

22 October 2021

Pumping Policy for a Heat Pump Transition

GSHPA Heat Pump Conference 2021

Dr Jan Rosenow
Director of European Programmes

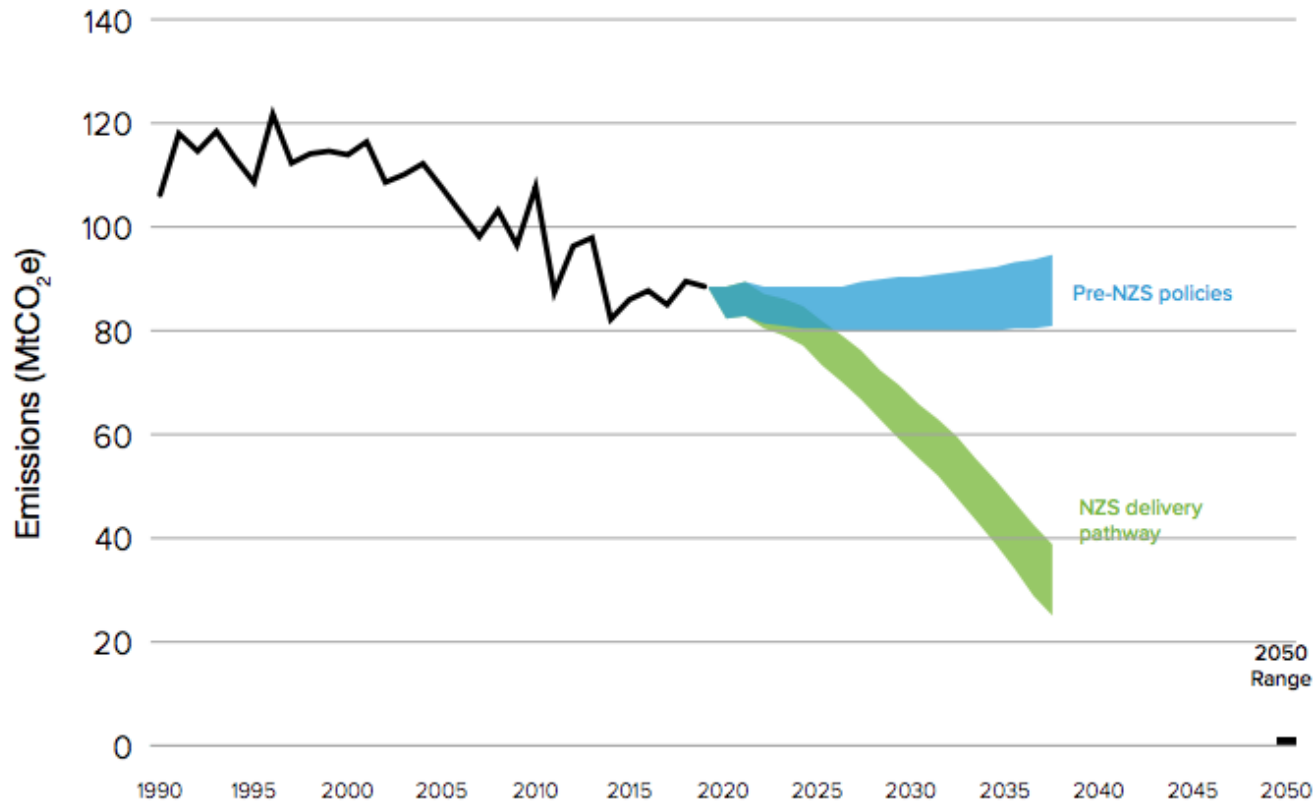
Rue de la Science 23
B-1040 Brussels
Belgium

