

# IEA Global Conference on Energy Efficiency 2018

## Energy Efficiency: A Potential Tool to Unleash Socio-economic Development

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# Potential to halt dumping: *Standards & Labelling - Anti dumping tool.*



20/04/2010



20/04/2010



12/11/2011



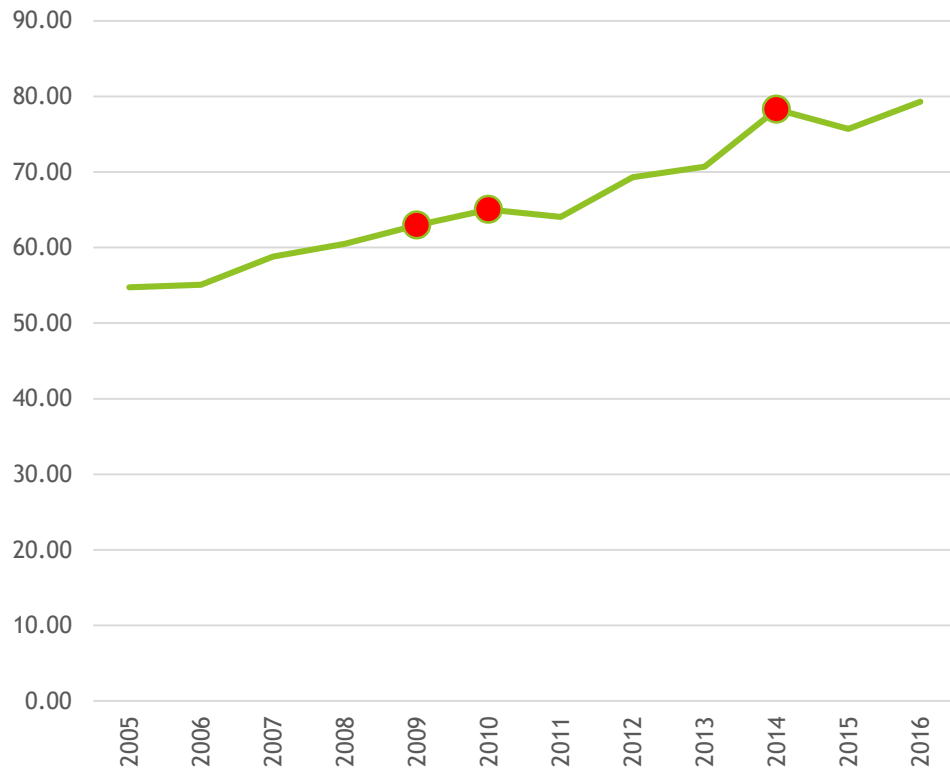
23/07/2010



# Potential to increase Energy ACCESS

*More people get connected without increasing generation capacity*

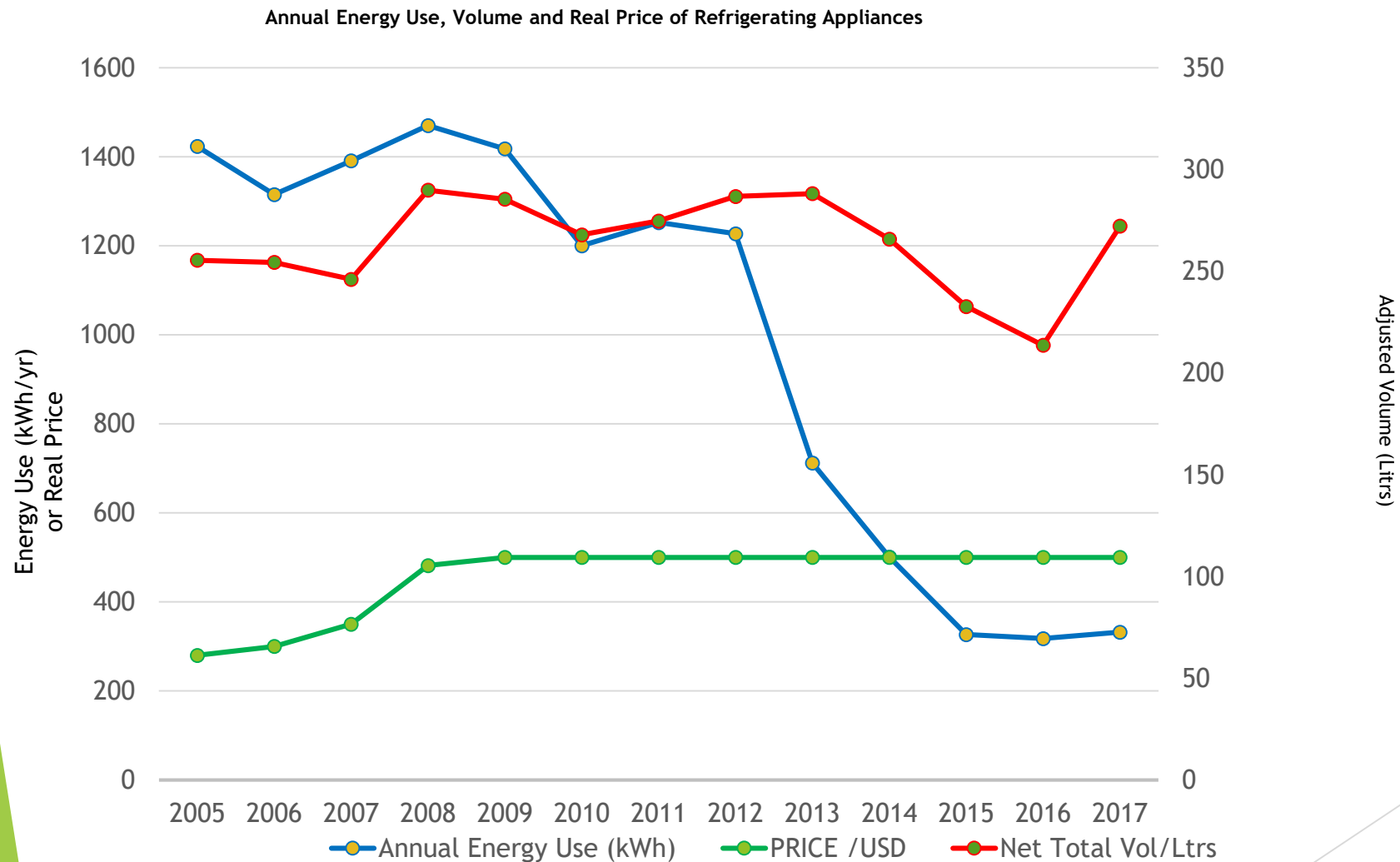
Electricity Access rate in Ghana from 2005-2016



