



Energy efficiency in the time of Covid-19: supporting economic recovery in emerging Asia

13 October 2020

09:00 – 09:05	<p>Welcome, introduction</p> <p>- Moderator, Ms. Melanie Slade, Senior Programme Officer, IEA</p>
09:05 – 09:20	<p>What energy efficiency can offer economic recovery packages</p> <p>- Dr. Brian Motherway, Head of the Energy Efficiency Division, IEA</p>
09:20 – 09:30	<p>Energy Efficiency for an economic recovery in India</p> <p>- Mr. Abhay Bakre, Director General of the Bureau of Energy Efficiency, India</p>
09:30 – 09:40	<p>ASEAN’s Road to a Green Economic Recovery</p> <p>- Mr. Rio Jon Piter Silitonga, Sustainable Energy, Renewable Energy and Energy Efficiency Officer, ASEAN Centre for Energy</p>
09:40 – 09:50	<p>ESCOs for China’s Green Recovery</p> <p>- Ms. Lily Zhao, China Energy Conservation Association (EMCA)</p>
09:50 – 10:00	<p>Philippines: energy efficiency for job creation and economic stimulus</p> <p>- Mr. Alexander Ablaza, Asia-Pacific ESCO Industry Alliance</p>
10:00 – 10:25	<p>Panel discussion (Q&A)</p> <p>- Moderator, Ms. Melanie Slade, IEA</p>
10:25 – 10:30	<p>Wrap up</p> <p>- Moderator, Ms. Melanie Slade, IEA</p>



