



Department
of Energy &
Climate Change

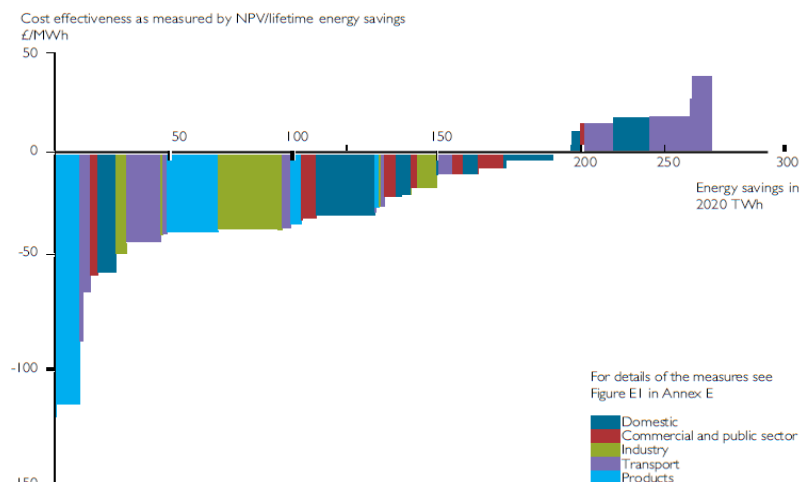
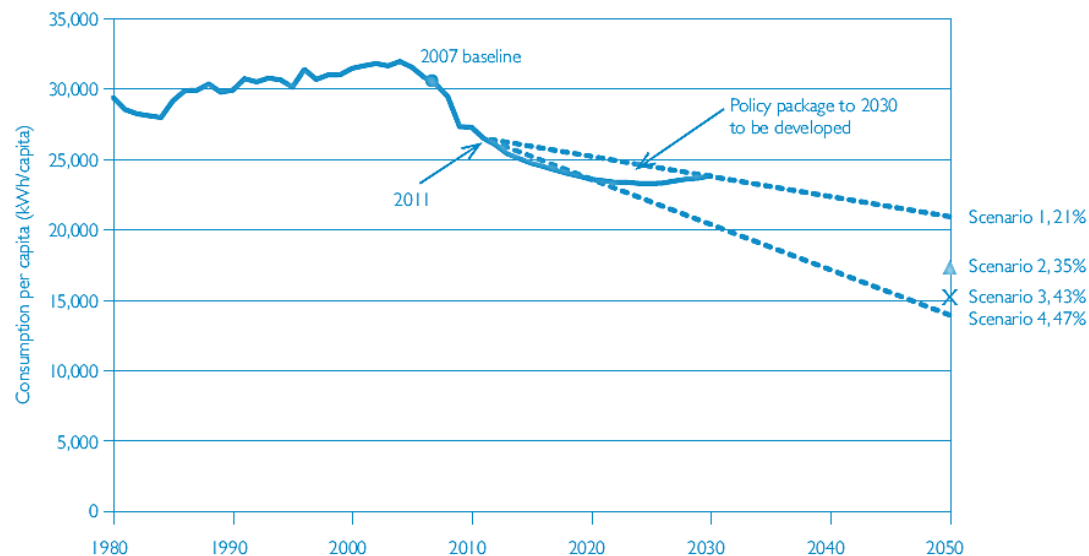
Energy Savings Opportunity Scheme

Martin Adams, UK Department of Energy & Climate Change



Carbon Plan scenarios require energy efficiency to contribute a reduction in final energy consumption per capita between 2011 and 2050 of 21-47%

“We estimate that through socially cost-effective investment in energy efficiency we could be saving 196TWh in 2020”



The current policy package is on track through to 2020 but additional action is needed to maintain progress after 2020.



Key facts about ESOS

What is ESOS?

- UK-wide mandatory energy measurement and auditing scheme
- Introduced in response to EU Energy Efficiency Directive – aims to help achieve latent cost-effective energy efficiency potential

Who must comply?

- Large undertakings and large corporate groups across the UK.
- Target highest UK-parent but allow disaggregation

And by when?