+44 7722 343137
jrosenow@raponline.org
raponline.org

1 The heat pump challenge

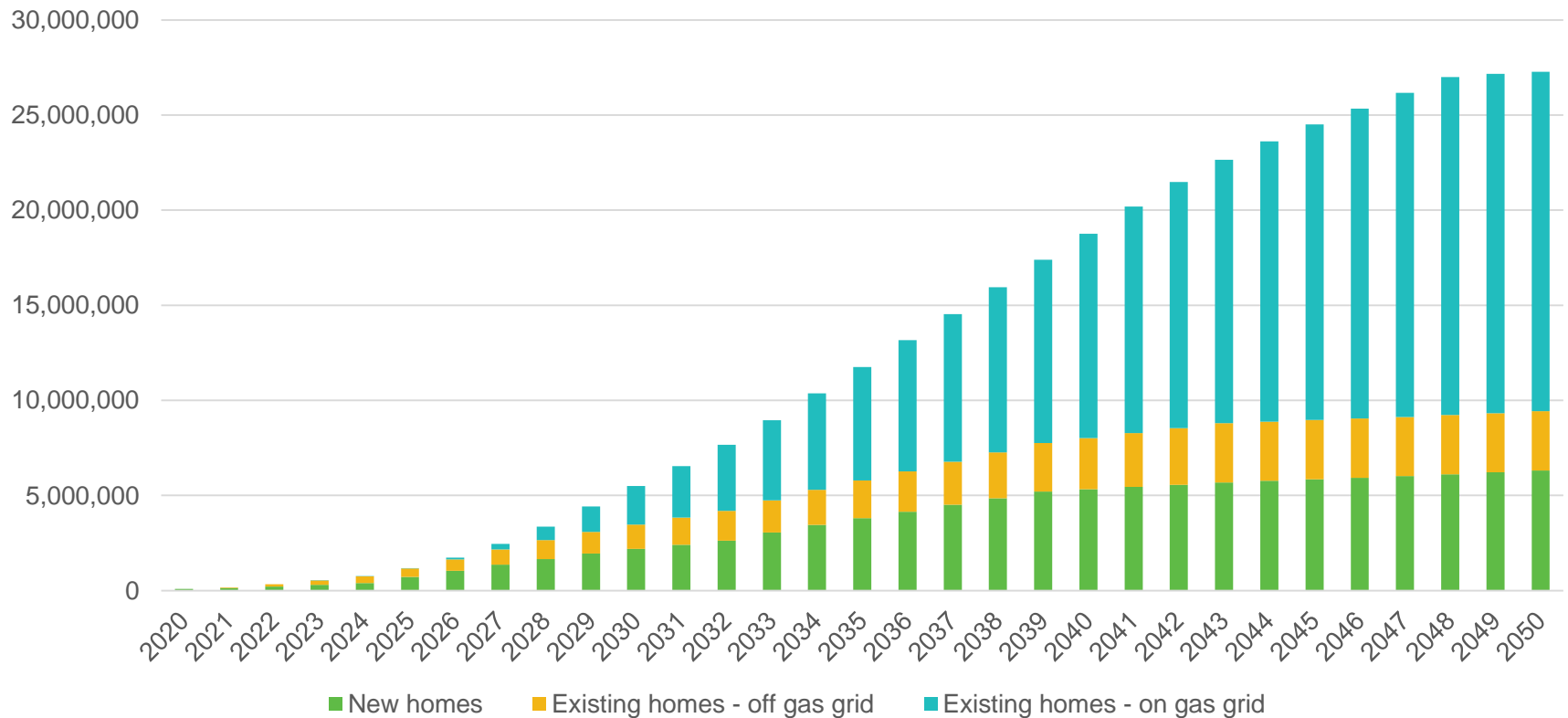


Carbon emissions from homes