- ▶ Distribution of 6m free CFLs in 2007
- ▶ Peak load Savings of 124MW
- ▶ Access grew by 2.44% and 2.10% in 2009 and 2010 respectively, mostly attributed to the savings made.
- ▶ Investment of US\$105m in generation capacity expansion was deferred to 2011
- ▶ A record access of 7.6% in 2014 mostly attributed to the savings of 400GWh/yr. from the energy **efficient refrigerating appliances** project.
- ▶ Two CFL assembly plants established employing about 100 people

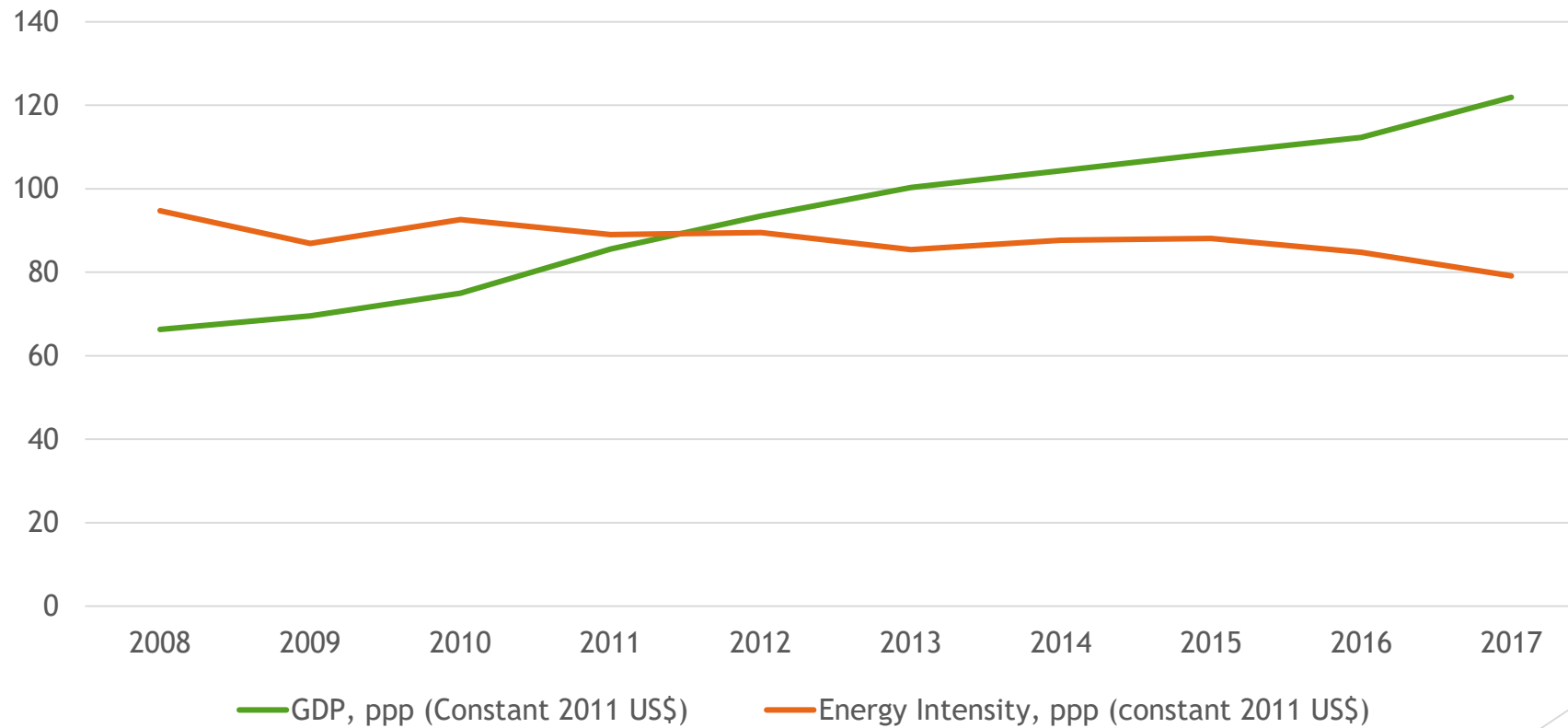
# Potential to enhance consumer welfare:

## *Declining energy consumption of refrigerators*



# Potential to reduce Energy Intensity

GDP, ppp (\$ billions) against Energy Intensity (toe/\$mil)



# Challenges & Recommendations

- ▶ Enforcement
- ▶ Institutional collaboration
- ▶ Test laboratories

## ▶ Recommendations

- ▶ National buy-in
- ▶ Well motivated staff who are fair and firm
- ▶ System leadership
- ▶ Reliance on existing international accredited laboratories

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the image, creating a modern, layered effect. The text 'Thank You' is centered on the left side of the image, set against a plain white background.

Thank You