



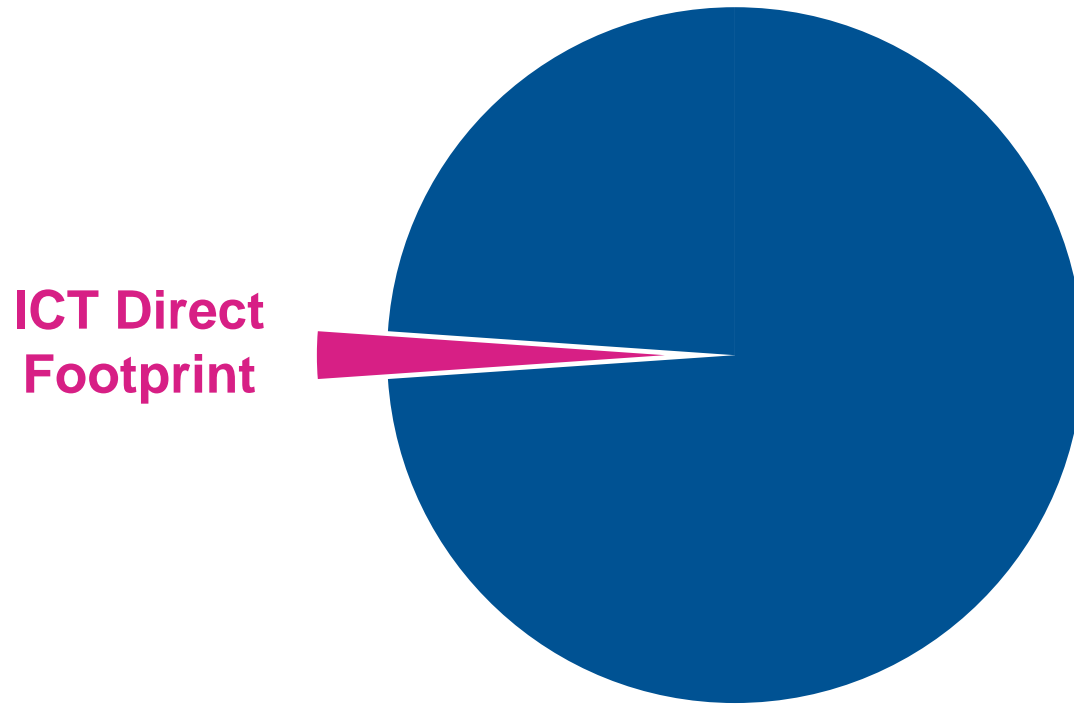
A Climate Stabilisation Intensity Target

