

Agenda

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|------------------------|--|
| 11.30am | Introduction and welcome – SCEME President – Phil Harris |
| 11.35pm | Members opinions and Background setting – Greg Keeling |
| 11.50am | Zurich Insurance |
| 12.20pm | Fire and Rescue Services |
| 12.50pm | Questions |
| 1.00pm to 2.00pm Lunch | |
| 2.00pm | Building Research Establishment (BRE) |
| 2.30pm | Independent Fire Consultant |
| 3.00pm | Questions and discussion – led by Phil Harris |
| 3.30pm | Close |

Welcome

Phil Harris, SCEME President

Housekeeping

Fire
WC's

Greg Keeling

Immediate Past President of SCEME
(about 15 minutes ago!)

Today is about

Reflecting on lessons
learned for school sprinkler
projects

Asking the questions -
Are sprinklers VfM?
Can we still afford them?
What are the alternatives?



Today is about

Professional discussion & debate
on cost, safety & risk

Avoidance of emotive language,
misleading costs & claims



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True or False?

It is mandatory for schools to be fitted with sprinklers?

False

True or False?

By installing sprinklers you will get a reduction in insurance premiums?

False

(If a block policy)

True or False?

School sprinkler systems are designed for life safety?

False

True or False?

A useful comparison is that sprinklers
cost less than carpet?

?

True or False?

The BB100 Risk Assessment tool is resulting in sprinklers being specified in schools where the risk is very low?

True

True or False?

The Government provides extra funding for sprinklers?

False

True or False?

124 children died on our roads during 2008?

Sadly true

True or False?

Since 2nd World War 2 children have died in a school fire (in playing fields shed)?

Unconfirmed



We should no longer expose our families, work colleagues, employees, customers, communities, businesses, environment, and economy to the ravages of fire. Control measures with the ability to do this have been available for over a hundred & fifty years - we cannot and must not wait any longer. Now is the time to act to protect our families, communities, and environment from fire.

National Fire Sprinkler Network

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Understanding Cost





Background

Our members are:

- having to demonstrate Value for Money (VfM)
- required to deliver more & more for less & less
- having to respond to the James Review (30% less)
- reviewing everything – nothing is sacred

We know...

- A typical ECC primary school sprinkler cost is averaging around 3% of building construction cost (ranges between 2.44% and 4.9%)
- In line with other LA figures obtained



We know...

ECC Primary school costs:

- £42m² to £107m²
- Average £74.30m²



We know...

- A third of million for sprinklers for a new ECC secondary school
- 1.74% of building construction cost
 - £32.42 M²



We know...

- Primary School Maintenance £600 to £800 per annum



We know...

- No insurance reduction for a block policy
- Excess is removed when sprinklers installed



We know...

- Sprinklers make design co-ordination more complex
- Pipework is large and unsightly and costly to conceal
- Sprinkler systems requires plenty of space for tanks, pumps etc.



We know...

- Low risk schools are being fitted with sprinklers
- Primary schools are generally not able to offset other savings



Engineers have to make difficult choices ...



Air tightness

Ventilation

Commissioning

ICT VFM

Legionella

Materials

Co ordination

Statutory

management

Maintenance

requirements

Carbon reduction CoPs CRC

DDA

Gas safety

Cold

Fire safety

Security

Thermal comfort

Daylighting

More for

Water

Sustainability

less

Hot water

Health

Acoustics

Budgets

and safety

BREEAM

Programme

Energy Efficiency
Waste management

Heating

Passive 'v' Active

Lighting

Building Regs

Equipment selection

Design

Control Strategies

British standards

Electrical design

Utilities

Glare

Decision?



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Conclusion - Our members

The DfE risk assessment tool needs revising

Is older building stock not a greater fire risk than buildings built to current building regulations?

Are there not more cost effective measures that could be introduced to reduce fire in higher risk areas?

Why can the sprinkler industry not develop more cost effective solutions that are less obtrusive?

Sprinklers have their place but should not be the norm

Work with the insurance industry to develop affordable alternatives

Sprinklers are not cheap + huge reduction in budgets.