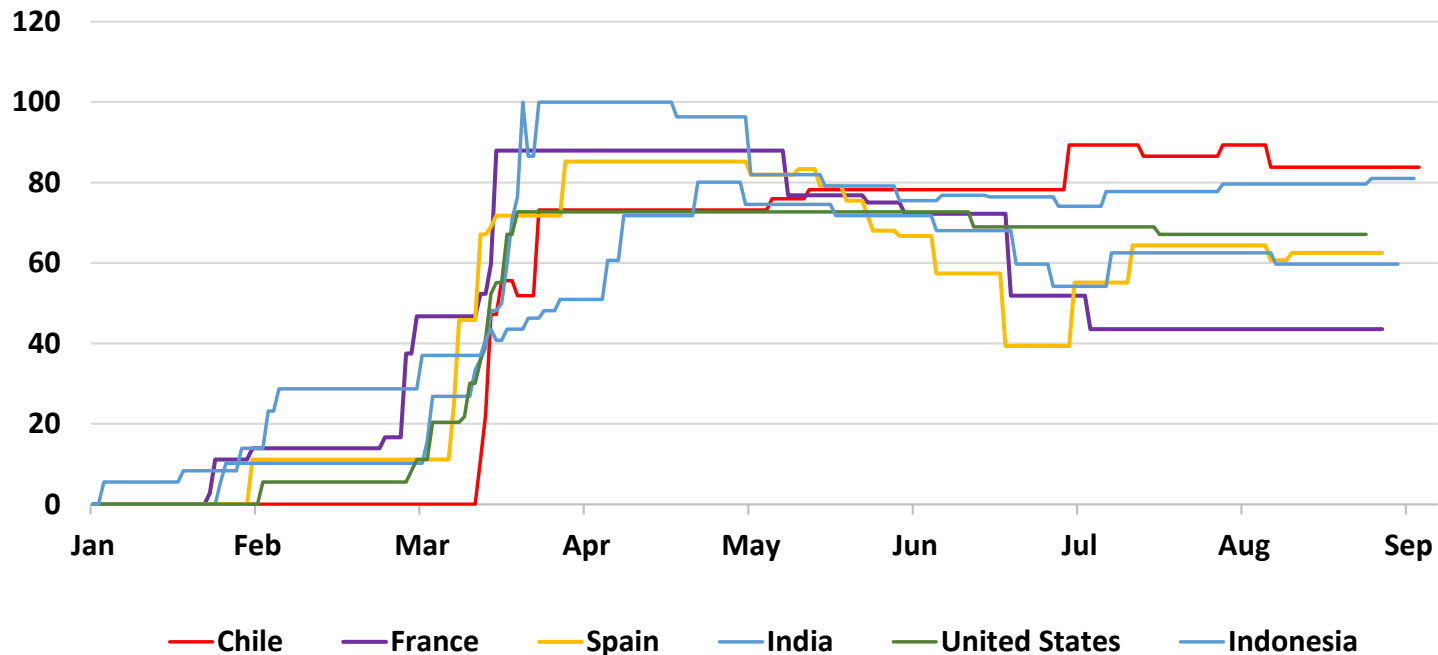
Energy efficiency and economic recovery

Dr Brian Motherway

Paris, 13 October 2020

 @BrianRMotherway

Stringency index of containment measures, 2020



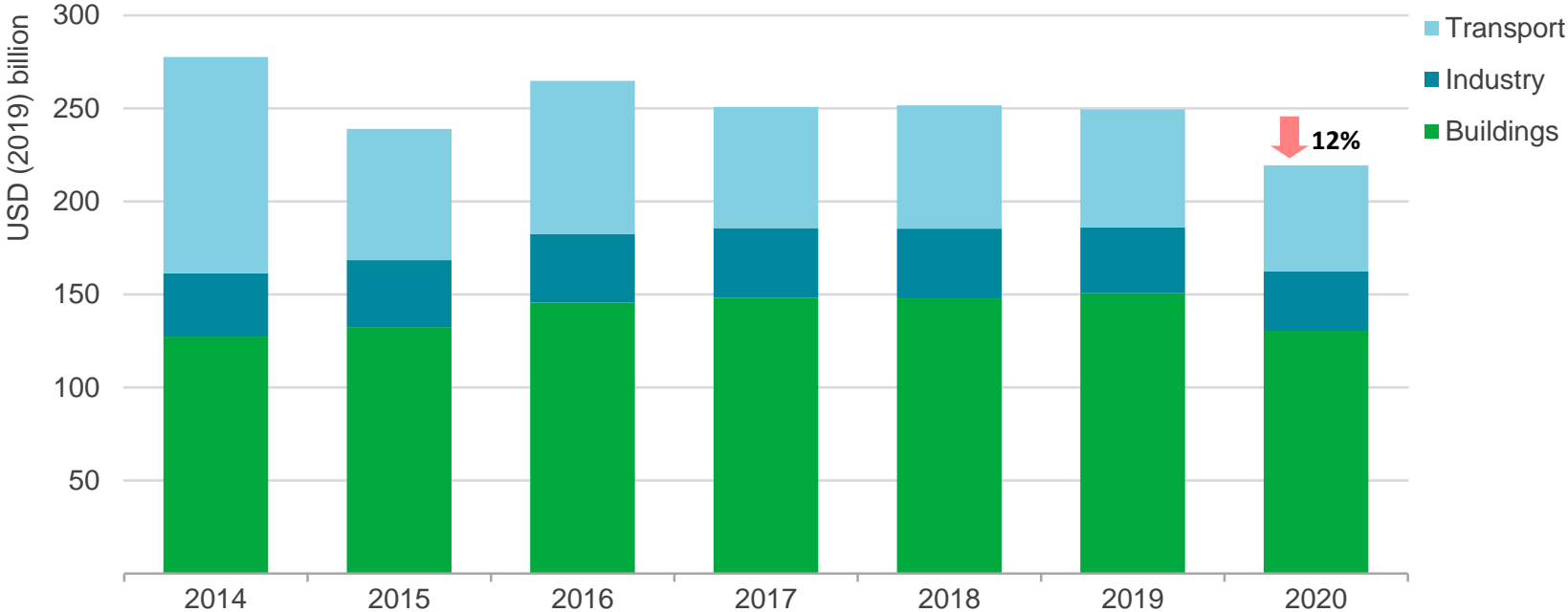
Source: Oxford Blavatnik School of Government

Stringency of containment measures is increasing again in several countries and cities.

