



# Energy efficiency finance and investment 2019

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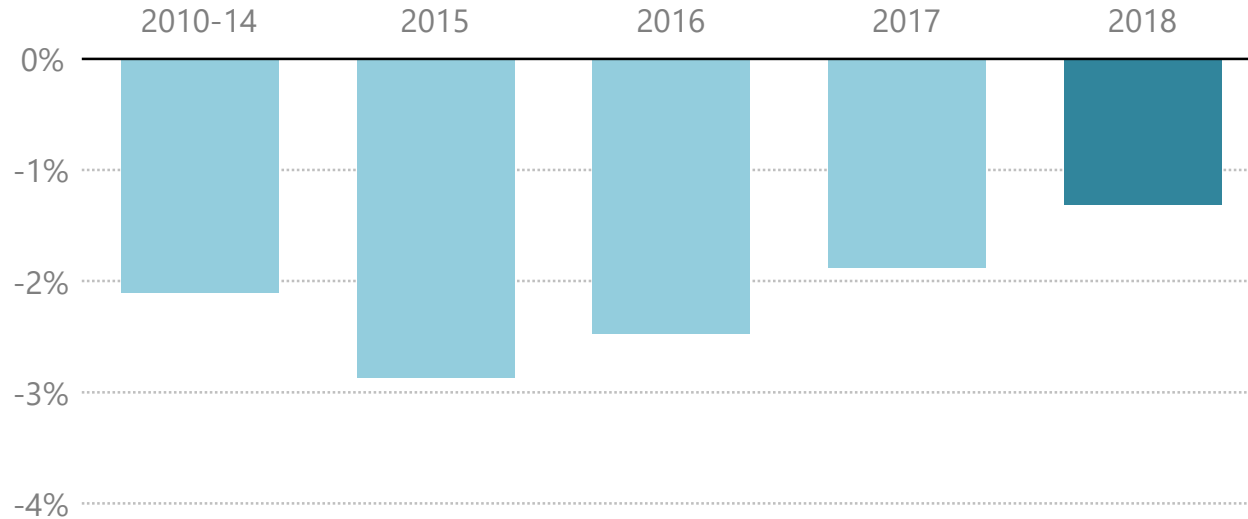
Keisuke Sadamori

Tokyo, 12 June 2019



# Efficiency improvements slowed again in 2018

Average annual change in primary energy intensity, 2010-18

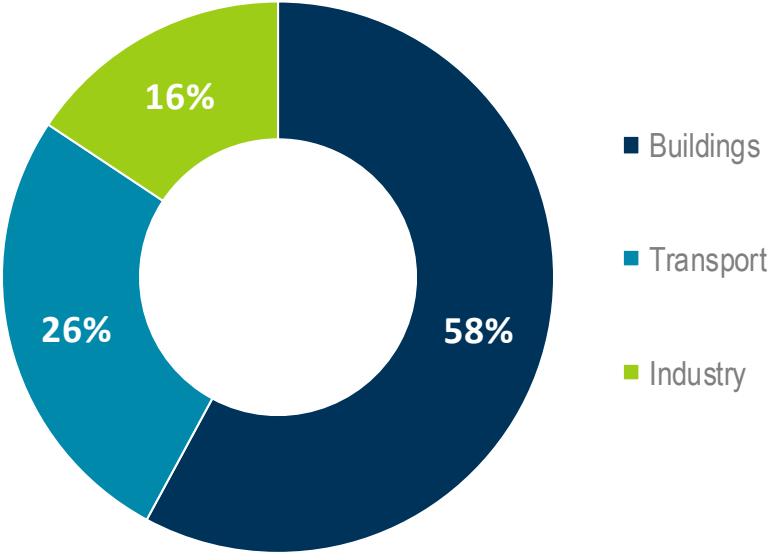


**In 2018 energy intensity improved by 1.3%, half the rate of the period 2014-2017. Weaker energy efficiency policy implementation and strong demand growth in more energy intensive economies contributed to this slowdown.**

