

# Skills requirements for insulation

Sustainable Energy Supply Chain

8 March 2022



# Presenters

Pilar Rodriguez	Programme Manager, Sustainable Energy Supply Chain, <b>Energy Saving Trust</b>	Presenter, Q&A Panel
John Renwick	Sector Manager, Construction, <b>ESP</b>	Presenter, Q&A Panel
David McLaren	Depute Head of Faculty, <b>South Lanarkshire College</b>	Presenter, Q&A Panel
James Jamieson	Construction Curriculum Manager, <b>South Lanarkshire College</b>	Presenter, Q&A Panel
Tracey Cheyne	Alternative Funding, <b>South Lanarkshire College</b>	Presenter, Q&A Panel
Lewis Anderson	Lecturer, <b>South Lanarkshire College</b>	Presenter, Q&A Panel
John McGinley	Construction Curriculum Manager, <b>South Lanarkshire College</b>	Q&A Panel

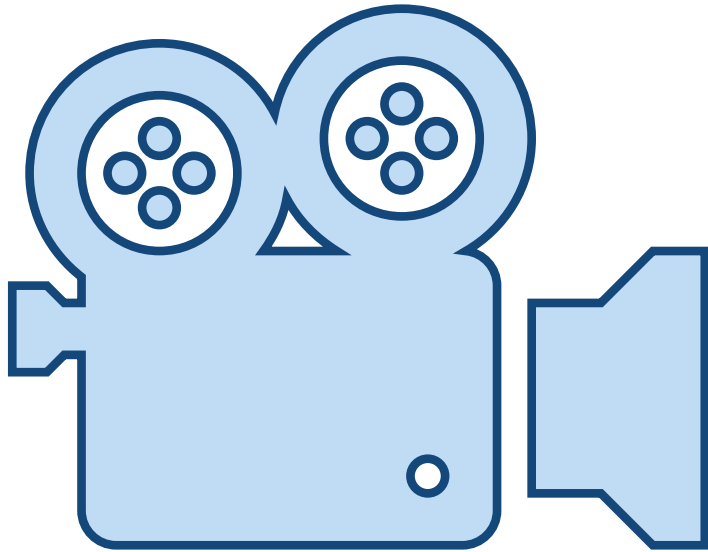
# Questions

Type questions into the **Questions** pane of the control panel

You can send in your questions at any time during the presentation. These will be collected and addressed during the Q&A session at the end of the presentations.



# Recording



This webinar is being recorded but your name and attendance is hidden from the recording.

The recording will be uploaded and will be made available to watch again.

Details of how to do this will be shared with you via email, after the webinar has ended.

# Have Your Say



There will be a short feedback survey after the webinar has finished.

Please complete this if you can so we can continue to improve the webinars we offer.