EE investment is set to fall by 12% from stable levels in past years

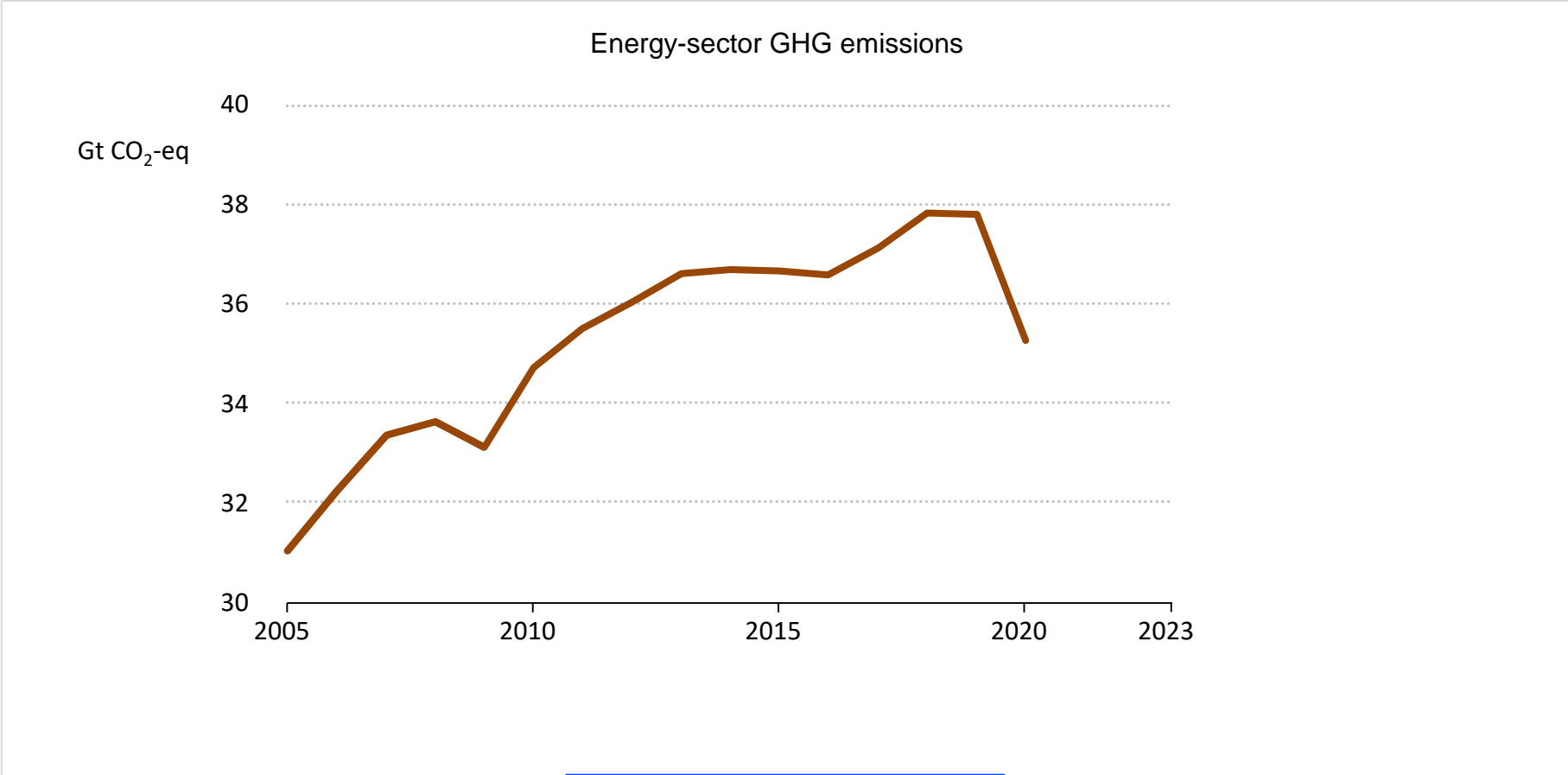


Global investment in energy efficiency by sector, 2014-2020

