

Multiple benefits of energy efficiency

*It is not just about **energy!***

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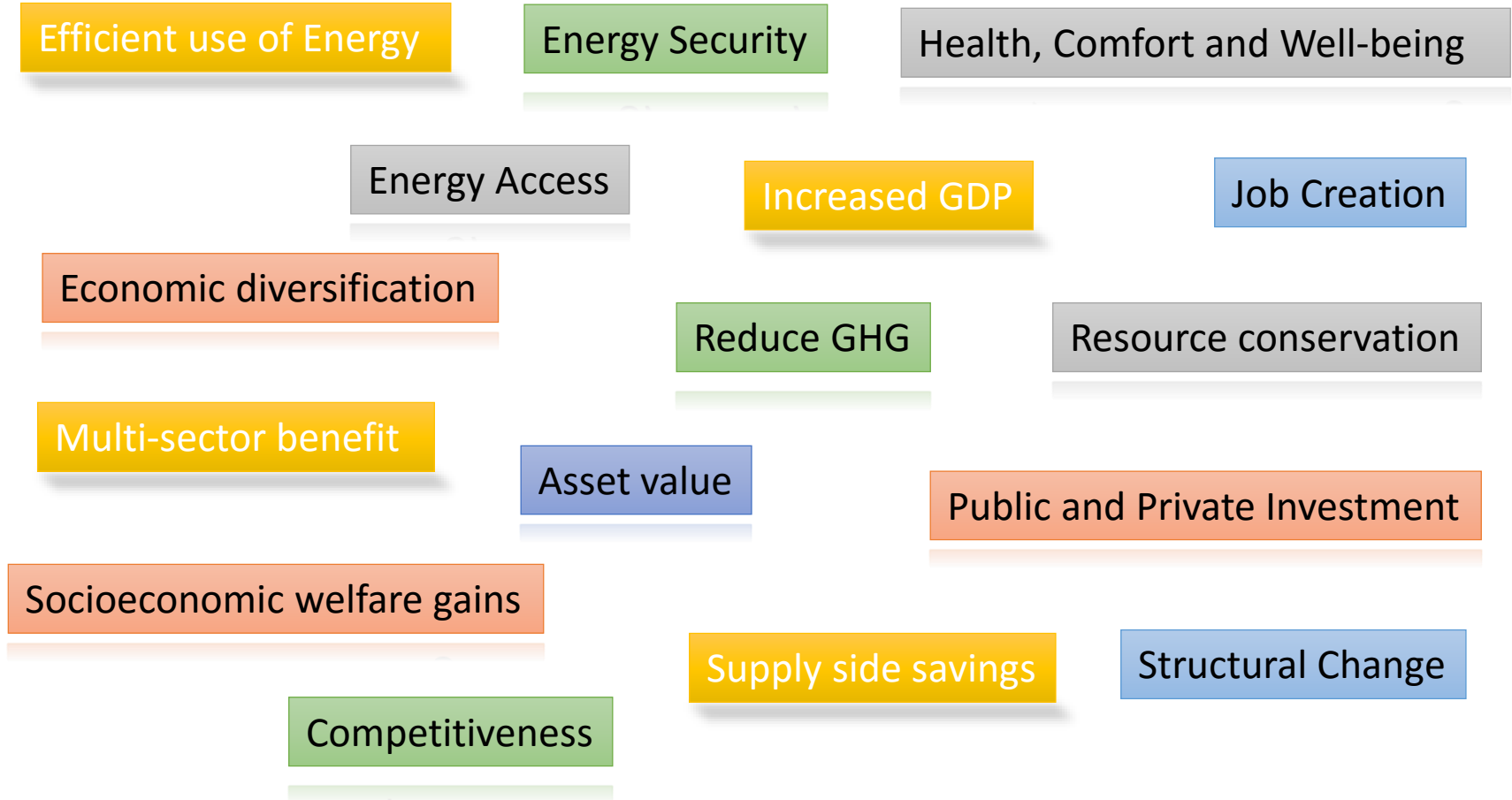
Energy Efficiency Policy is commonly perceived as:

- energy saving and energy conservation policy
- often a responsibility of a Ministry of Energy to implement
- focuses primarily on demand side energy reduction
- typically implemented as a one size policy; across countries, sectors and economies

However, it is much more than that:

Energy Efficiency is compelling when tied to an **economic growth agenda** and its **multiple benefits**