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world



ICT and Global CO2 Emissions



ICT OPPORTUNITIES



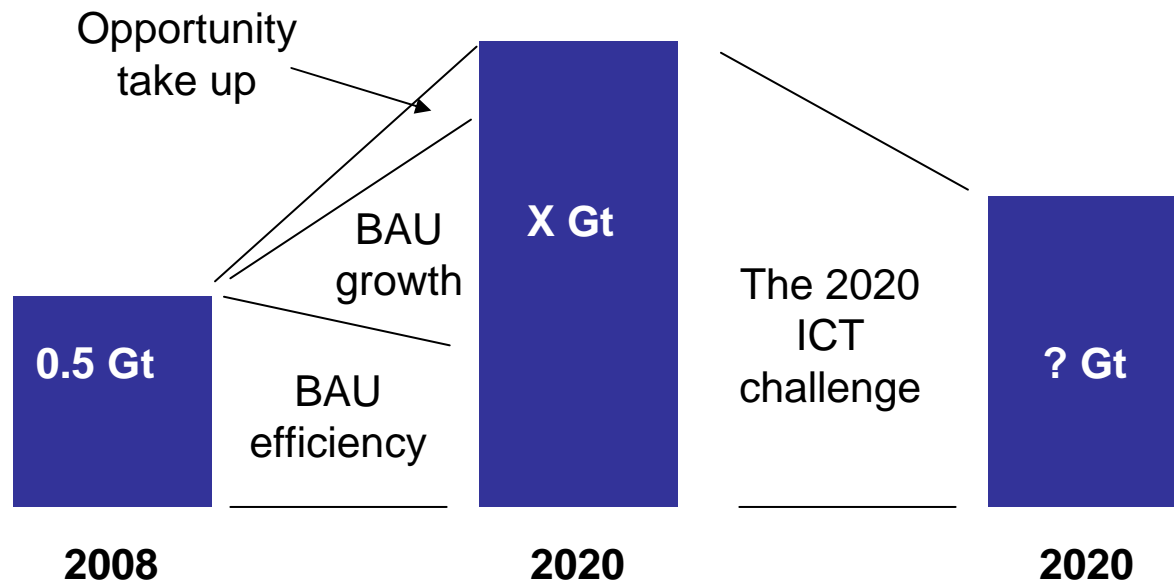
SMART BUILDINGS

SMART GRIDS

SMART LOGISTICS

SMART MOTORS

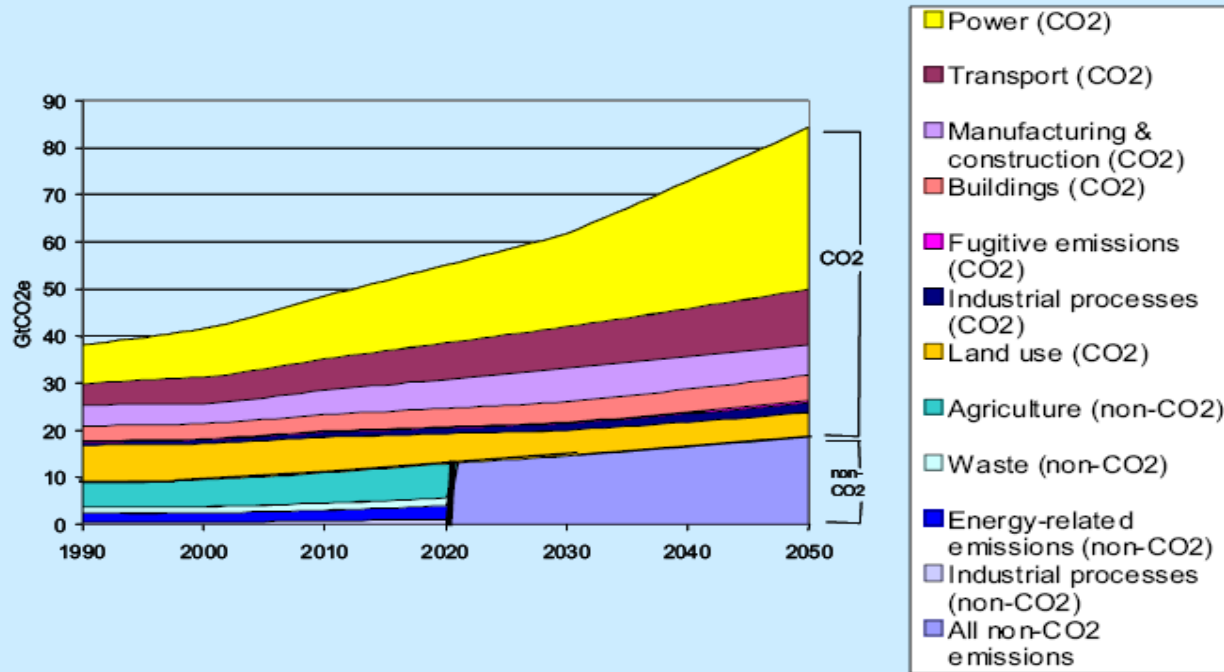
ICT Sector Direct Emissions



This is a schematic representation only

Growth in Global CO₂e Emissions

Figure A Historical and projected GHG emissions by sector (by source)