- Qualification date - 31 December 2014
- Compliance date – 5 December 2015
- Audits must be repeated every four years (i.e. second phase ends 2019)



Collaborative approach to policy design

500

Met with over 500
stakeholders
(and given presentations &
webinars to many more)

300

From over 300
organisations

150

Received 150
written consultation
responses



Key messages from stakeholders

Keep it simple, and understandable yet make it meaningful

- Respondents want the scheme to provide outputs that are relevant to each business
- Respondents want ESOS to add value and identify real measures that can be implemented

Avoid duplication in existing regulation and requirements

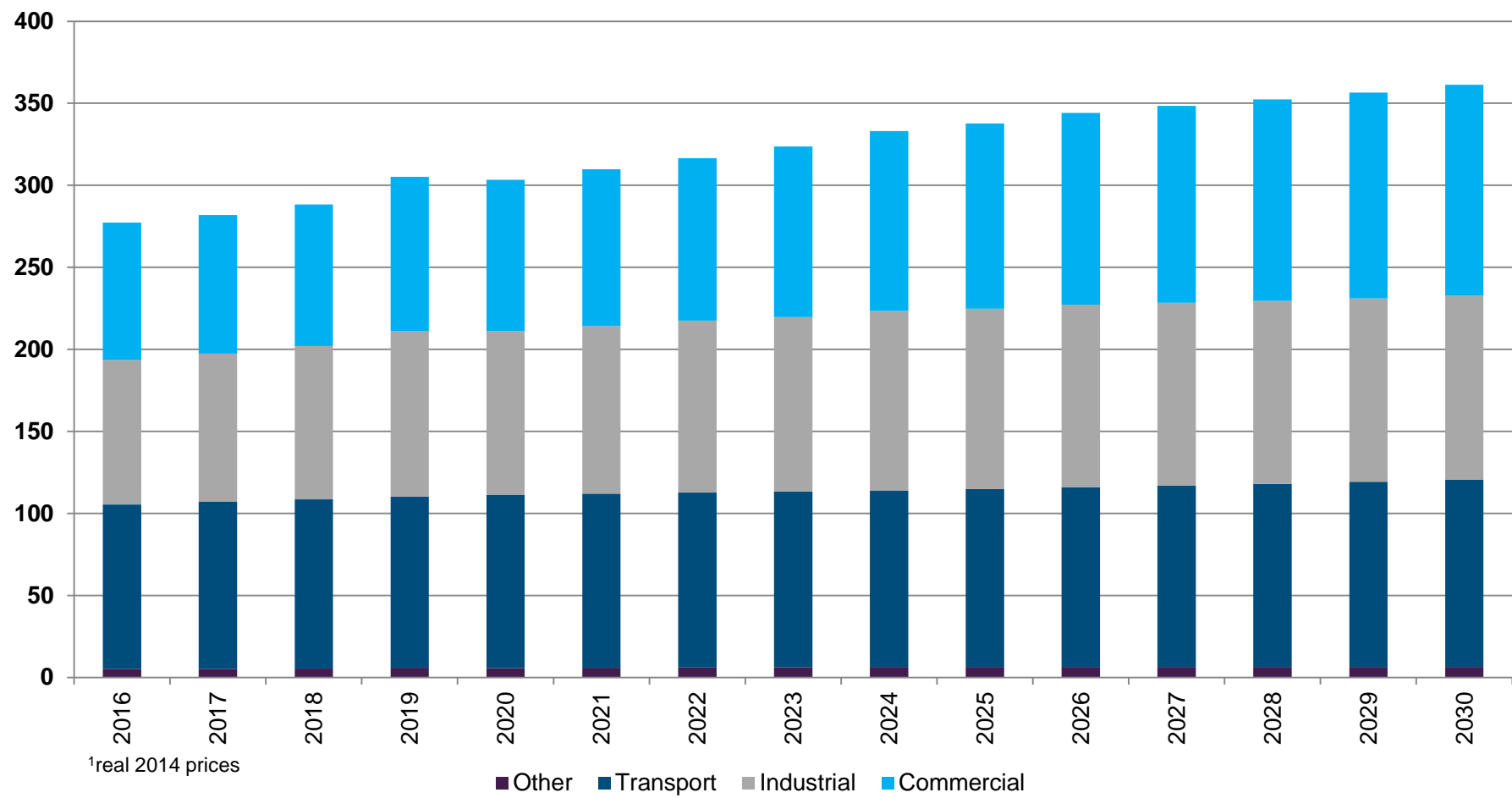
- There a range of energy efficiency policies operating in the UK – ESOS needs to fit
- Take advantage of alternative routes to compliance – e.g. ISO50001