# Energy efficiency skills requirements for Scotland

Pilar Rodriguez  
Sustainable Energy Supply Chain Manager

8 March 2022

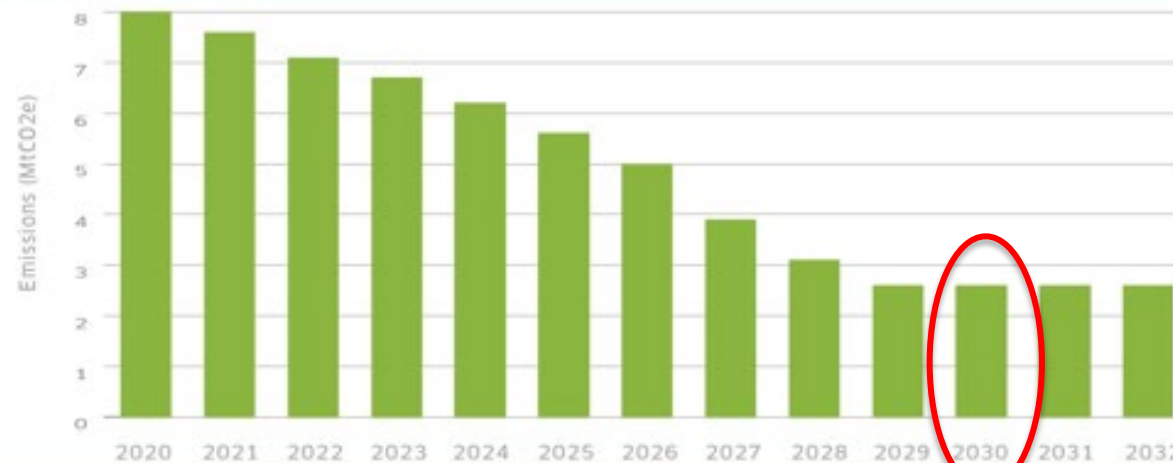




# Heat in Building Strategy

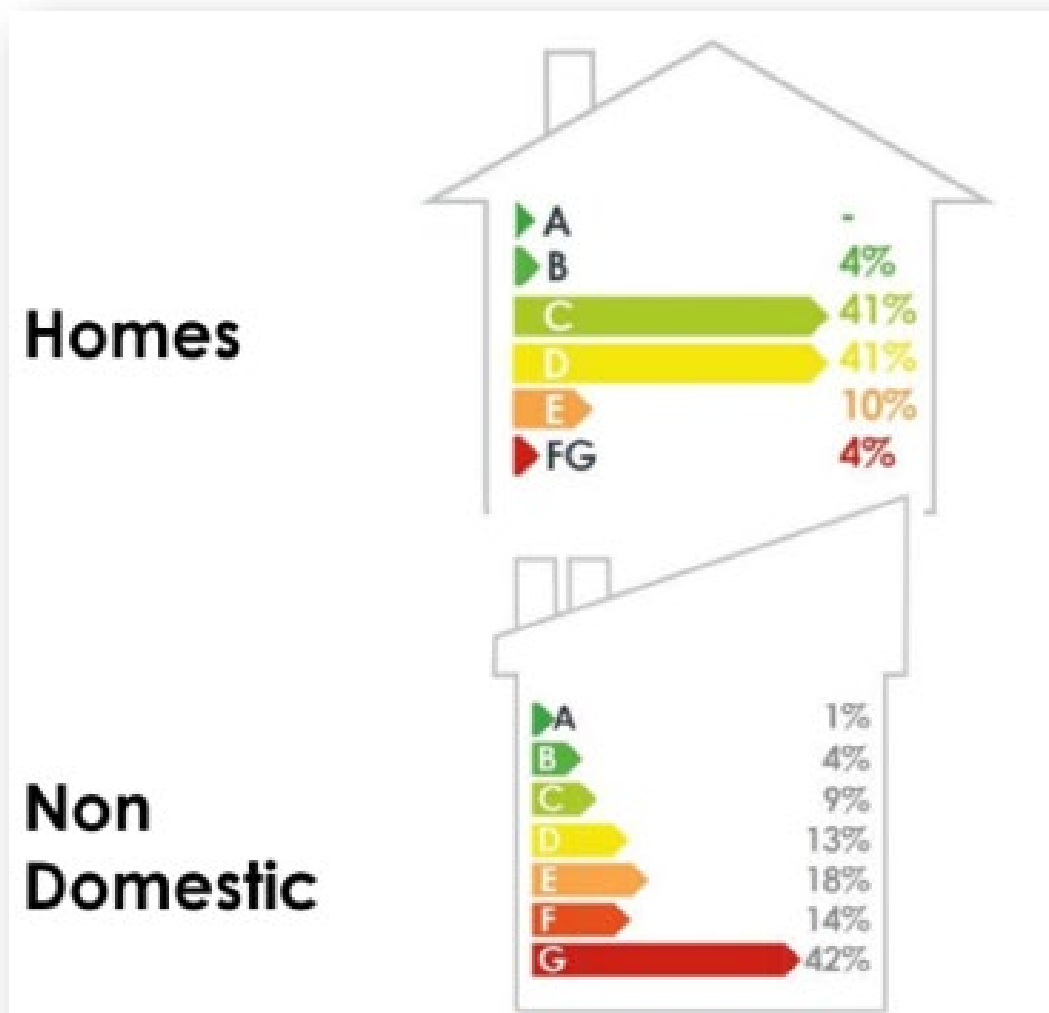
## Climate Change Emission Reduction Targets (Scotland) Act 2019

- Legally binding target to achieve net zero emissions by 2045
- Interim target 75% reduction by 2030
- 90% by 2040