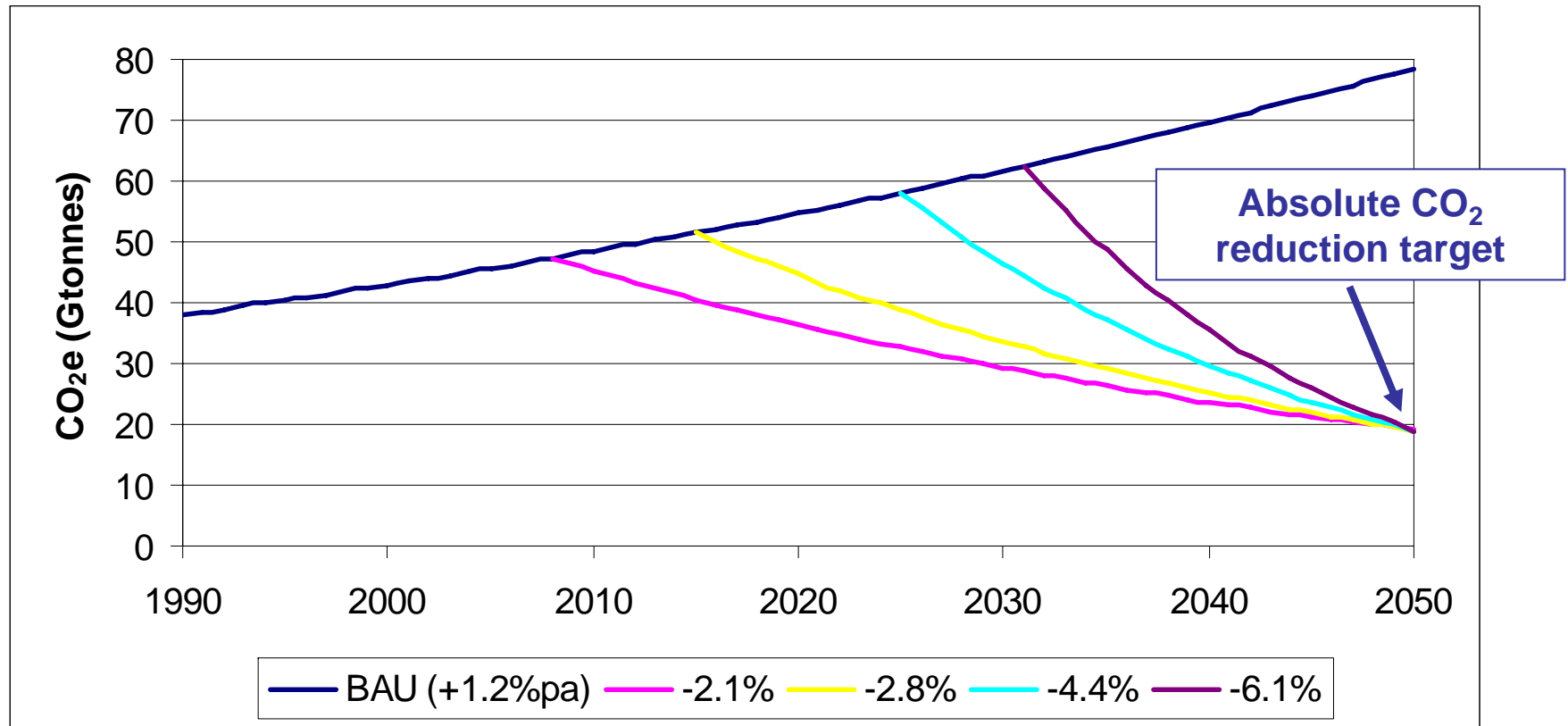


Source: WRI (2006), IEA (in press), IEA (2006), EPA (forthcoming), Houghton (2005).

2008
 47 Gtonnes CO₂e
 47,000,000,000 tonnes
 1.67 Kg CO₂e / £ GDP

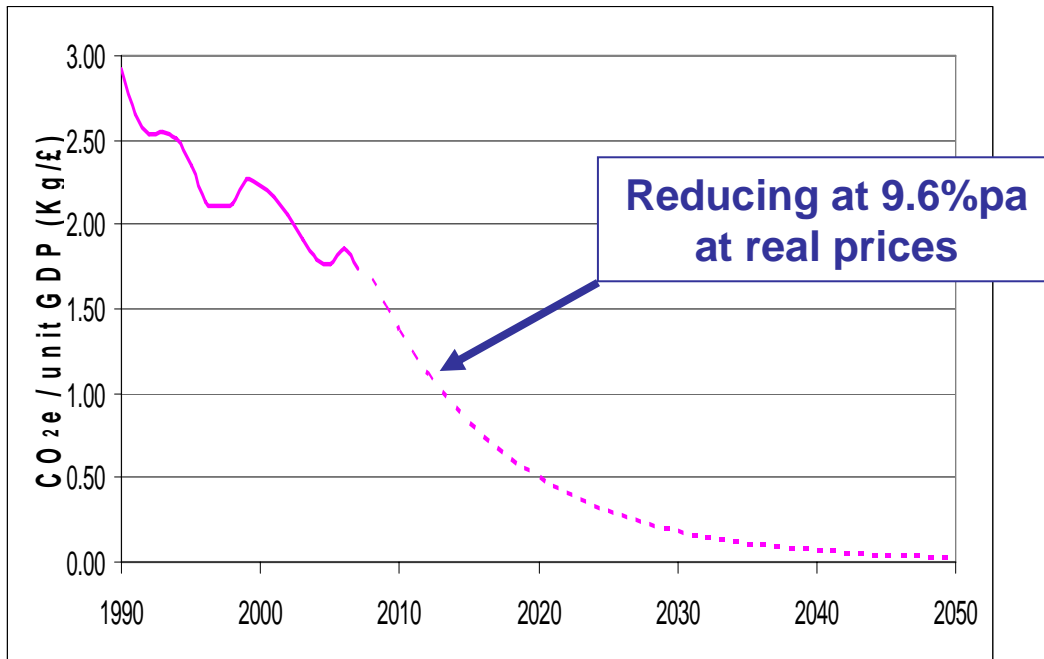
Diagram taken from the Stern Review

50% reduction on 1990 levels by 2050



Average world GDP growth at constant prices (1980 to 2007) = 3.6% pa
 Decoupling of world CO₂e emissions from economy (1990 to 2007) = 2.4% pa
 Net business as usual growth of world CO₂e emissions = 1.2 % pa

World CO₂e intensity for 80% reduction in emissions



But what should a company do?