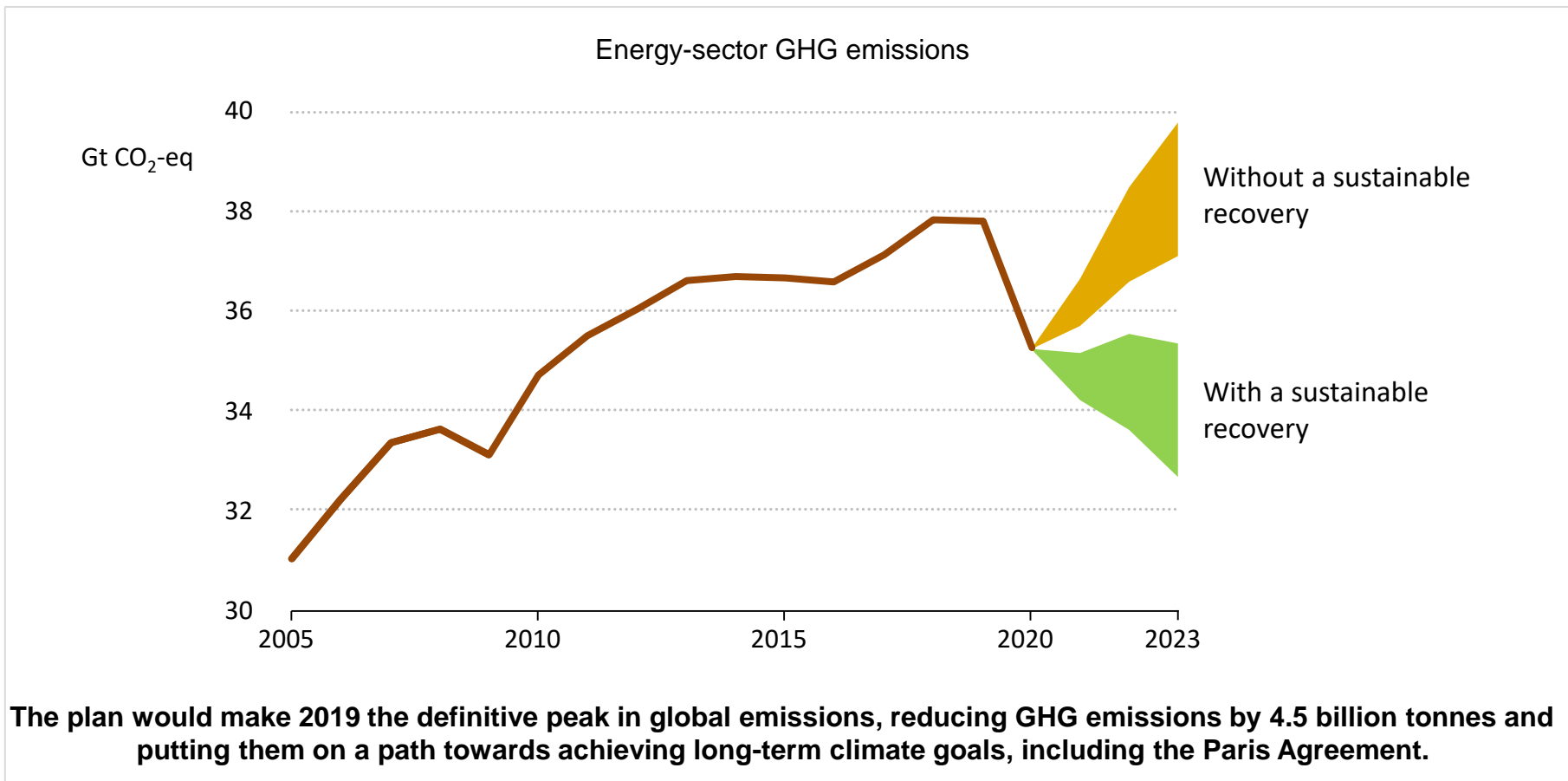


A recession could trigger spending cuts of over 10% in key sectors for energy efficiency spending this year, if the last economic crisis is a guide

