solution for EESSH

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WHO WE ARE



- Scotland's largest roofing and solar contractor
- Proven track record built upon 25 years leading best practice in roofing
- Cover one in five of Scotland's new homes
- 20% of Scottish commercial rooftop PV
- Combine products and services to provide a fully integrated 'solar roof' package

EESSH - AN INTRODUCTION



- EESSH was launched in March 2014
- It was developed to improve the energy efficiency of Scotland's social housing stock
- EESSH sets a single minimum Energy Efficiency (EE) rating for Social Landlords to achieve
- The minimum rating varies depending on the dwelling type and the fuel type used to heat it
- Must be achieved by 31st December 2020

EESSH - AN INTRODUCTION



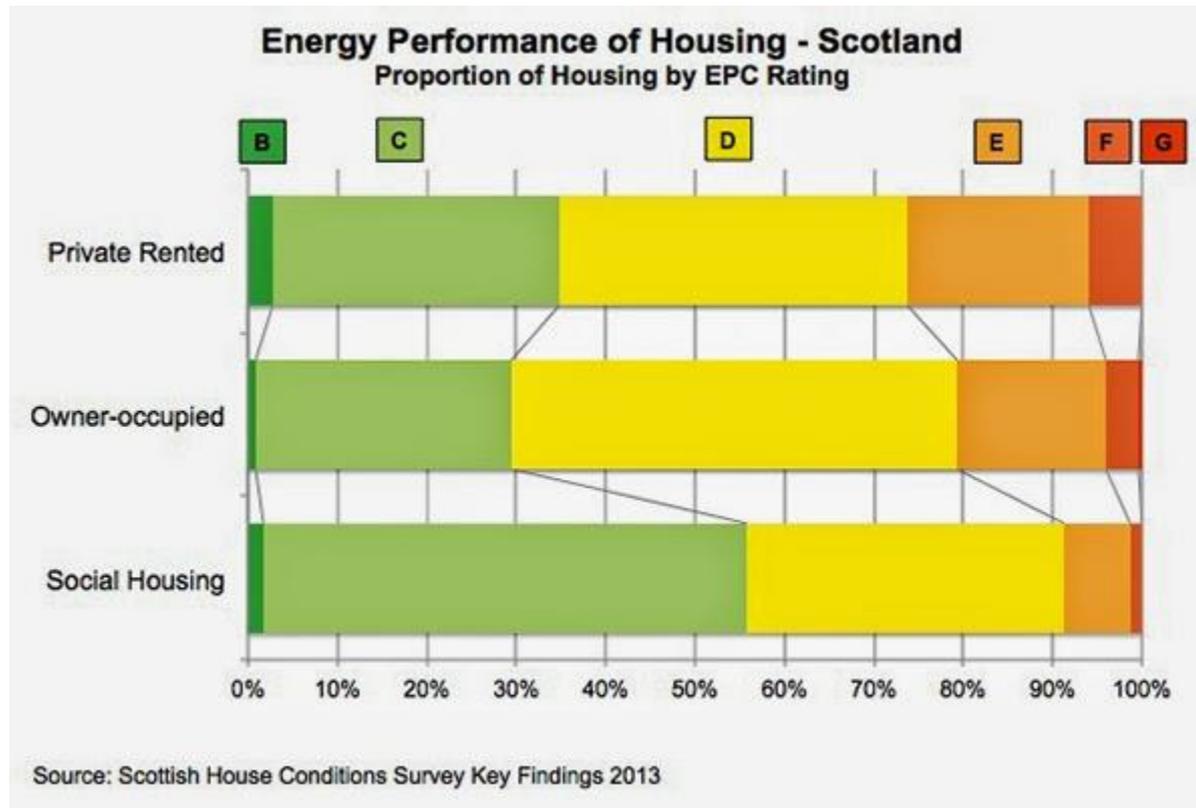
- The standard does not prescribe a particular measure
- A set of 'Reasonable Measures' are highlighted as they provide a good balance of benefits and cost
- EESSH will mean that no social property will be lower than a 'C' or 'D' energy efficiency rating
- Resulting in warmer homes, lower fuel consumption, lower fuel bills and less tenants in fuel poverty
- Projected benefit of around £127million p/a to social tenants

EESSH - AN INTRODUCTION



- Social housing is already significantly more energy efficient than private rented or owner occupied homes
- On basis of SHQS compliance 64% of homes already meet EESSH as at 1st April 2015
- This leaves 218,000 homes
- The Scottish Government have estimated the cost of achieving EESSH to be £900million

ENERGY PERFORMANCE OF HOUSING IN SCOTLAND



MINIMUM EE RATINGS



House Type	Heating Type – Energy Efficiency Target Rating	
	Gas	Electric
Flat	69	65
Four-in-a-block	65	65
Houses (not detached)	69	65
Detached Houses	60	60

