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What next for buildings?

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Modernising Energy Efficiency in Buildings



Source: IEA (2021), Net Zero by 2050, IEA, Paris https://www.iea.org/reports/net-zero-by-2050

Future Proofing Buildings

- Key policy recommendations of decarbonisation Roadmaps
 - Improve energy efficiency of building envelopes and appliances through a policy package approach (regulation, information, incentives)
 - Require state of art Building Energy Management Systems
 - Ensure use of on-site renewables and electric vehicle charging
 - Develop ways for distributed energy resources to interact with the grid commercially
 - Use digital technologies to increase electricity demand flexibility

Buildings Energy Efficiency Policy Package

2



- Building energy codes for new buildings and retrofits are essential to accelerate the transition to zero-carbon-ready buildings.
- Minimum energy efficiency requirements • for renovation help guarantee performance and accelerate the process of renovation through instruments such as the standardisation of services.
- **Regulations** ensure that buildings can become "demand response ready" to enable future flexibility.
- Smart interactive technologies can show real-time energy performance and help adjust occupants' behaviour.

disclosure programmes, one-stop shops for

upgrades and renovation passports.

- · Training and education programmes for building sector workers are important to ensure a suitably skilled work force.
- Public awareness campaigns designed to include behavioural insights encourage low-cost actions, such as thermostat adjustment.

- and developers to increase investment in energy efficient solutions.
- Expedited administrative procedures. including accelerated permitting, targeted at high performing new build or retrofit projects, encourage the implementation of energy efficient measures.
- · Award and recognition programmes encourage the development of highly energy efficient buildings.

Modernising energy efficiency in buildings