need to drop by 47-62% by 2035



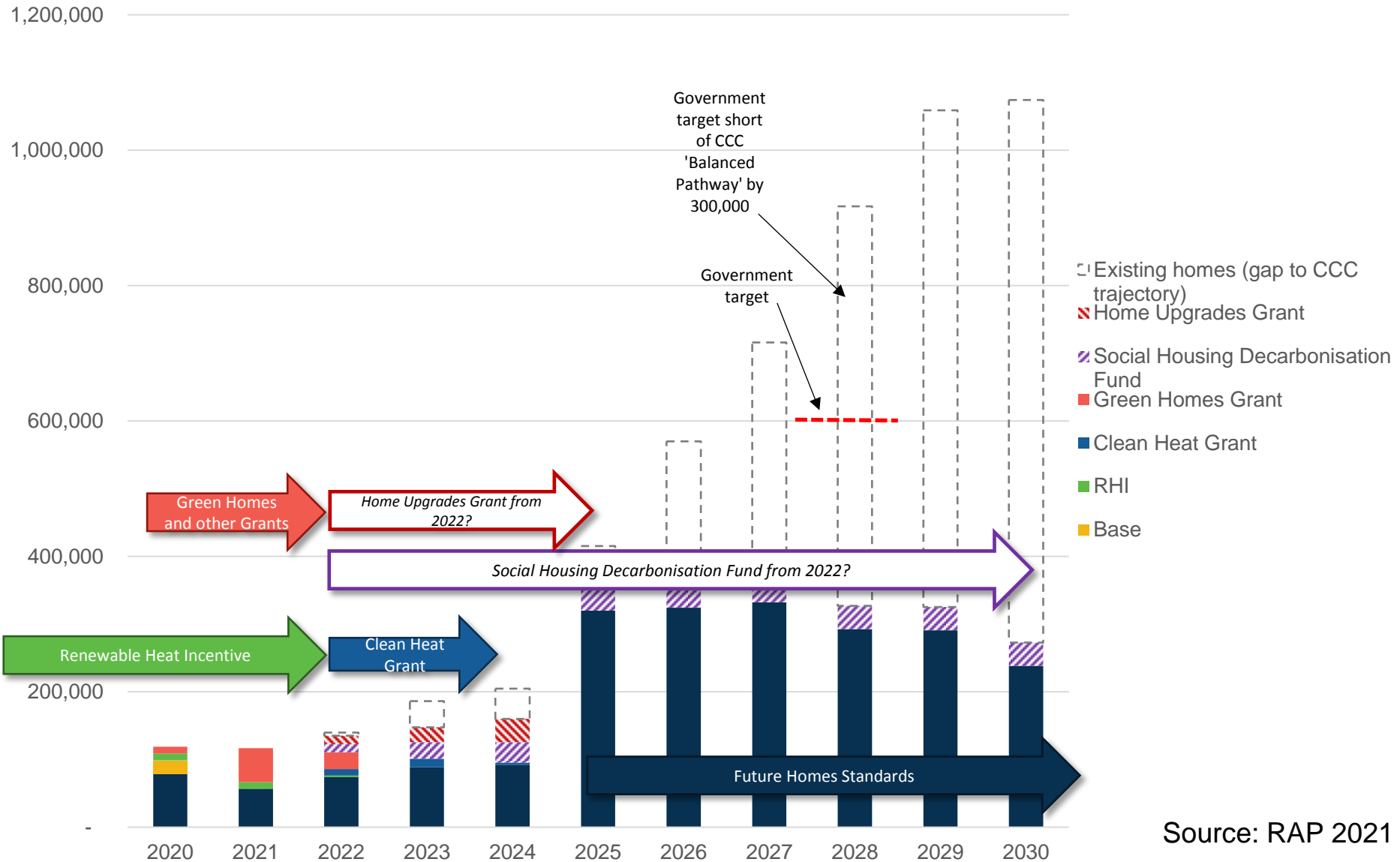
Source: Net Zero Strategy

Scale of change requires on-gas grid home conversion before 2030



