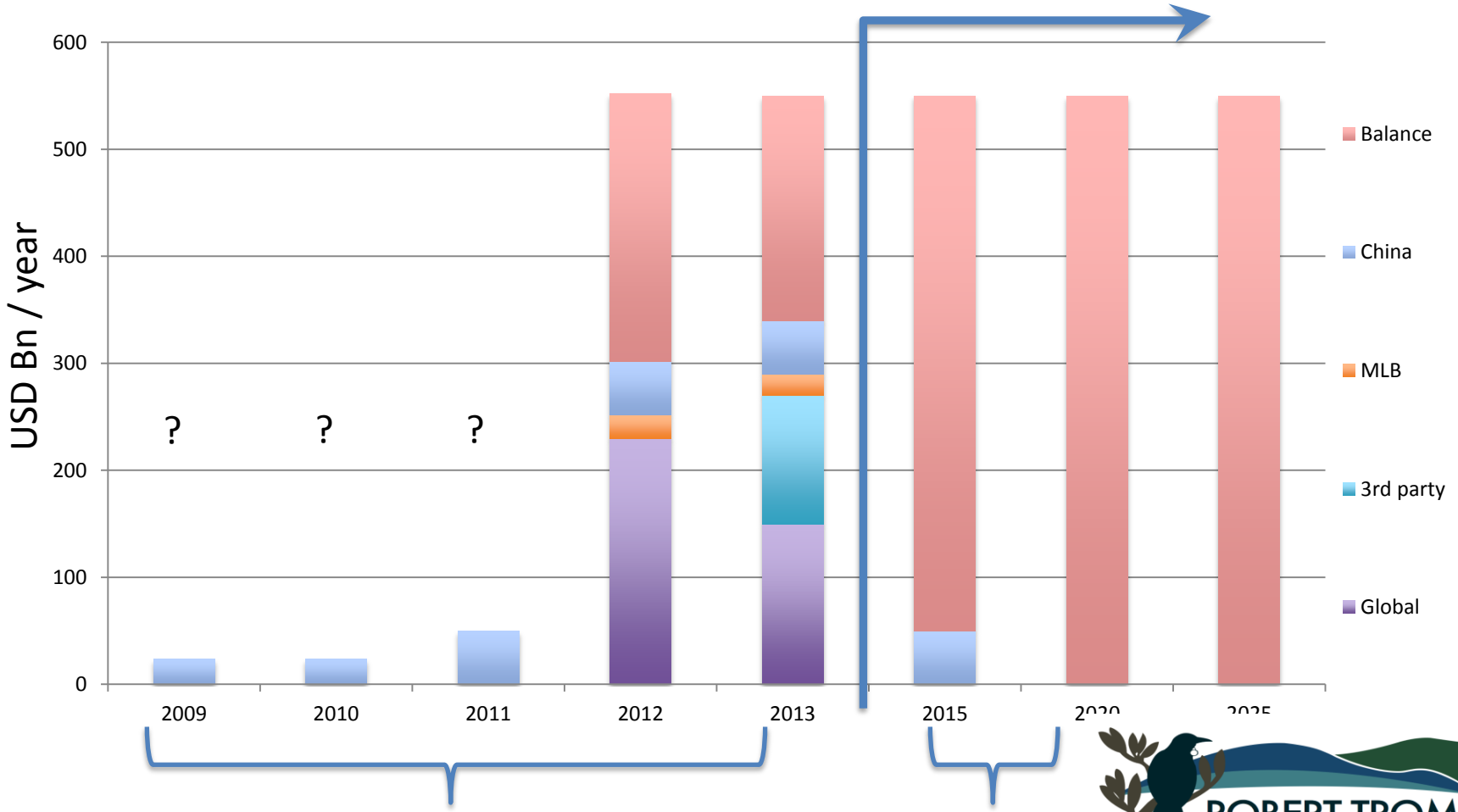
Options to improve energy efficiency:
Is energy efficiency improving fast enough?



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Challenges?

Investment skewed to OECD/EU & China

>USD150Bn gap [WEO] needs to occur in countries that are 'less investment ready'

Challenge: grow EE 'investment readiness' in emerging economies

Investment skewed to some sectors

Challenge; grow housing, transport, SMEs….