Source: Climate Change (Emissions Reduction Targets) (Scotland) Act 2019

# Where are we now?



- 55% of homes are below Band C
- 87% of non domestic buildings are below Band C



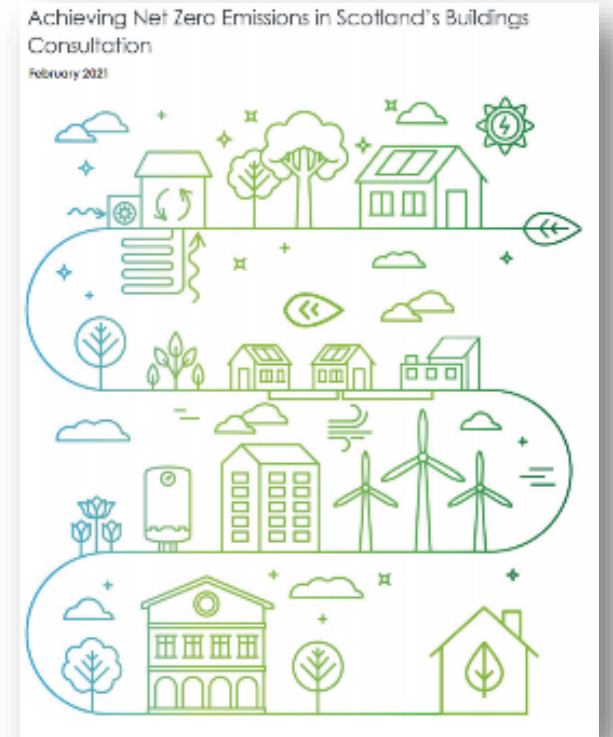
# Where do we need to be?

## By 2045:

- All homes and buildings in Scotland must have significantly **reduced their energy use**

## By 2033:

- Significant progress toward **all homes reaching EPC C**



# The challenge and the economic opportunity

- additional **22,500 FTE workers** will be needed in Scotland by **2028**, to deliver improvements to existing buildings that will **reduce energy demand**.
- an **increase of around 9%** of the current size of the workforce.



*CITB report-[Building skills for net zero in Scotland](#)*

# Scottish skills requirements for energy efficiency

## Career path:

- SVQ in Insulation and Building Treatments (Construction) at SCQF level 5 OR
- SQA Level 2 NVQ Diploma in Insulation and Building Treatments (Construction cold/warm roof insulation) OR
- SQA Level 2 NVQ Diploma in Insulation and Building Treatments (Construction) OR
- External Wall Insulation – Boarder/Finisher

## AND (only if working on pre-1919 buildings)

- SQA Level 3 Award in Energy Efficiency Measures for Older and Traditional Buildings

Thanks for listening





# Skills Webinar

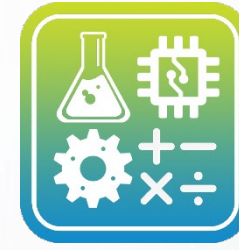
## Insulation

John Renwick  
Sector Manager - Construction  
ESP





Construction



STEM



Wind & Marine



Transport



Engineering



Emerging Technologies

*Scotland's colleges – delivering skills for the energy, engineering and construction sectors*