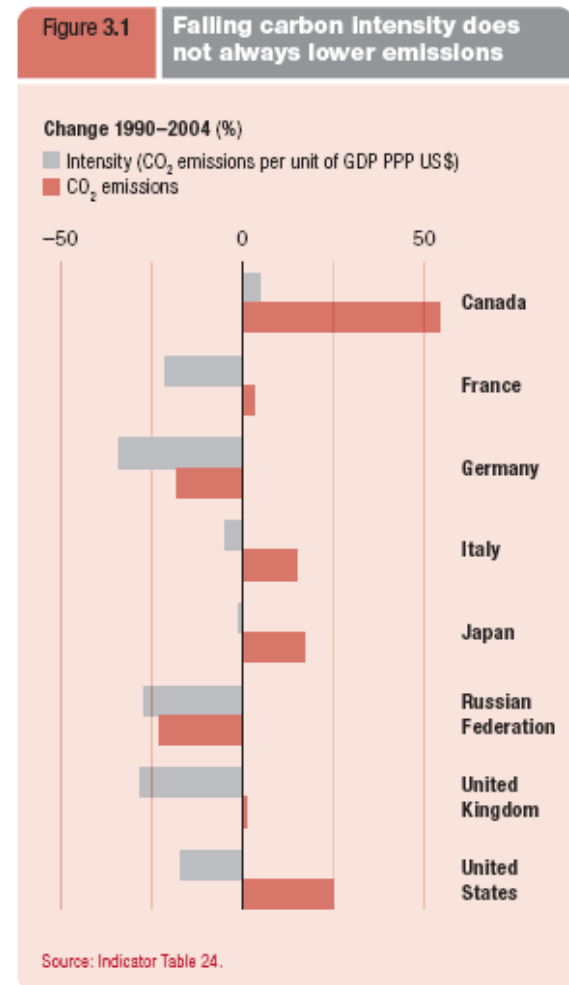
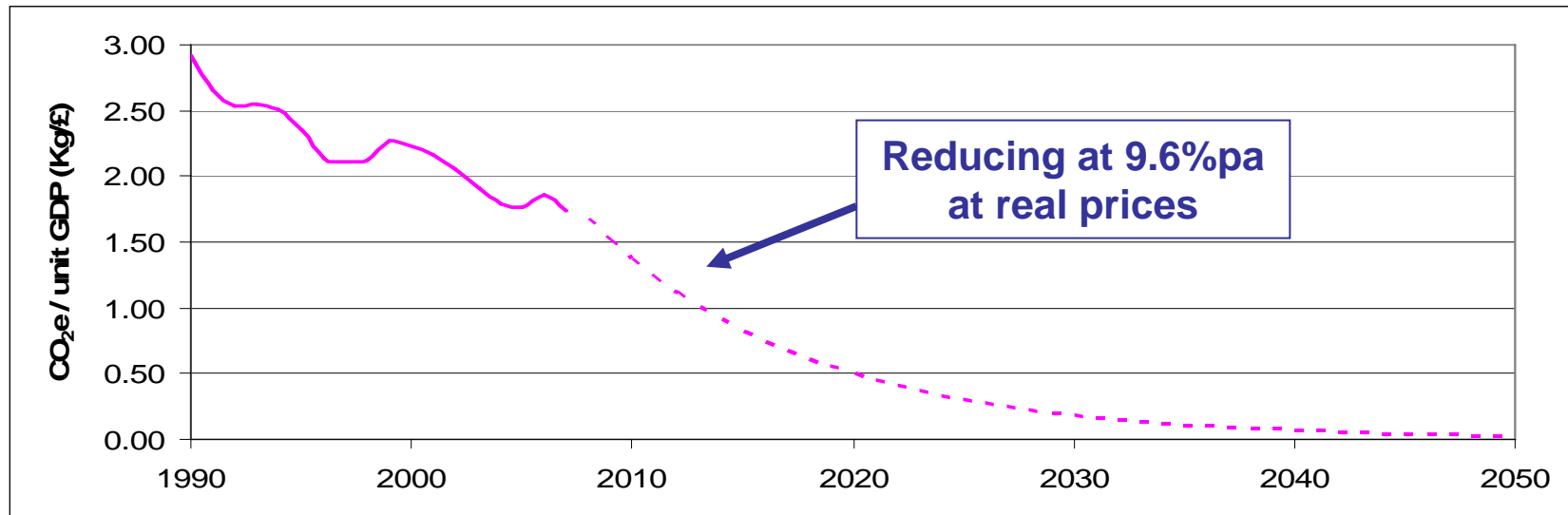


