

Introduction to Energy Intensity in the APEC Region

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Outline

APEC's energy intensity goal

Progress towards goal

Impact of MEPS on energy intensity

APEC's energy intensity goal

APEC's Energy Intensity Goal

To reduce APEC's aggregate energy intensity by 45 percent by 2035 compared to 2005 levels

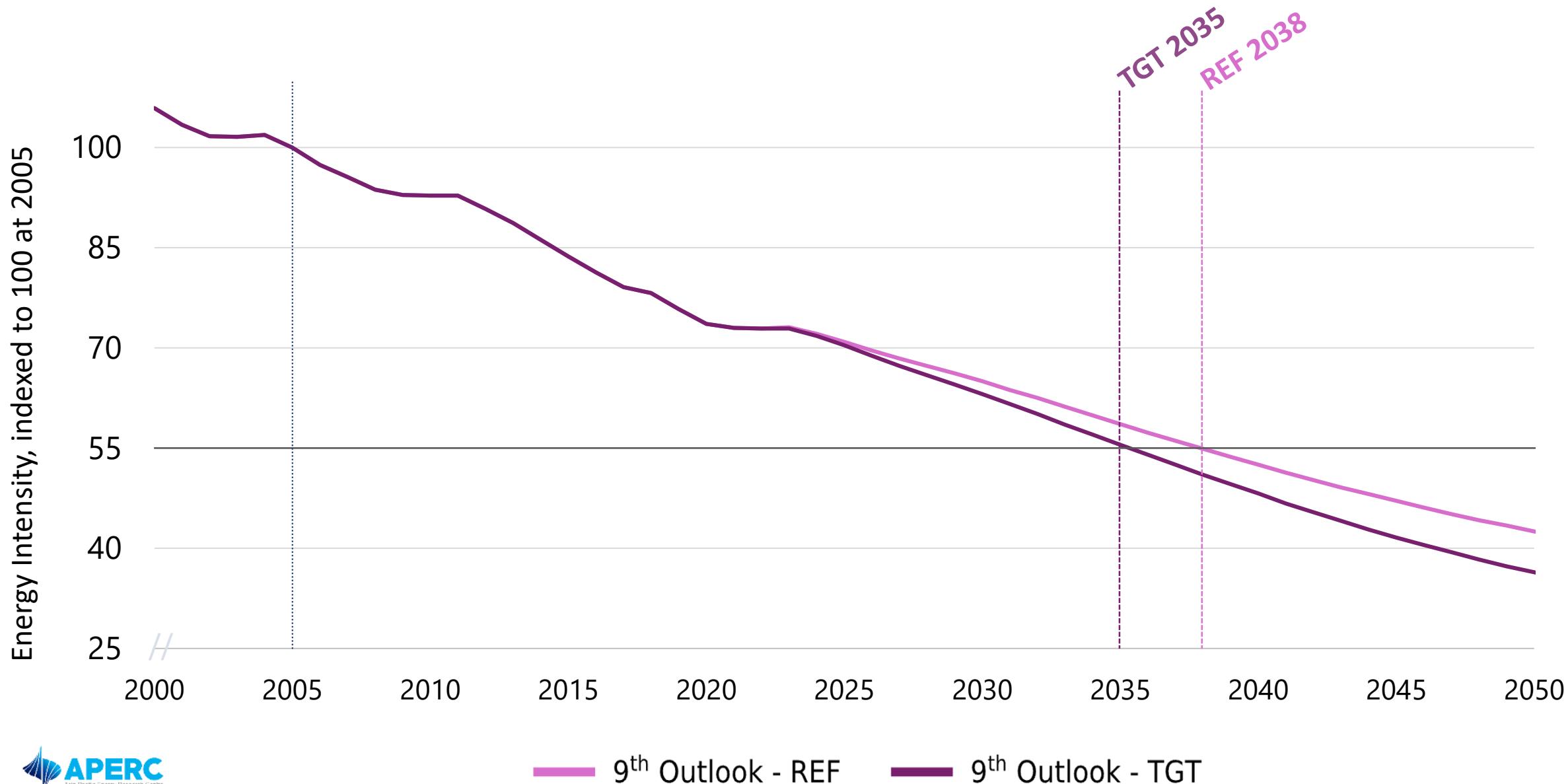
Progress towards goal

Declines in APEC's final energy intensity appear to be slowing

Annual change in APEC final energy intensity, 2006-2023

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2005-22
Change in Final Energy Consumption (FEC)	2.5%	3.5%	0.8%	-1.0%	5.6%	4.2%	1.9%	1.4%	0.8%	0.6%	0.5%	1.2%	2.8%	0.2%	-4.2%	4.6%	2.3%	2.6%	36.1%
Change in GDP (PPP, constant 2021 US dollars)	5.3%	5.5%	3.0%	-0.3%	5.7%	4.2%	4.2%	3.9%	3.8%	3.7%	3.4%	4.0%	4.1%	3.4%	-1.3%	6.2%	2.5%	3.8%	92.0%
Change in final energy consumption intensity	-2.7%	-1.9%	-2.1%	-0.7%	-0.1%	0.0%	-2.2%	-2.4%	-2.9%	-2.9%	-2.8%	-2.8%	-1.3%	-3.1%	-3.0%	-1.5%	-0.2%	-1.2%	-29.2%

In 9th edition of the Outlook, APEC is projected to reach the goal in TGT, but not in REF



Impact of MEPS on energy intensity

Impacts of introducing MEPS

- The relationship between **Minimum Energy Performance Standards (MEPS)** and **energy intensity** is **strong and direct** — MEPS are one of the key policy tools that **reduce energy intensity** across sectors.
- MEPS are designed to **remove inefficient equipment** from the market.
- MEPS are **not static regulations**, and regular updates allow them to keep pace with technological advancements and evolving market conditions.
- In economies where MEPS are implemented alongside energy labeling programs, **appliance energy consumption** has typically **decreased by approximately 30%**.
- Energy efficiency standards and labelling (EES&L) programs for appliances and equipment now operate in **more than 120 economies globally**.
- Implementing EES&L has delivered an approximately **15% reduction** in domestic electricity consumption in APEC economies with long-standing programs.



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