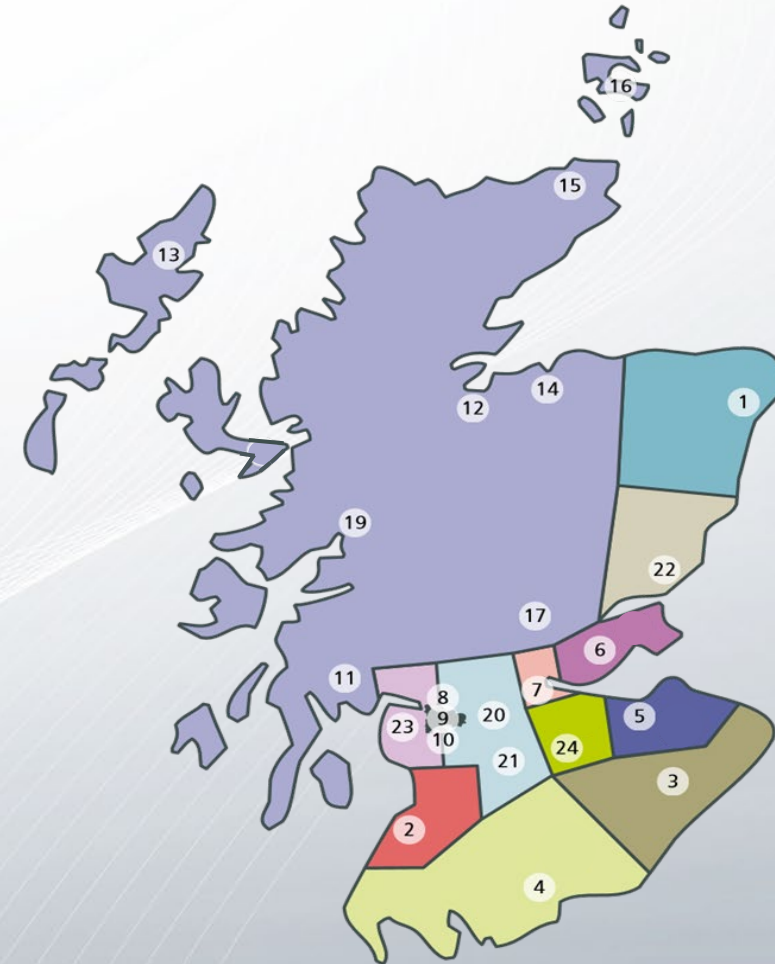




# Scotland's Regional Colleges



Aberdeen & Aberdeenshire	1- NESCol (Inc. Fraserburgh)
Ayrshire	2- Ayrshire College
Borders	3- Borders College
Dumfries & Galloway	4- Dumfries & Galloway College
Edinburgh & Lothians	5- Edinburgh College
Fife	6- Fife College
Forth Valley	7- Forth Valley College
Glasgow	8- City Of Glasgow College
	9- Glasgow Clyde College
	10- Glasgow Kelvin College
Highlands & Islands	11- Argyll College UHI
	12- Inverness College UHI
	13- Lewis Castle UHI
	14- Moray College UHI
	15- North Highland College UHI
	16- Orkney College UHI
	17- Perth College UHI
	18- Shetland College UHI
	19- West Highland College UHI
Lanarkshire	20- New College Lanarkshire
	21- South Lanarkshire College
Tayside	22- Dundee & Angus College
West	23- West College Scotland
West Lothian	24- West Lothian College



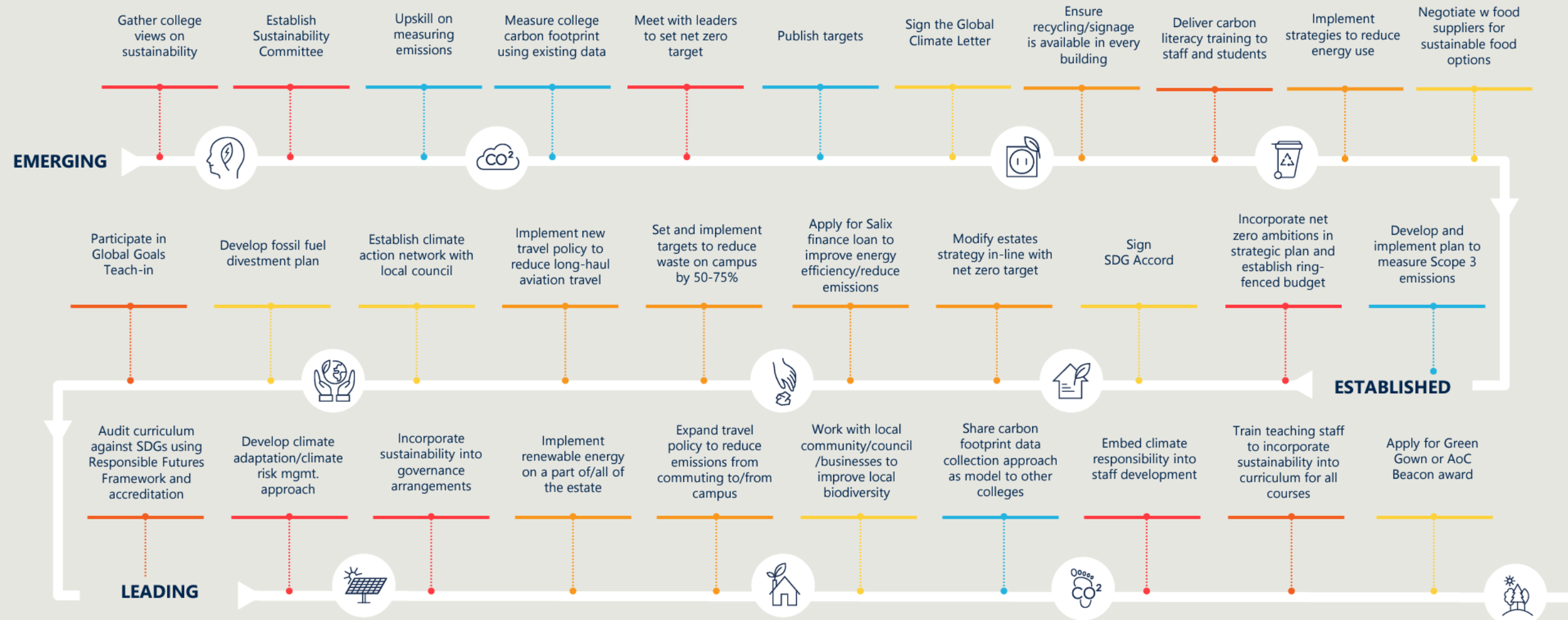
*Scotland's colleges – delivering skills for the energy, engineering and construction sectors*