SPREAD BY EPC BAND

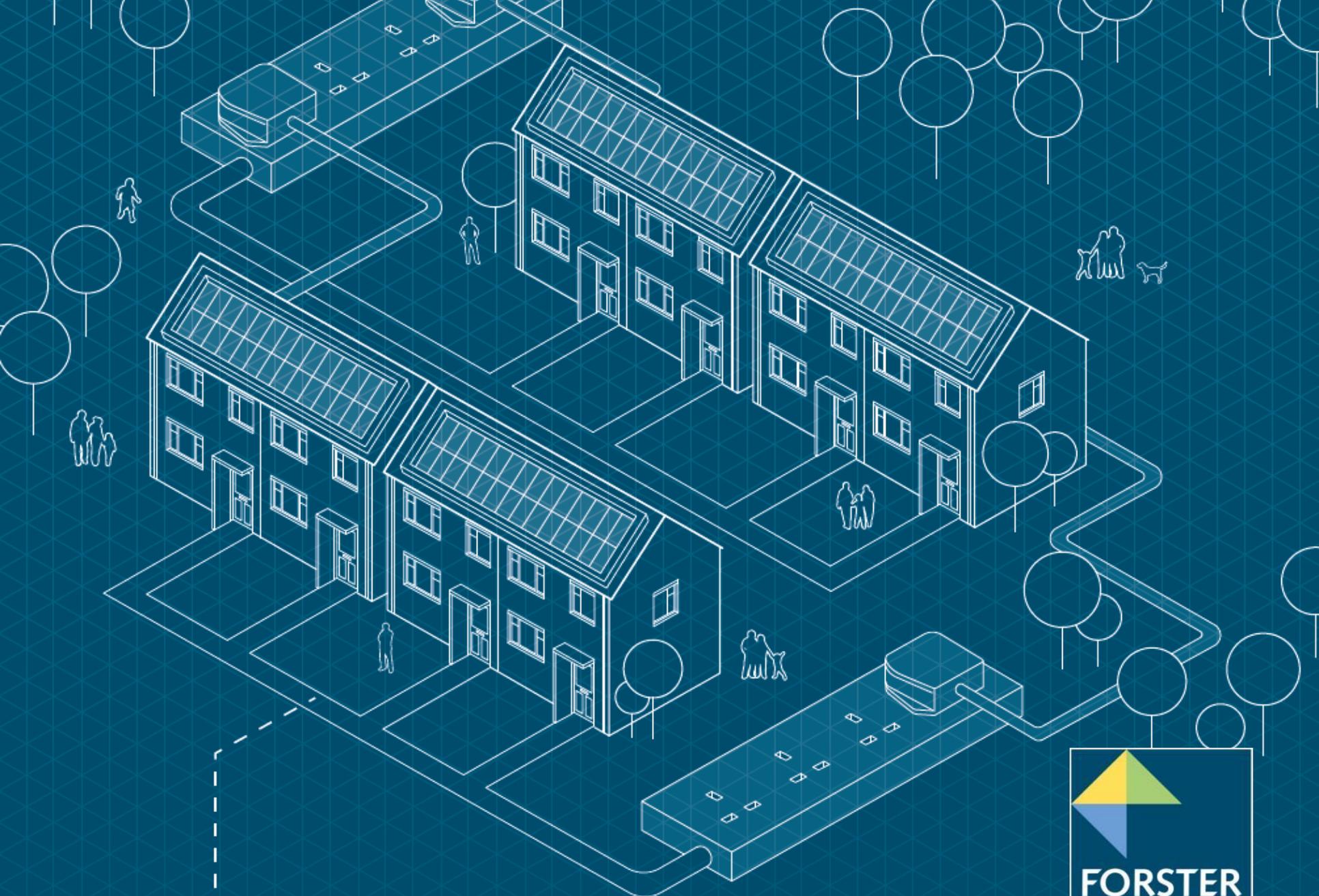


EPC Band	EPC Points	Social Housing Units in Scotland	Proportion of housing units
A	92-100	0	0%
B	81-91	10,000	1.6%
C	69-80	329,000	54.1%
D	55-68	216,000	35.5%
E	39-54	45,000	7.4%
F	21-38	8,000	1.3%
G	1-20	0	0%
	Total	608,000	100%

IMPACT OF PV ON EE RATING



Improvement	Roof area needed	Increase in energy rating
Solar PV – 1kWp	7m ²	+5
Solar PV – 2kWp	14m ²	+10
Solar PV – 3kWp	21m ²	+15
Solar PV - 4kWp	28m ²	+20





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