Source: CCC 2020

Policy gap



Source: RAP 2021

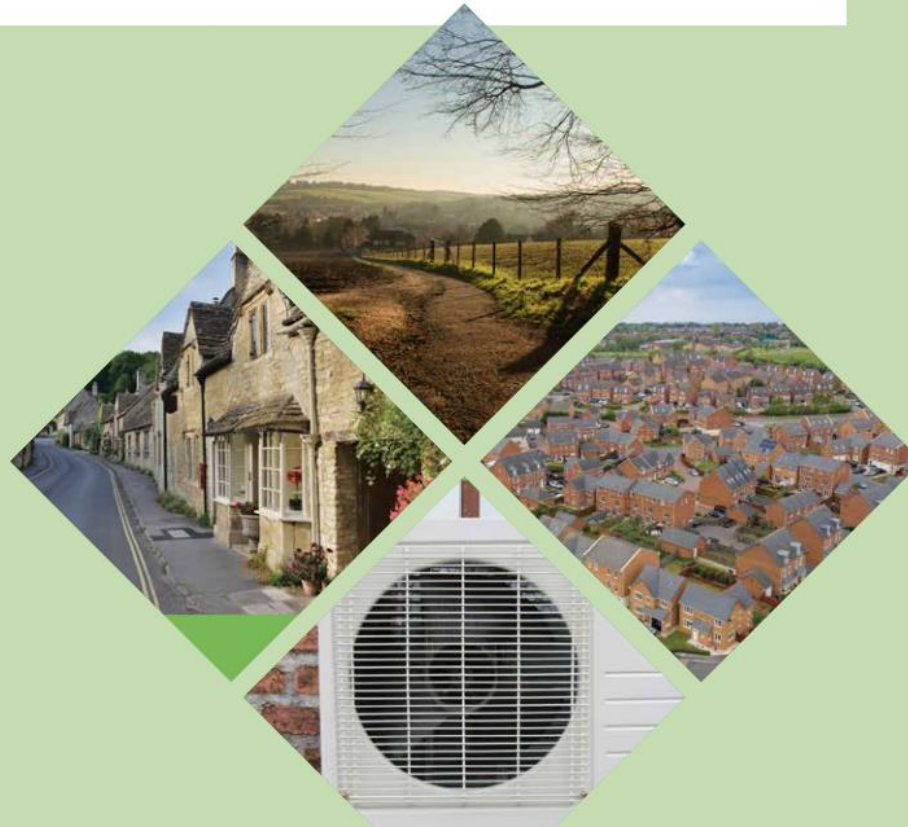
3 The way forward