# SCOTTISH COLLEGES' STATEMENT OF COMMITMENT ON THE CLIMATE EMERGENCY

- Scotland's colleges aiming to achieve net-zero by 2040 or earlier.
- Address the UN's Sustainable Development Goals
- Share best practice
- Deploy our expertise and experience to combat climate change
- Contribute to public debate on climate change and use the power of our example to encourage others.
- Embed environmental sustainability
- Work with Scottish industry, employers, public sector bodies
- Encourage, colleges to adopt UK HE/FE Climate Commission's 'Climate Action Roadmap
- College to publish a 5 year action plan to address the climate emergency
- Educate staff, students, employers and communities on environment/climate.

*Scotland's colleges – delivering skills for the energy, engineering and construction sectors*

# FE CLIMATE ACTION ROADMAP



- Leadership and Governance
- Teaching, Learning, and research
- Estates and Operations
- Partnerships and engagement
- Data collection

[\*\*CLICK HERE TO ACCESS\*\*](#)





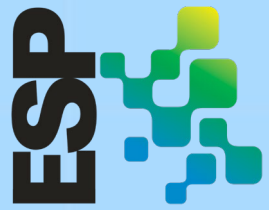
College Map  
50 views  
Last edit was 11 minutes ago

Add layer Share Preview

EETN Training Network

Individual styles

- Ayrshire College
- Borders College
- Fife College
- West Lothian College
- Glasgow Clyde College
- Perth College UHI
- Dumfries and Galloway Colle...
- North East Scotland College
- Dundee & Angus College
- Edinburgh College (Granton ...
- Forth Valley College
- Lewis Castle College UHI
- Moray College UHI
- South Lanarkshire College
- West College Scotland - Pais...
- Glasgow Kelvin College
- City of Glasgow College
- New College Lanarkshire - M...



Scotland's Colleges  
Energy Efficiency  
&  
Microgeneration Training  
Facilities