Minimise costs

- Allow discretion on the number of site visits required within audits
- Using internal team members for their knowledge and skills
- Only having lead auditor requiring accreditation under the scheme – but need for whole audit team to be of sufficient quality to ensure that output is meaningful

ESOS is estimated to have a £1.6bn net benefit to the UK. This will primarily be felt by business through lower bills

Estimated energy bill savings (£m) for ESOS participants, split by sector





Department
of Energy &
Climate Change

Overview of ESOS requirements



Am I part of a group undertaking?

Does the group undertaking include in the UK one or more 'large enterprises'?

I am part of a large group enterprise

Do I employ 250 or more people?



I am a 'large enterprise'

Is my turnover more than €50m

AND

Is my annual balance sheet more than €43m



I am a 'large enterprise'

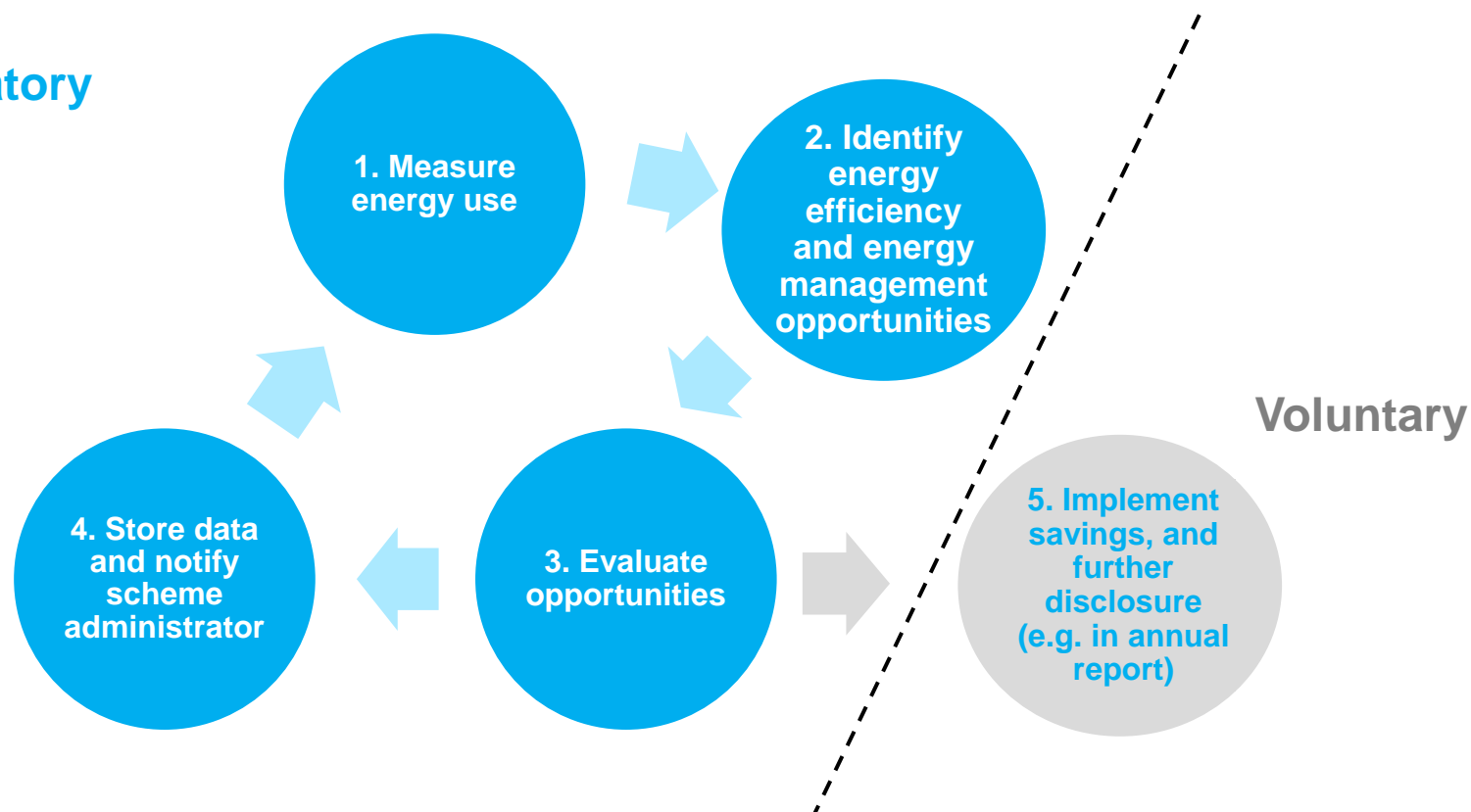


Organisations subject to the public contracts regulations 2015 are exempt from the scheme



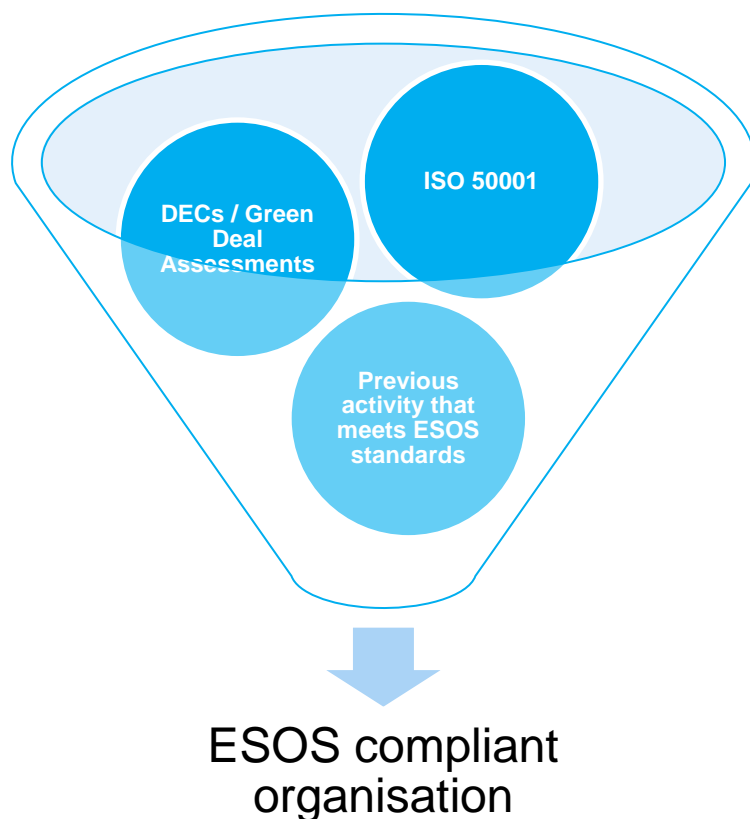
Conducting an ESOS assessment

Mandatory





Routes to compliance



- ISO50001
- Display Energy Certificates
- Previous audits to ESOS standards

And...

- **ESOS compliant energy assessments** (either conducted in-house or by external assessor)

Use a qualified lead assessor



Lead
Assessor

*Belongs
to a...*



**Professional
body**

*Which is
approved by...*



Environment
Agency

**Scheme
administrator**

- PAS51215 – sets standard of competence for lead assessors (professional bodies will ensure members meet this standard)



Department
of Energy &
Climate Change

Any questions?

esos@environment-agency.gov.uk

<https://www.gov.uk/energy-savings-opportunity-scheme-esos>