Plotting the path of greenhouse gas emissions

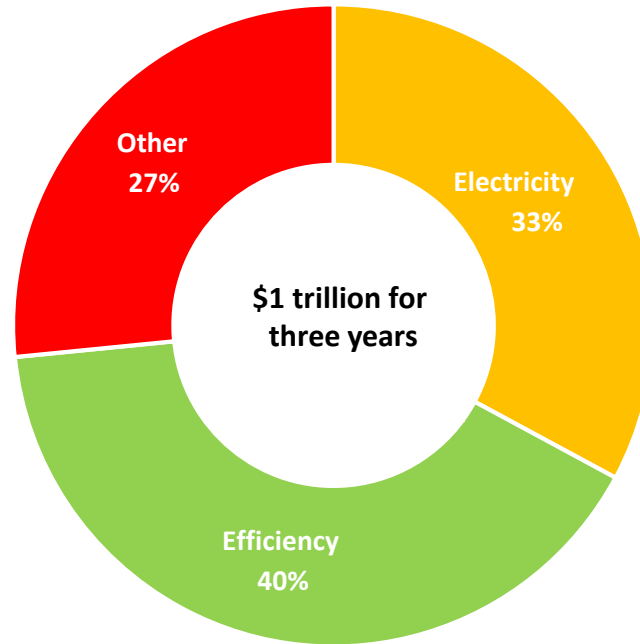


Plotting a sustainable recovery





The IEA Sustainable Recovery Plan provides an integrated approach to support economic recovery and jobs while improving the resilience & sustainability of the energy system.

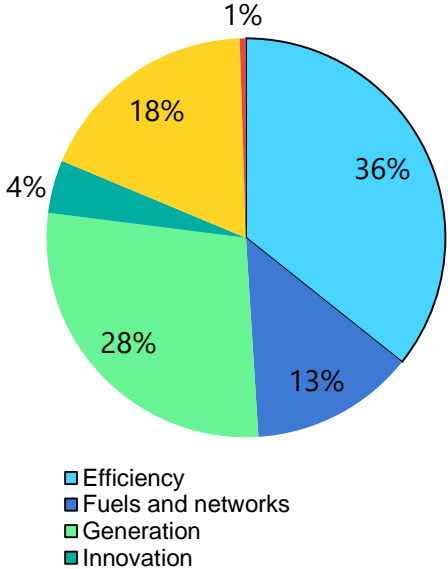
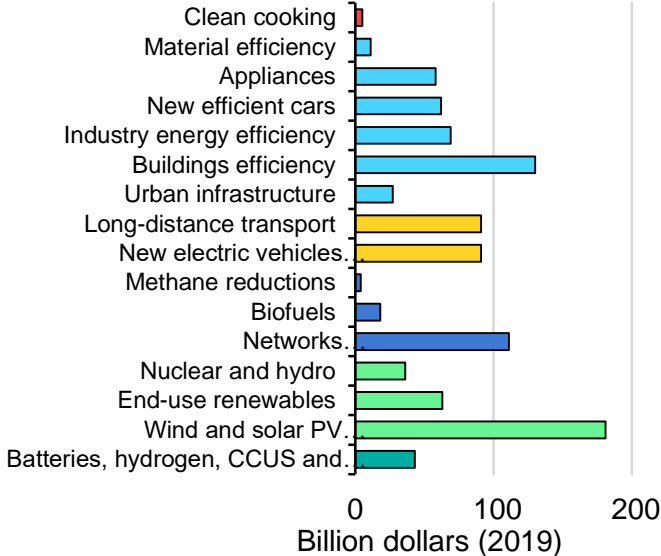


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Energy efficiency is a key element of a sustainable recovery



Average annual spending by category and measure (left), share of SRP investment by category (right)