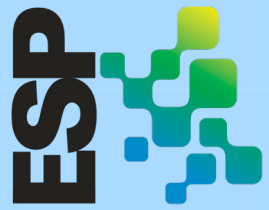
# Scotland's Colleges

## Energy Efficiency & Microgeneration Training Facilities

✓	Under Development																		
	Updated: 8 <sup>th</sup> March 2022	Ayrshire College	Borders College	Glasgow Clyde College	Dumfries & Galloway College	Dundee & Angus College	Edinburgh College	Fife College	Forth Valley College	Glasgow Kelvin College	Lewis Castle College	Moray College	NESCOL	Perth College UHI	South Lanarkshire College	West College Scotland	West Lothian College	New College Lanarkshire	City Glasgow College
	Level 3 Award in Energy Efficiency Measures for Older and Traditional Buildings																✓		
	Air Tightness	✓	✓				✓								✓		✓		
	Thermal Imaging	✓	✓				✓	✓									✓		
	SMART Control systems	✓	✓	✓			✓	✓								✓			
	Internal Wall Insulation					✓	✓								✓		✓		
	External Wall Insulation					✓	✓								✓	✓	✓		
	Battery Storage	✓	✓	✓			✓		✓							✓			
	Ground Source Heat Pumps	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
	Air Source Heat Pumps	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓			
	Solar Thermal	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
	Solar Photovoltaic		✓	✓	✓		✓		✓						✓	✓			
	Rainwater Harvesting			✓			✓		✓										
	Mechanical Ventilation Heat Recovery		✓				✓								✓				
	Grey Water System						✓		✓										
	Electric Boiler								✓										
	Electric Vehicle Charging			✓	✓	✓					✓					✓			
	Solid Biomass				✓										✓				
	Smart Metering							✓							✓			✓	✓

Scotland's colleges – delivering skills for the energy, engineering and construction sectors





College Map  
46 views

All changes saved in Drive

Add layer Share Preview

EETN Training Network

AS/GS HP 2019

AS GS Heat pumps

Insulation Building Treatment

Individual styles

- Dundee and Angus College
- South Lanarkshire College
- West College Scotland
- West Lothian College
- Edinburgh College

## Insulation Building Treatments (IBT) Training Facilities



Accredited specialist routes

- Cavity Wall
- Cold Roof Insulation
- Solid Floor Insulation
- Under Floor Insulation
- Room in a Roof
- Park Homes
- Hybrid Wall
- Insulate Framed Sections of Buildings
- External Wall Insulation Finisher
- External Wall Insulation Border/Finisher
- Internal Insulation Walls





ESP



# Thank You

John Renwick  
Sector Manager -Construction  
ESP

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Scottish Funding Council  
Promoting further and higher education

# Insulation, Building Treatments



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# Changes to Legislation

- Pre-requisite Qualifications



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# Qualification Structure

- IBT Level 5/6



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# Courses Offered

## [slc.ac.uk](http://slc.ac.uk)



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# Course Delivery Models

- MA's
  - Experienced worker route
- Bespoke (tailored to suit Business/ Industry)



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# Cost/ Funding

- **MA's SDS**
- SCQF 5 - 16-19 = £3,700, 20-24 = £2,500, 25+ = £1,900
- SCQF 6 - 16-19 = TBC, 20-24 = TBC, 25+ = TBC
- **EWV FWDF**
- Levy Payers (£3m salary bill) = £15k pa
- SMEs (less than 250 employees/£3m Salary bill) = £5k pa
- **NTTF (SDS)**
- Up to £3,500 for a maximum of 16 weeks training



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# Employer/Trainee Funding

- **SDS Adopt an Apprentice**
- £2k for Apprentice made redundant on same framework
- **Windfarm Grants**
- Grant value is dependent on eligibility and area.
- **Kickstart Scheme**
- £1,500 towards training + 100% of NMW, NI and contributions for 25 hour week



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# Skills Gap Analysis

- Portfolio Evidence
  - ESOL



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# Enrolment Dates

- New entrants August 2022/January 2023
  - Bespoke Ongoing



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# Training Facilities



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# Contact

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- 01355807780



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# Question Time?



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You can ask questions by typing them into the questions box of the control panel

## Panellists:

Pilar Rodriguez	Programme Manager, Sustainable Energy Supply Chain, <b>Energy Saving Trust</b>
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# Thank you for attending

- **Website:**  
<https://energysavingtrust.org.uk/business/energy-efficiency/support-for-supply-chain/>
- **Email updates and quarterly newsletter subscription:**  
[bit.ly/2PSatKL](http://bit.ly/2PSatKL)
- **LinkedIn Group:**  
[linkedin.com/groups/5139242](https://www.linkedin.com/groups/5139242)
- **Email:**  
[supplychainscotland@est.org.uk](mailto:supplychainscotland@est.org.uk)

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after the webinar has finished