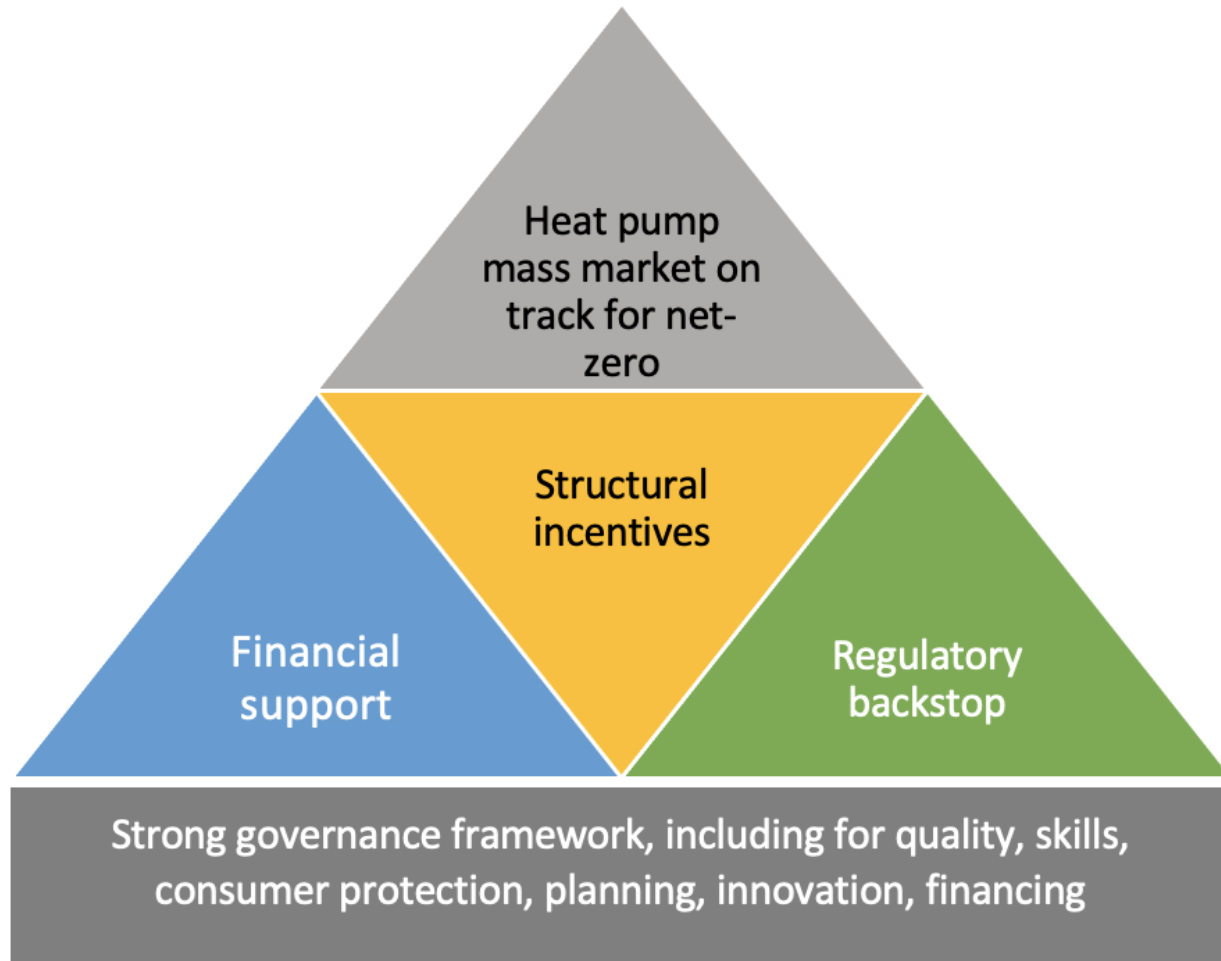
Getting on track to net zero

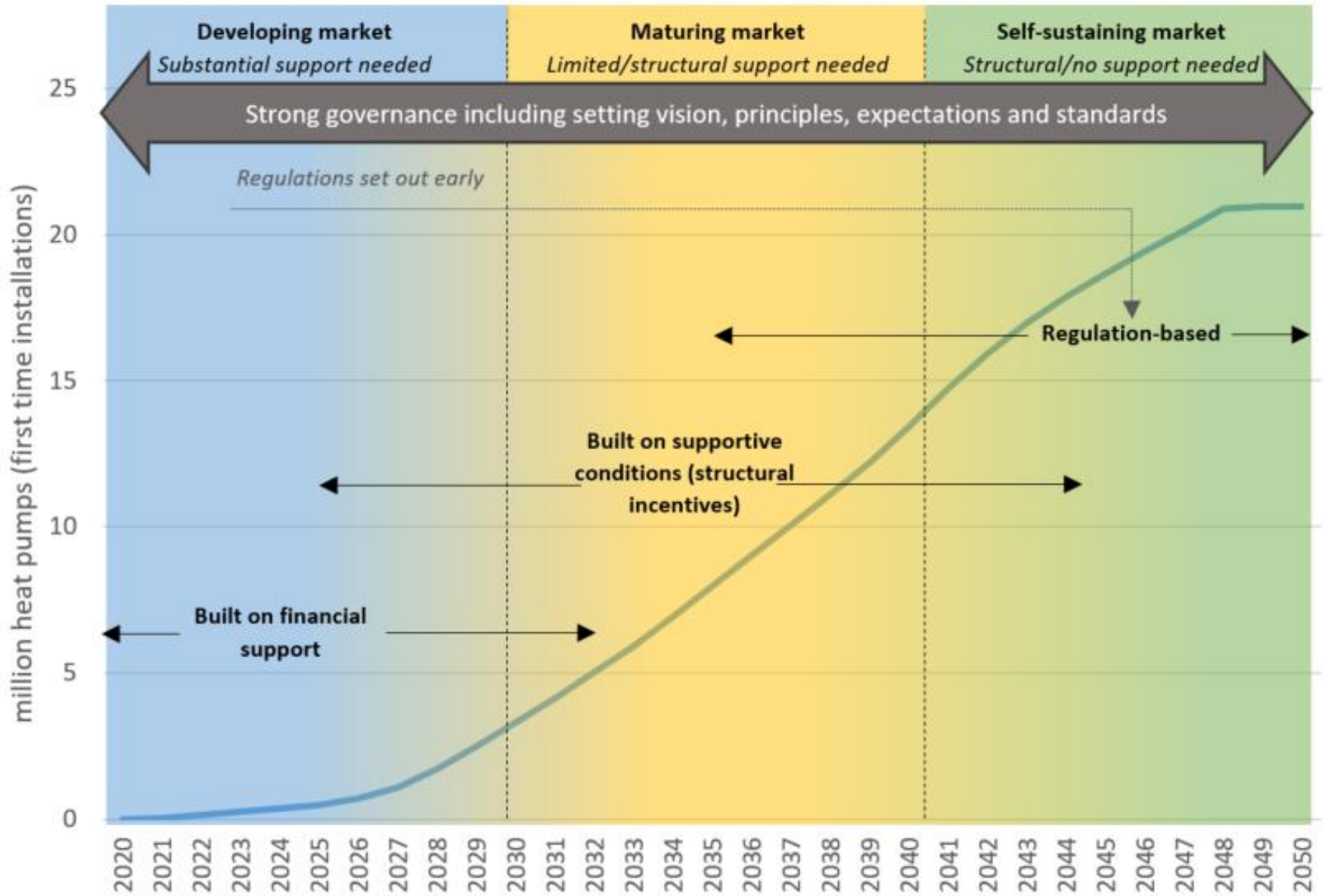
A policy package for a heat pump
mass market in the UK