# Buildings continue to dominate energy efficiency investment



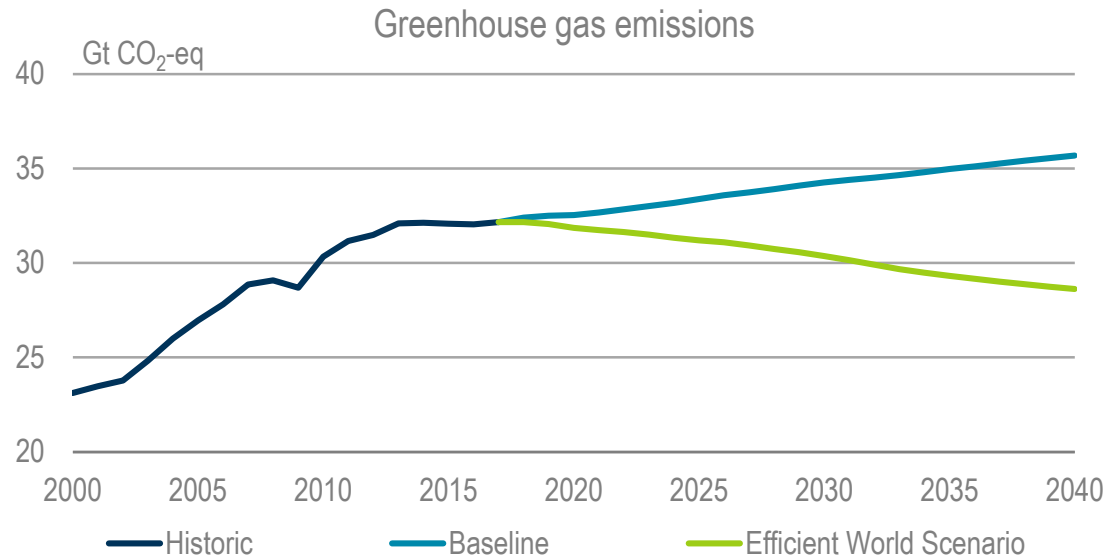
Energy efficiency investment, by sector, 2018



**The buildings sector remains the largest source of energy efficiency investment in 2018. However, spending in the buildings sector has overall experienced a slowdown compared to previous years.**

# Efficiency can deliver immediate environmental benefits

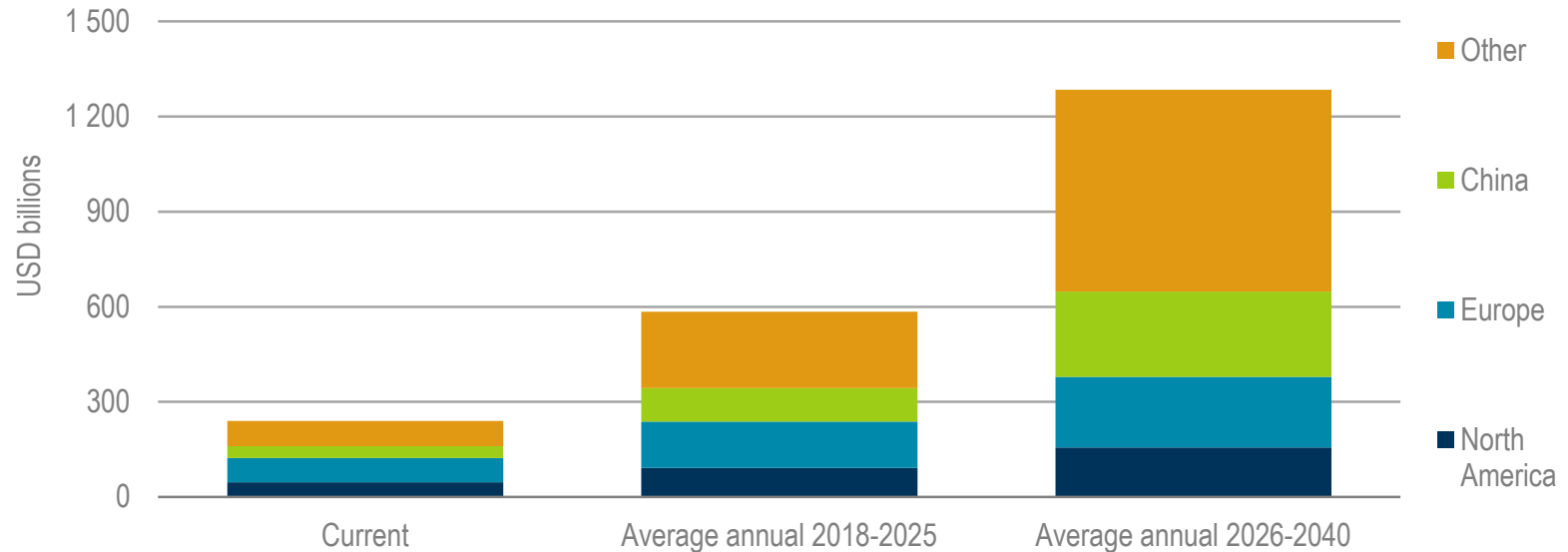
Greenhouse emissions in the NPS and EWS, 2000-40