Only 30% from 3rd party financiers

very small % of global investment

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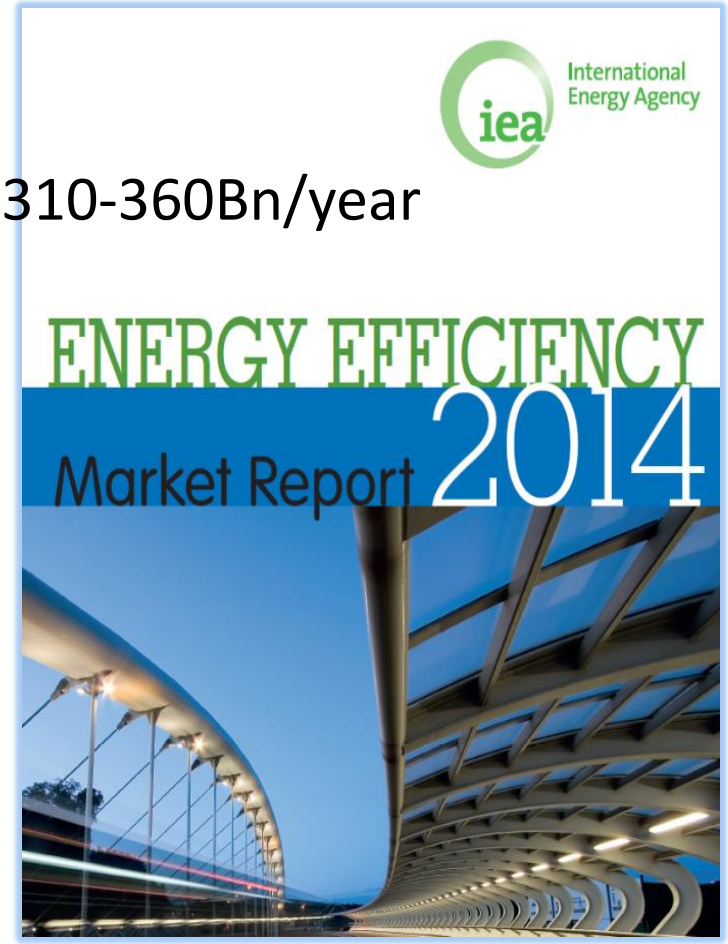
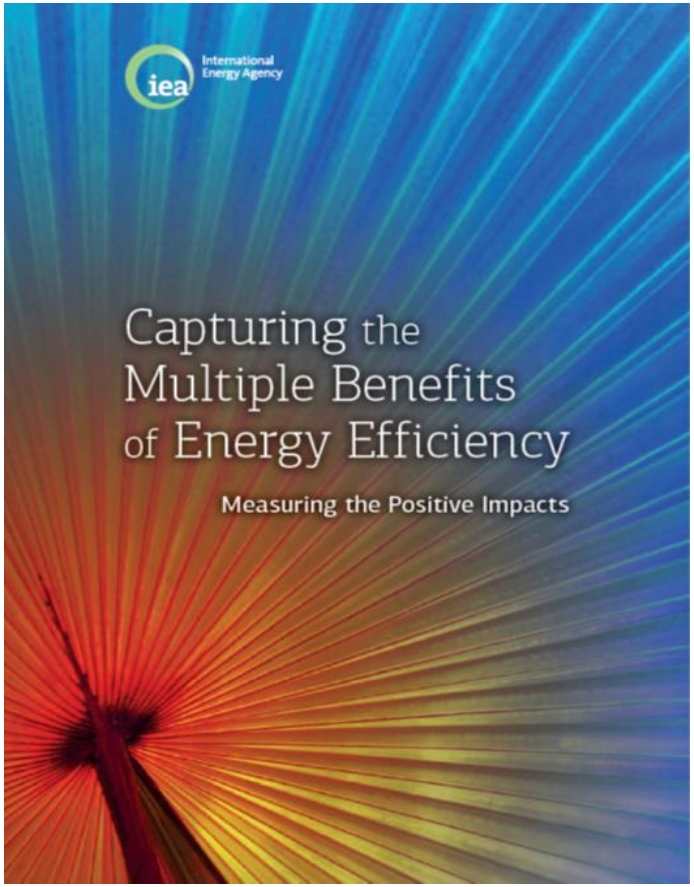
Recent IEA reports