Diagram taken from the UNDP Human Development Report 2007/8

A company should



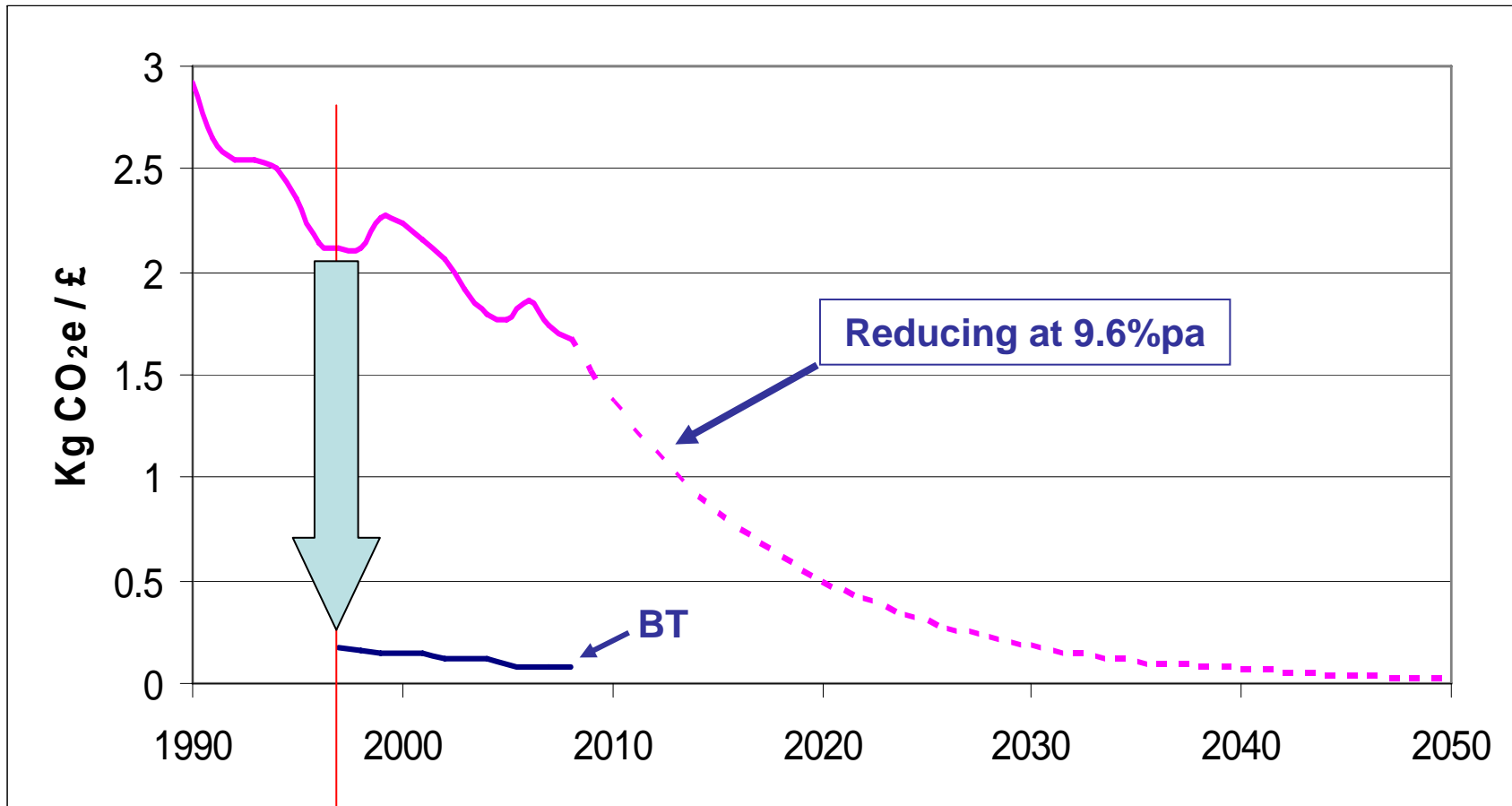
Match or exceed this trend – ie its CO₂e per unit of contribution to GDP* should drop by at least 9.6% pa

A company's contribution to GDP is defined as its Value Added, where:

Value Added = EBITDA + employee costs = turnover – bought in costs and services

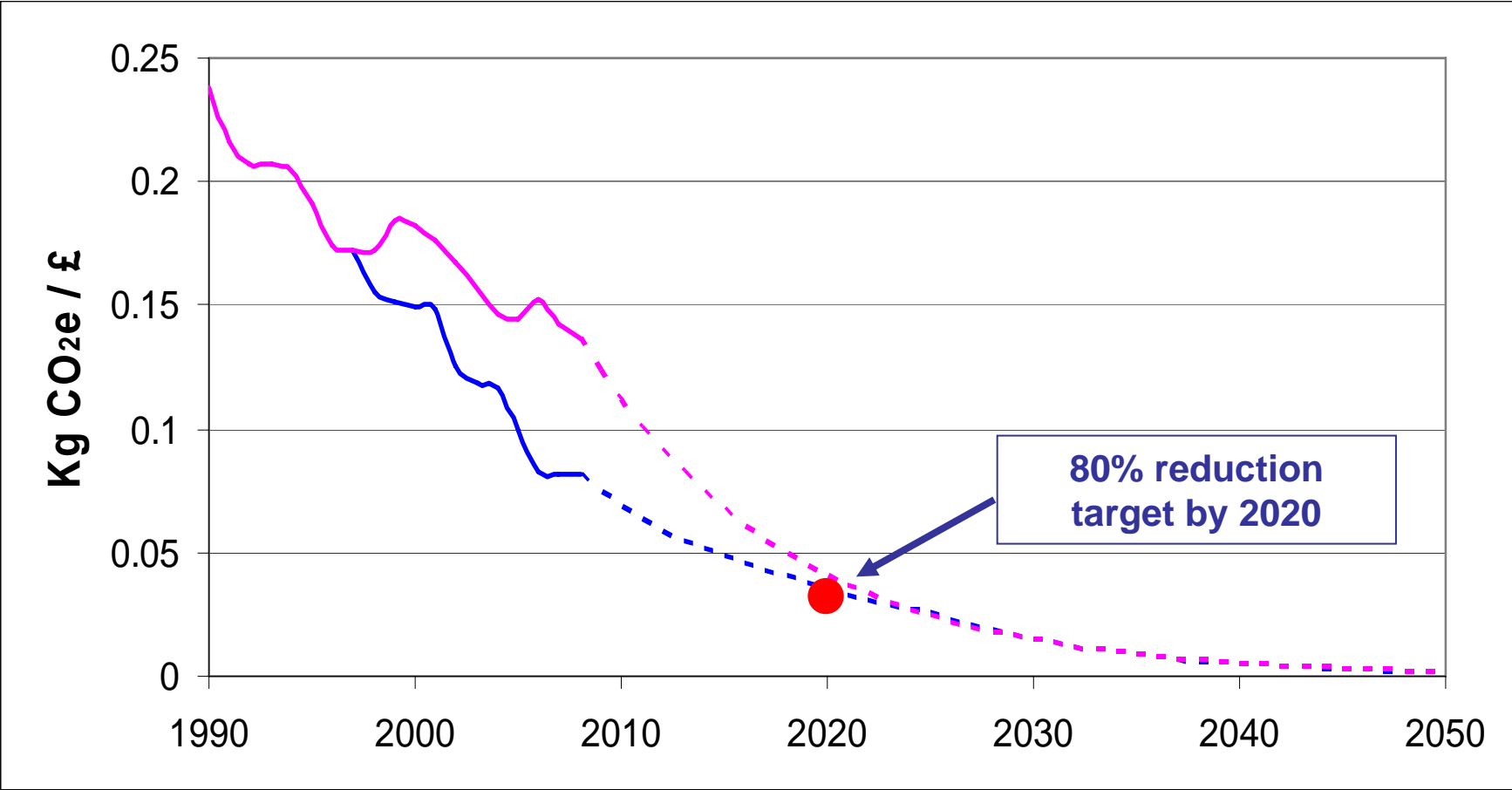
Adding in BT's CO₂e intensity

$$\left(\text{Intensity} = \frac{\text{CO}_2\text{e}}{\text{Value Added}} \right)$$