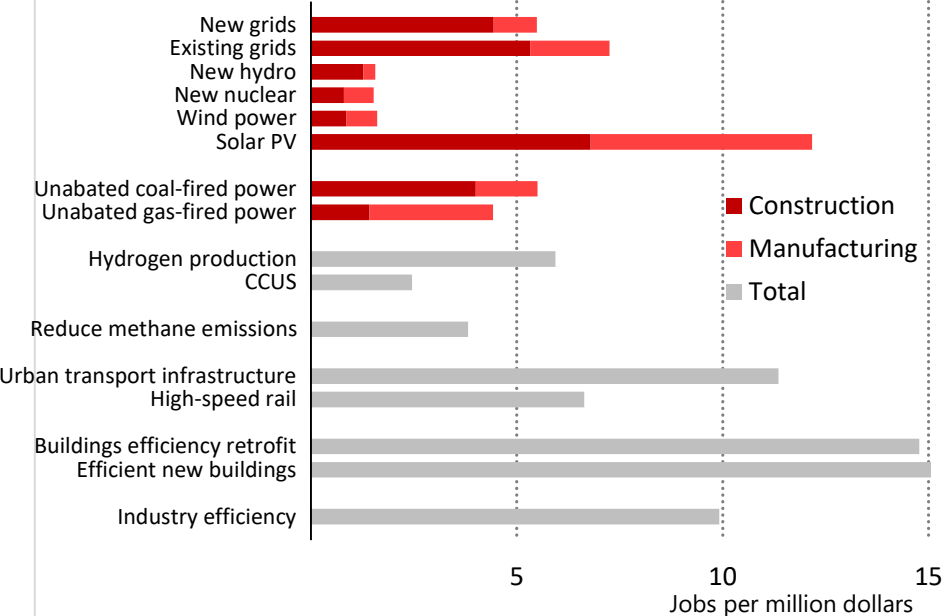
Energy efficiency measures comprise around 40% of the USD 1 trillion on average over each of the next three years to support a sustainable recovery

Energy efficiency is a job-creating machine

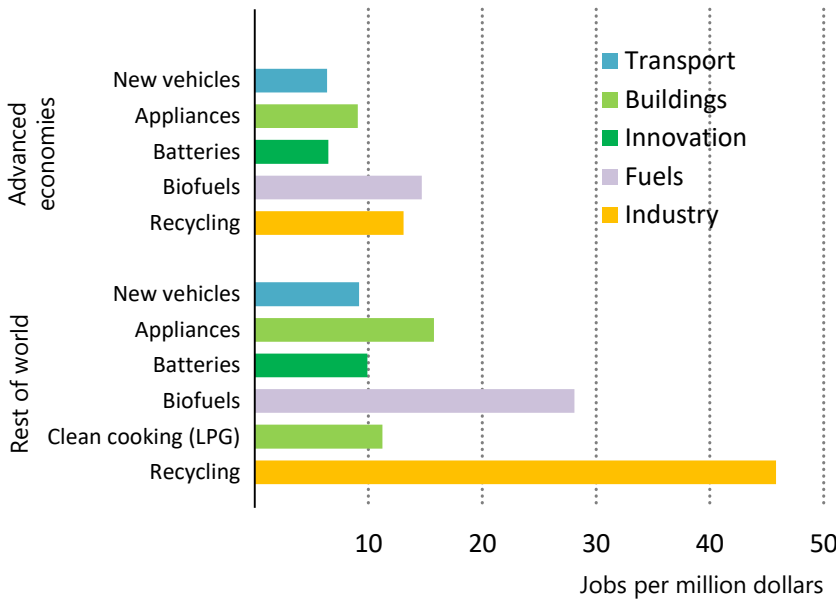


Jobs created per million dollars of capital investment and spending by measure

Per million dollars of capital investment



Per million dollars of spending



Efficiency and solar PV create many jobs per unit of investment, with recycling and biofuels in developing and emerging markets. These align with other policymaker objectives for recovery.

Efficiency brings benefits to all levels of the economy

USD 700 billion

Avoided energy imports in the EU, China and India

USD 600 billion

Avoided energy expenditure in industry

USD 550 billion

Avoided household energy spending

Potential global benefits of energy efficiency by 2040

The world can double its efficiency in the next two decades using technologies that are already cost-effective

- **Consider ‘shovel-ready’ options**
 - Projects that can mobilise quickly, e.g. upgrading schools and offices
- **Leverage existing programmes**
 - Use administration, contracts, guidelines and delivery partners for faster impact
- **Standardise**
 - Contracts, designs, approved technologies
- **Set the right level of ambition**
 - Efficiency requirements as high as possible while also considering uptake and delivery

- **Get the level of incentive right**
 - Driving uptake avoiding risks or boom-bust cycles.
- **Address regulatory barriers**
 - Use the opportunity to remove or simplify red-tape
- **Turn short-term impacts into long-term transformations**
 - Harness the investment from stimulus programmes to lock-in improvements