Multiple benefits of Energy Efficiency - Economic, Social and Environmental



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Efficient use of Energy

Energy Security

Health, Comfort and Well-being

Job Creation

Economic diversification

Supply side savings

Energy Access

Increased GDP

Reduce GHG

Structural Change

Asset value

Socioeconomic welfare gains

Public and Private Investment

Competitiveness

Resource conservation

Multi-sector benefit

Energy efficiency policies goes beyond energy sector

A framework for bringing in the multiple benefits of Energy Efficiency

A cohesive framework encompassing;

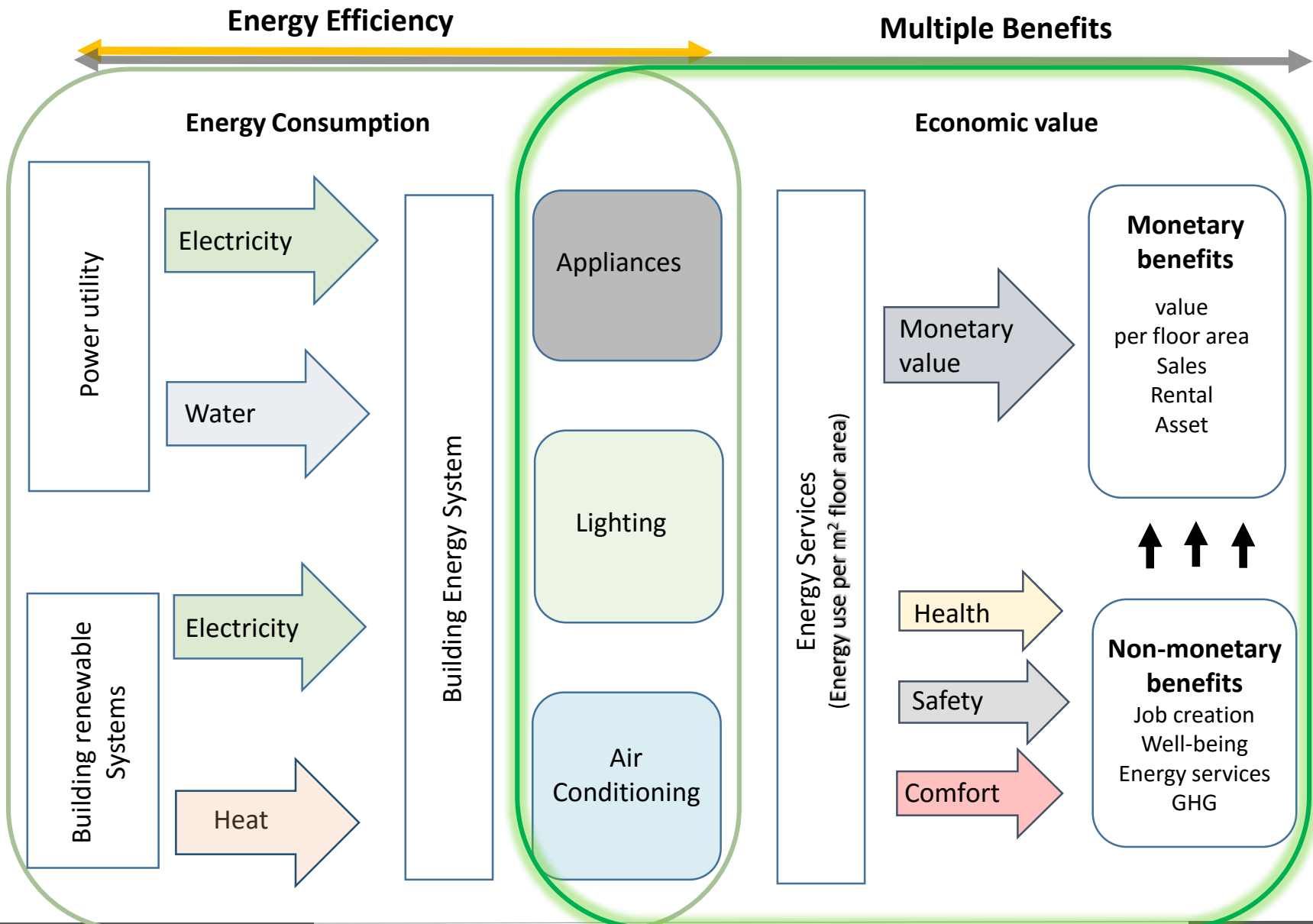
- Cross sector linkages
- Connecting stakeholders
- Prioritize needs of country/sector including non-energy benefits
- Planned measurable outcomes; at macroeconomic, socioeconomic and individual level
- Quantify impacts
- Cost effectiveness of policy implementation