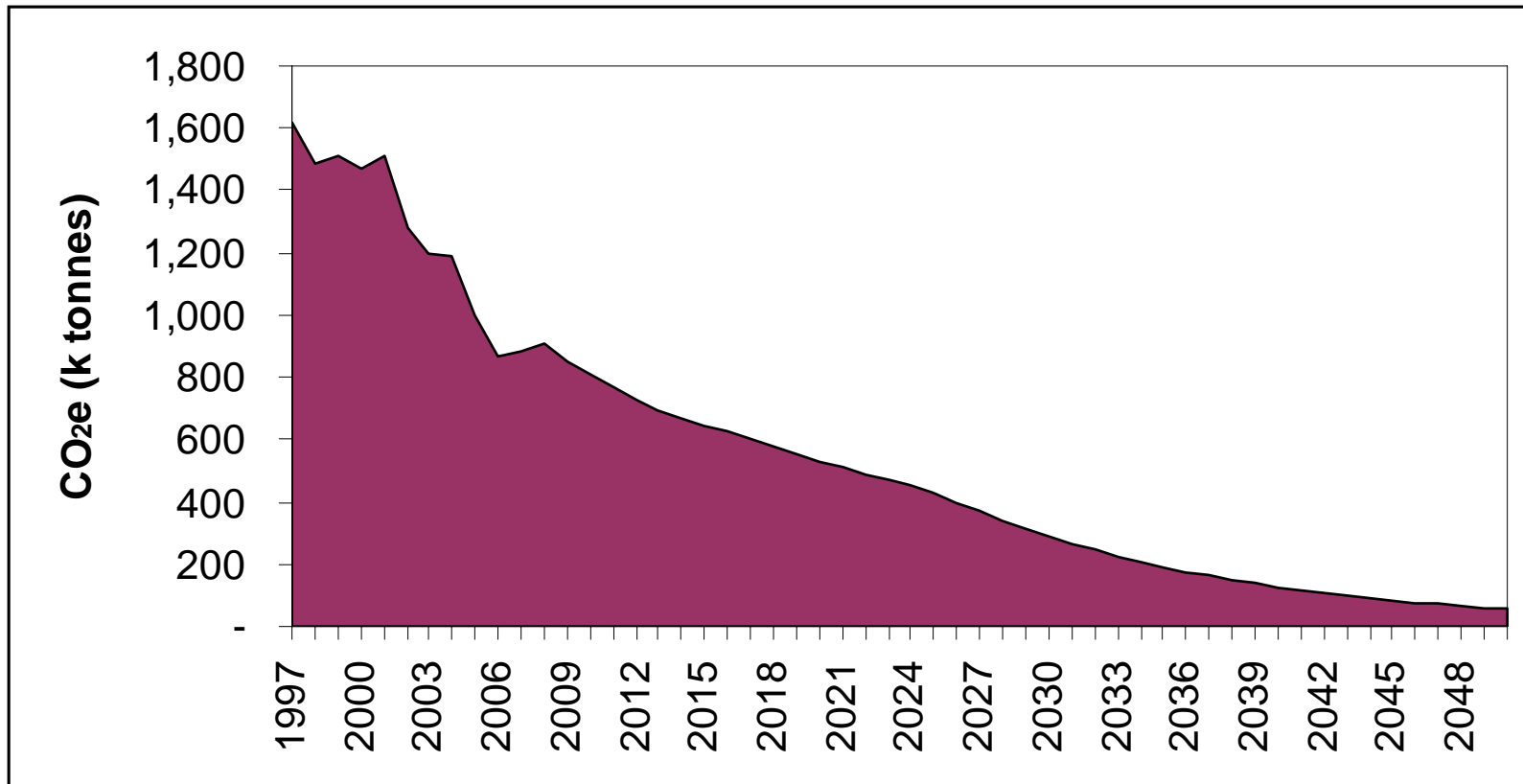


BT base line year 1996/7

Setting a Climate Stabilisation Intensity Target



BT's emissions are dropping in real terms



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Advantages of a CSI target

- Combines company environmental and financial performance
- Links company performance to global environmental and economic performance
- Accommodates the normal dynamics of businesses such as organic growth, acquisitions and outsourcing
- Provides a framework for modelling future strategy
- Allows straightforward benchmarking

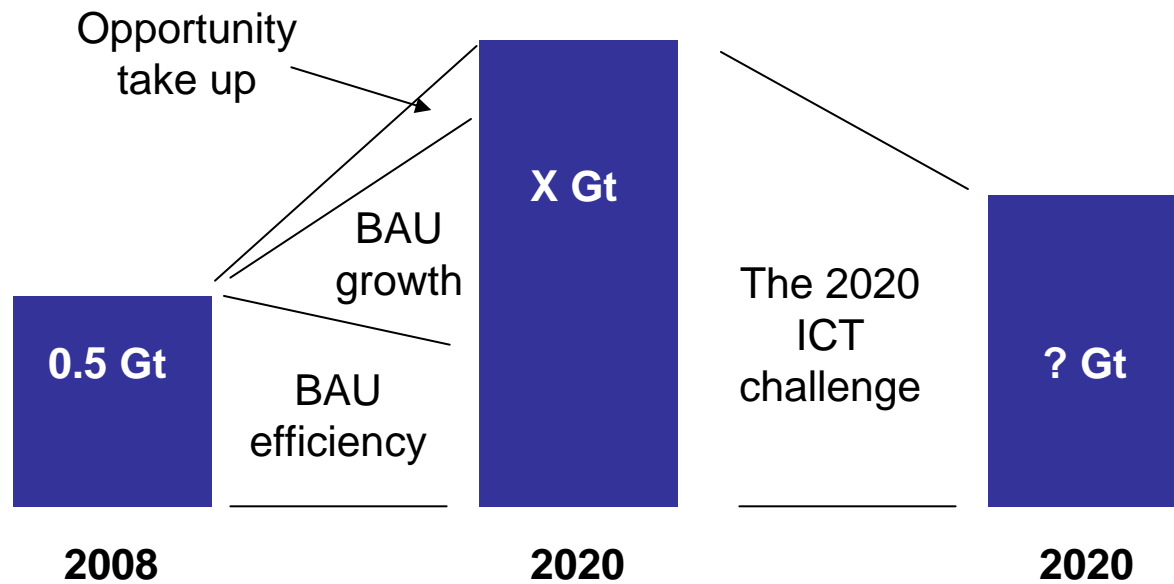
Climate Stabilisation Intensity Target

Ensures emission reductions are sufficient to prevent catastrophic climate change.