**The EWS results in an early emissions peak and around 40% of the abatement required by 2040 to be in line with Paris targets. Energy efficiency is indispensable to achieving global climate targets.**

# Investment levels need to significantly rise

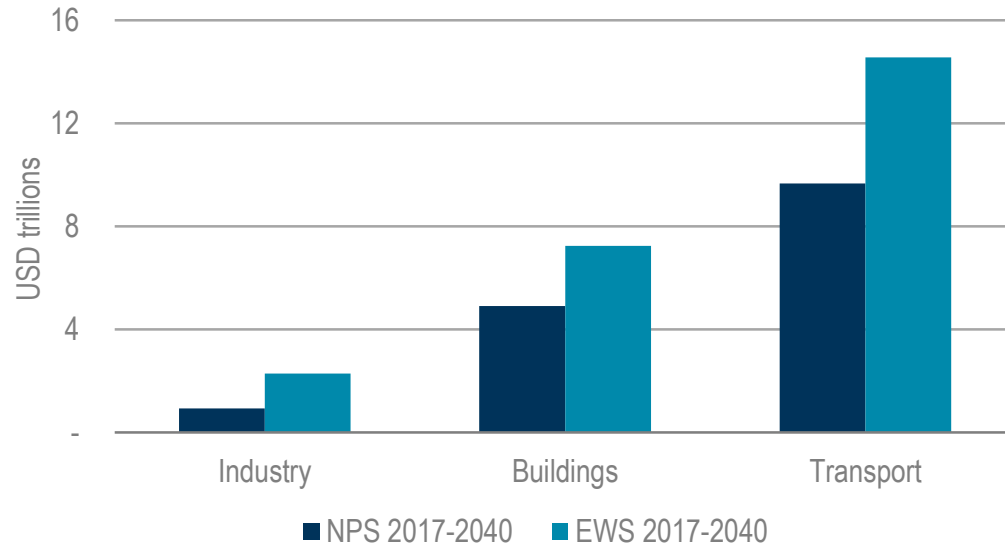
Annual energy efficiency investment in 2017 and in the Efficient World Scenario



**Annual energy efficiency investment must double to 2025 and then double again to 2040. Policy will need to facilitate finance and business model innovation to stimulate this investment.**

# Where investment needs to be focused

Cumulative energy efficiency investment in the EWS by sector (left) and compared to the NPS (right), 2017-2040



**To achieve the Efficient World Scenario (EWS), cumulative energy efficiency investment requires an additional USD 8.6 trillion by 2040, 55% higher than investment in the NPS.**

# Efficient World Financing Forum collaboration to scale up energy efficiency finance



- Two day event that will bring together Ministers, CEOs, the heads of international organisations and other leaders
- Opening by the Irish Prime Minister (Taoiseach), Mr Leo Varadkar
- Confirmed speakers include Energy Ministers from China, Hungary and Ukraine and the Executive Director of the Green Climate Fund, and CEOs of Enel X and BP, Alternative Energies
- Special session on Finance and Business Models including speakers from India, China, Saudi Arabia and Chile
- Expecting a global audience of more than 300 representing 50 countries







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