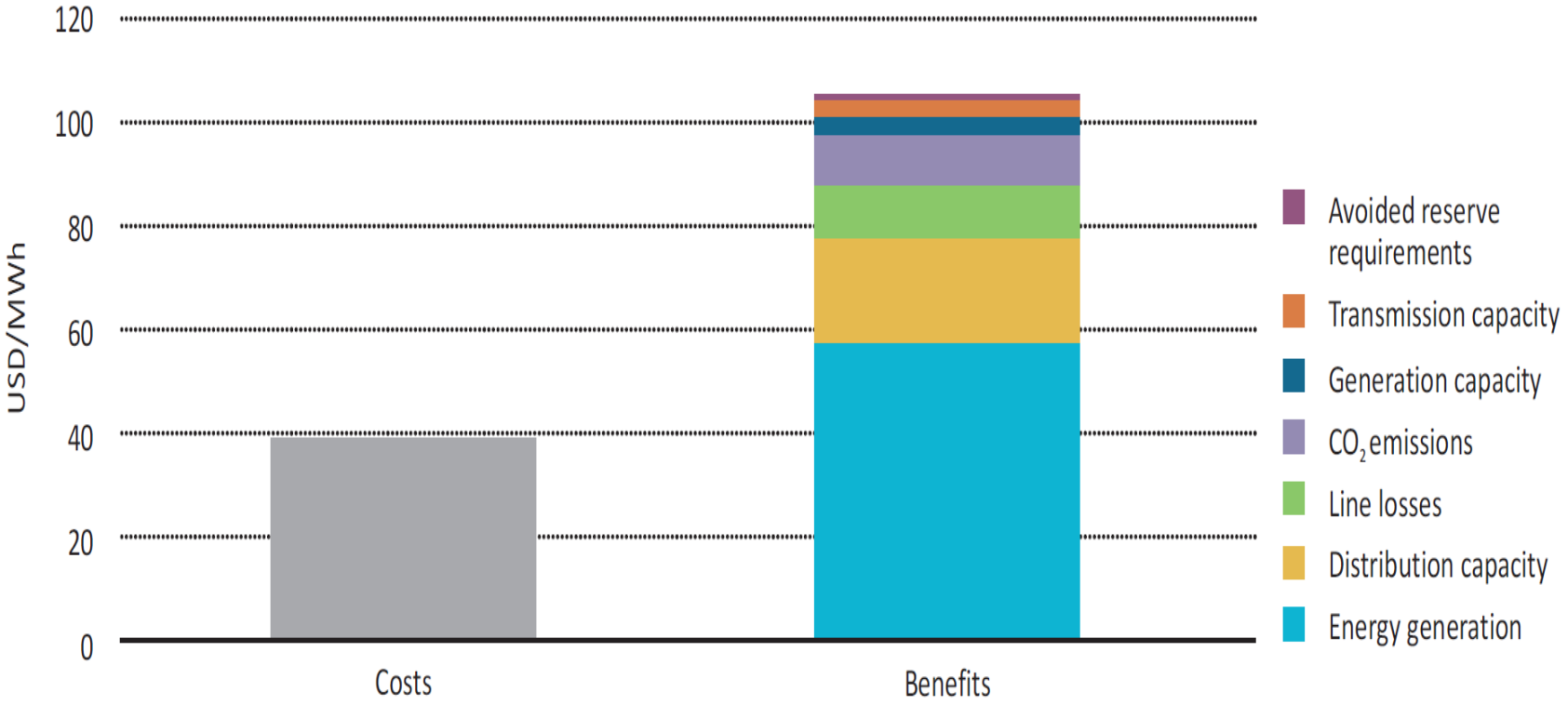
USD310-360Bn/year





Macroeconomic gains
Public budgets
Health & Social
Utilities
Productivity

Energy providers (Utilities): a changing business model



Benefits for utilities: in resource constrained operating context
Benefits for consumers/indirect benefits for utilities: Increased affordability reduces customer default and associated costs

What needs to be done strategically

Re-allocate USD500Bn+/ann. of energy subsidies that undo EE

- Shift subsidy from energy unit price to consumer service cost
- Reduce energy system distortions while,
  - Improving targeting to high social / development needs
  - Higher social/economic returns (Multiple Benefits) from subsidies

Integrate policy efforts: Infrastructure-Utilities-Programmes

Re-invent some sectors. motivate construction companies, building developers, financiers and housing agencies to take a longer term view and develop SE4All buildings.

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What needs to be done operationally at national level?

Every country has SE market segments that already work.

- Immediate **Rapid market Accelerators** (UNEP Enlighten , ENERGY STAR appliances….
- **durable market Accelerators** (medium term changes, buildings insulation, VFES, PT EV…)
- **Market Transformers** are also required: new markets or step-changed markets for new services – new ways to build cost effective zero / low energy homes.

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