Links climate protection to economic growth.

Green growth for a low carbon future

ICT Sector Direct Emissions

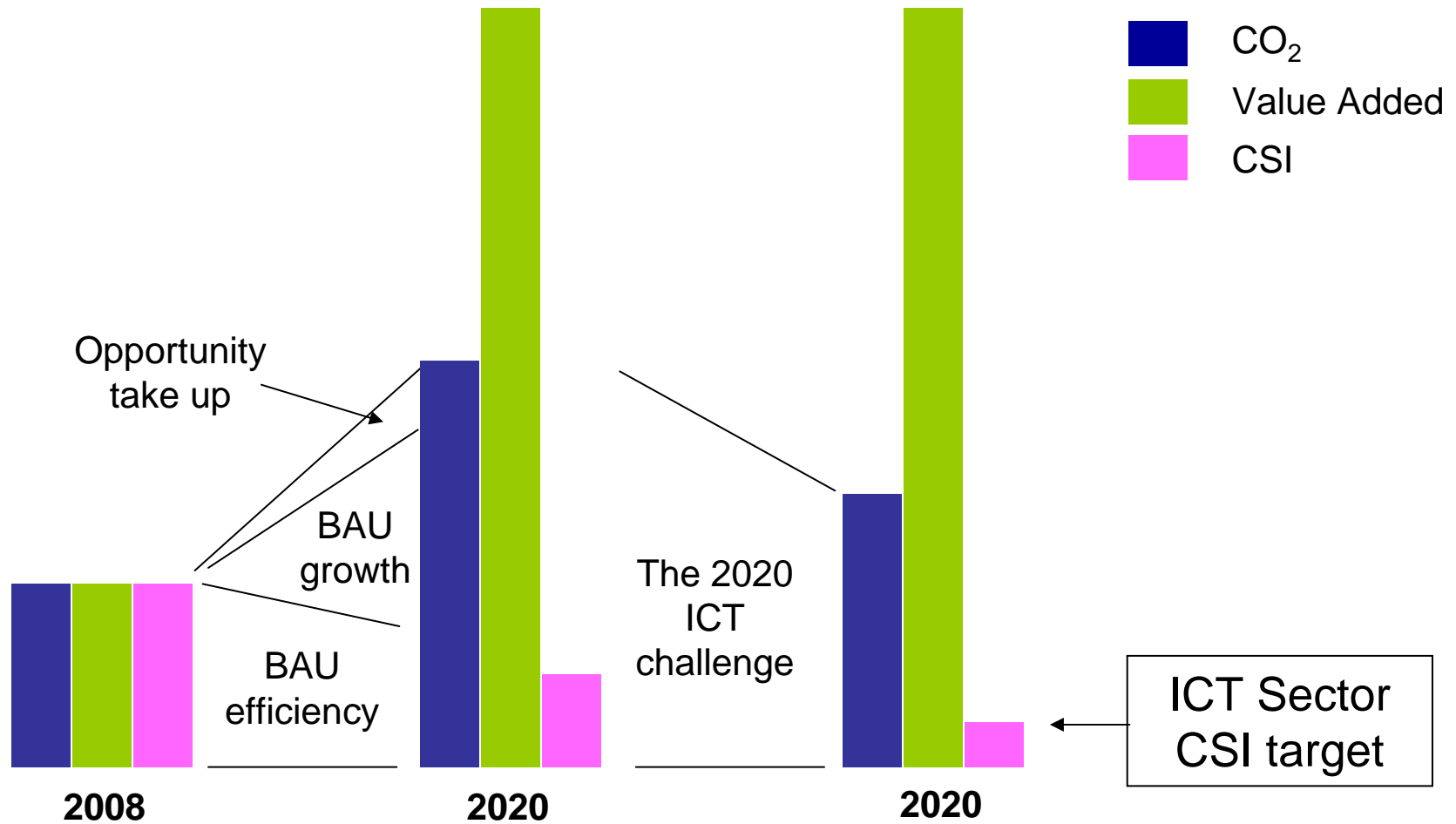


Bali Action Plan Decision 1/CP.13

..... launch a comprehensive process to enable the full, effective and sustained implementation of the Convention through Cooperative sectoral approaches and sector-specific actions

<http://unfccc.int/resource/docs/2007/cop13/eng/06a01.pdf>

An ICT Sector CSI Target?



Renewable electricity is key

- Build in-product and on-site renewable generation
- Purchase renewable electricity
- Lobby governments to create the right investment environment



In Conclusion the ICT sector should:

- Deliver climate friendly ICT solutions to our customers
- Be ready for NGOs to challenge our direct footprint
- Be prepared for an ICT sector obligation
- Consider applying the CSI methodology to the sector
- Push for more renewable electricity
- Use our high tech creativity
- Low carbon should be the standard

Thank You

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English | Français

Bigger thinking / Sustainability / BT Team Ellen



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