Energy efficiency policies can be framed around Economic

Development and Growth rather than aiming to reduce energy

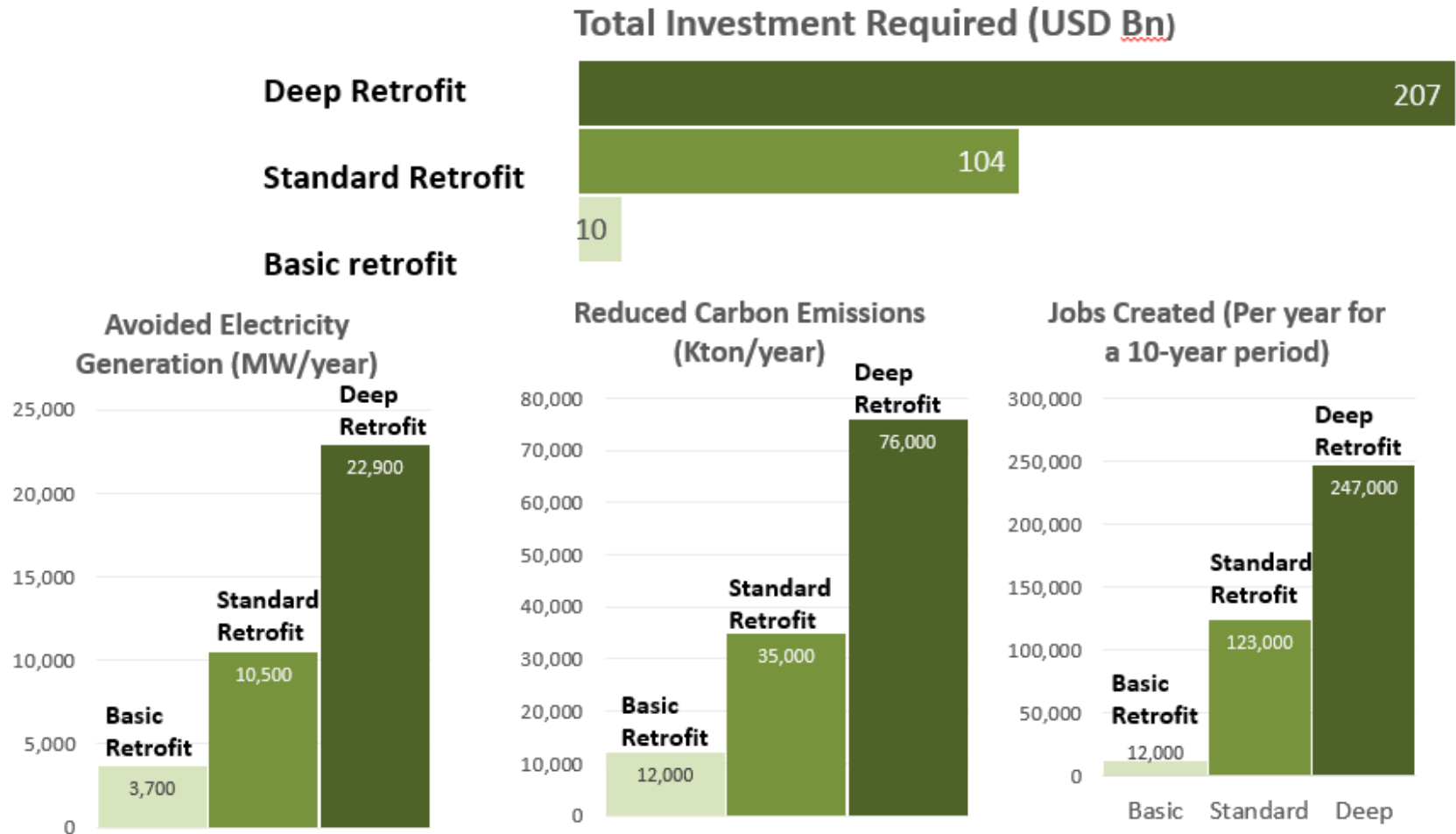
consumption

Multiple Benefits Framework for Building Sector



Saudi Arabia Building Sector Case study

The multiple benefits of Energy Efficiency in the building sector are substantial



Source: KAPSARC (2016) Evaluating Building Energy Efficiency Investment Options for Saudi Arabia



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Thank you