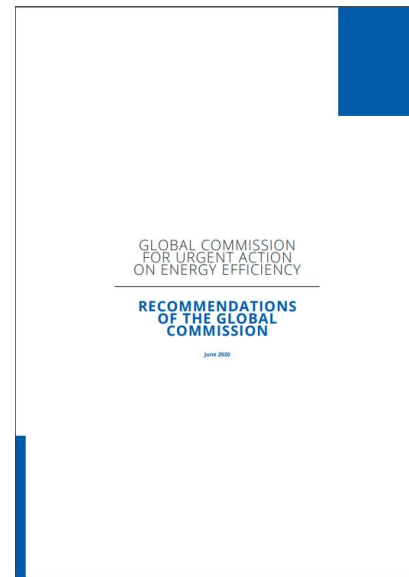
Global Commission for Urgent Action on Energy Efficiency



The commission has **23 members** and is composed of national leaders, current and former ministers, top business executives and global thought leaders.

Recommendations of the global commission

1. Prioritise cross-cutting energy efficiency action for its economic, social and environmental benefits
2. Act to unlock efficiency's job creation potential
3. Create greater demand for energy efficiency solutions
4. Focus on finance in the wider context of scaling up action
5. Leverage digital innovation to enhance system-wide efficiency
6. The public sector should lead by example
7. Engage all parts of society
8. Leverage behavioural insights for more effective policy
9. Strengthen international collaboration
10. Raise global energy efficiency ambition



- **ASEAN:**

- ASEAN Roadmaps for Buildings and for Space Cooling
- Southeast Asia Energy Efficiency Training Programme

- **India:**

- Energy efficiency measures for a sustainable economic recovery
- Roadmap for mainstreaming energy efficiency in residential buildings
- Policy package for unlocking the energy efficiency potential in the textiles industry
- Benchmarking of energy-intensive industrial sectors

- **China:**

- Trends in Energy Service Companies
- Multiple benefits of China's standard and labelling programme
- Digitalisation and its potential for energy efficiency

- **Global:**

- International collaboration on product efficiency standards

Commentary

Energy efficiency can boost economies quickly, with long-lasting benefits



By Brian Motherway and Michael Oppermann
8 April 2020

Article

Paving the way to recovery with utility-funded energy efficiency

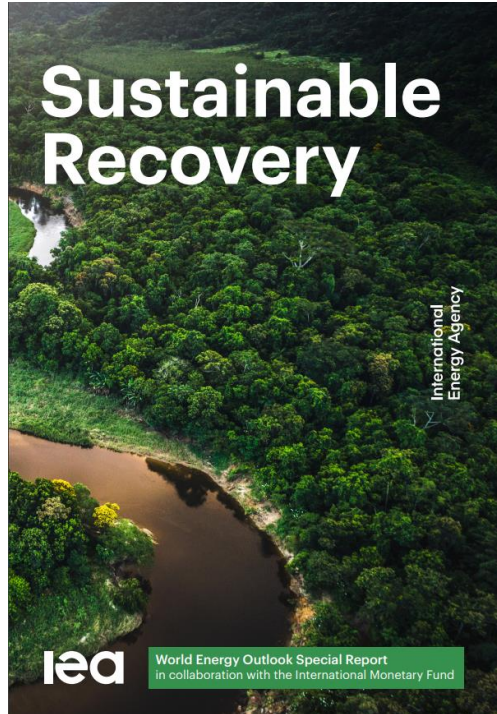
21 August 2020

Commentary

How appliances have supported a world in lockdown and what this means for energy efficiency



By Mafalda Silva and Kevin Lane
20 July 2020



<https://www.iea.org/topics/covid-19>

Commentary

Energy efficiency can again play a significant role in China's economic recovery



By Brian Motherway and Jihyun Selena Lee
31 July 2020

Article

Changes in transport behaviour during the Covid-19 crisis

What can we learn from the lessons of the past

27 May 2020

Commentary

As the Covid-19 crisis hammers the auto industry, electric cars remain a bright spot



By Timur Gül, Marine Gerner and Leonardo Paoli
18 May 2020



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Panel Discussion

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