by Richard Lowes, Jan Rosenow and Pedro Guertler

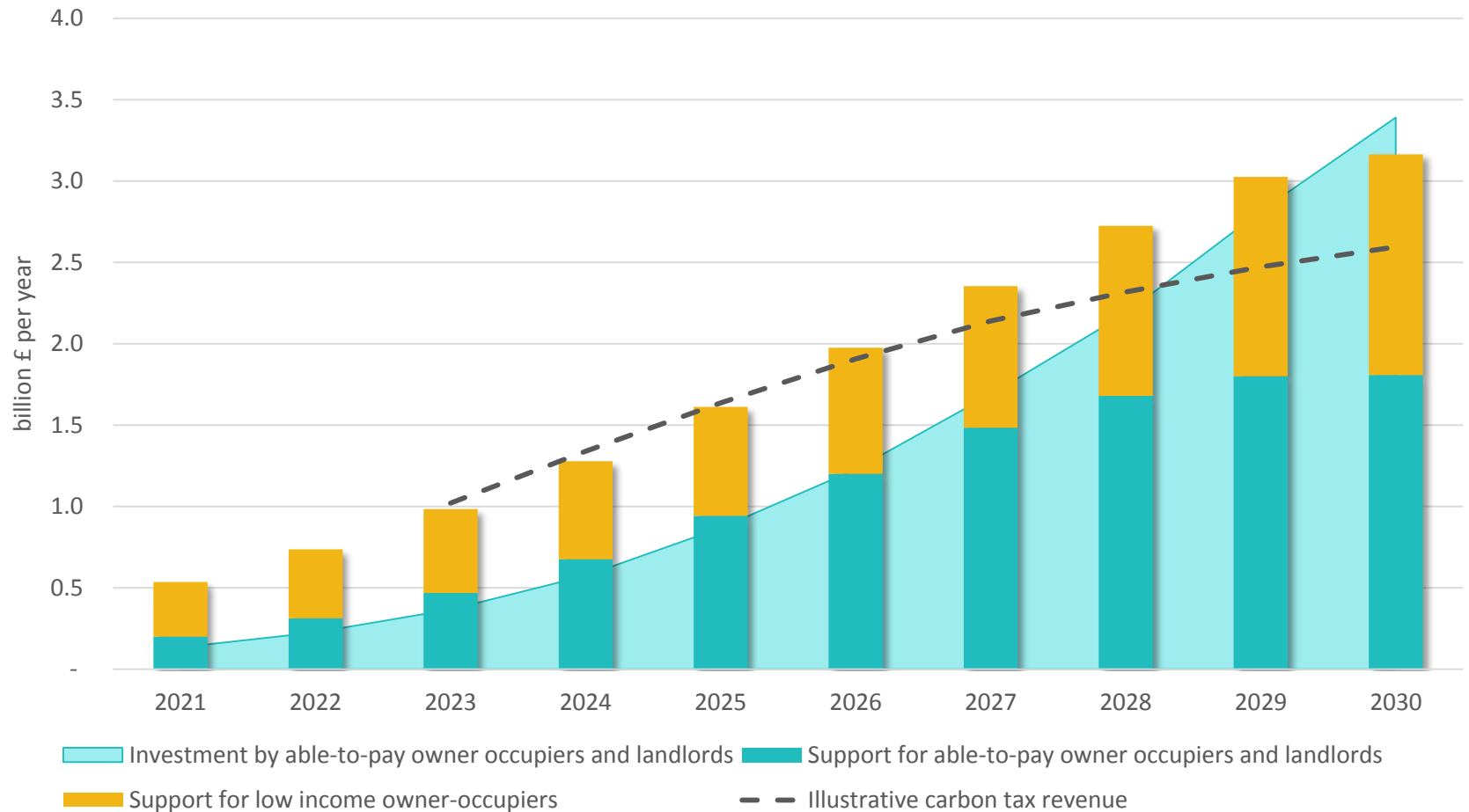


Our proposal





Financial support required



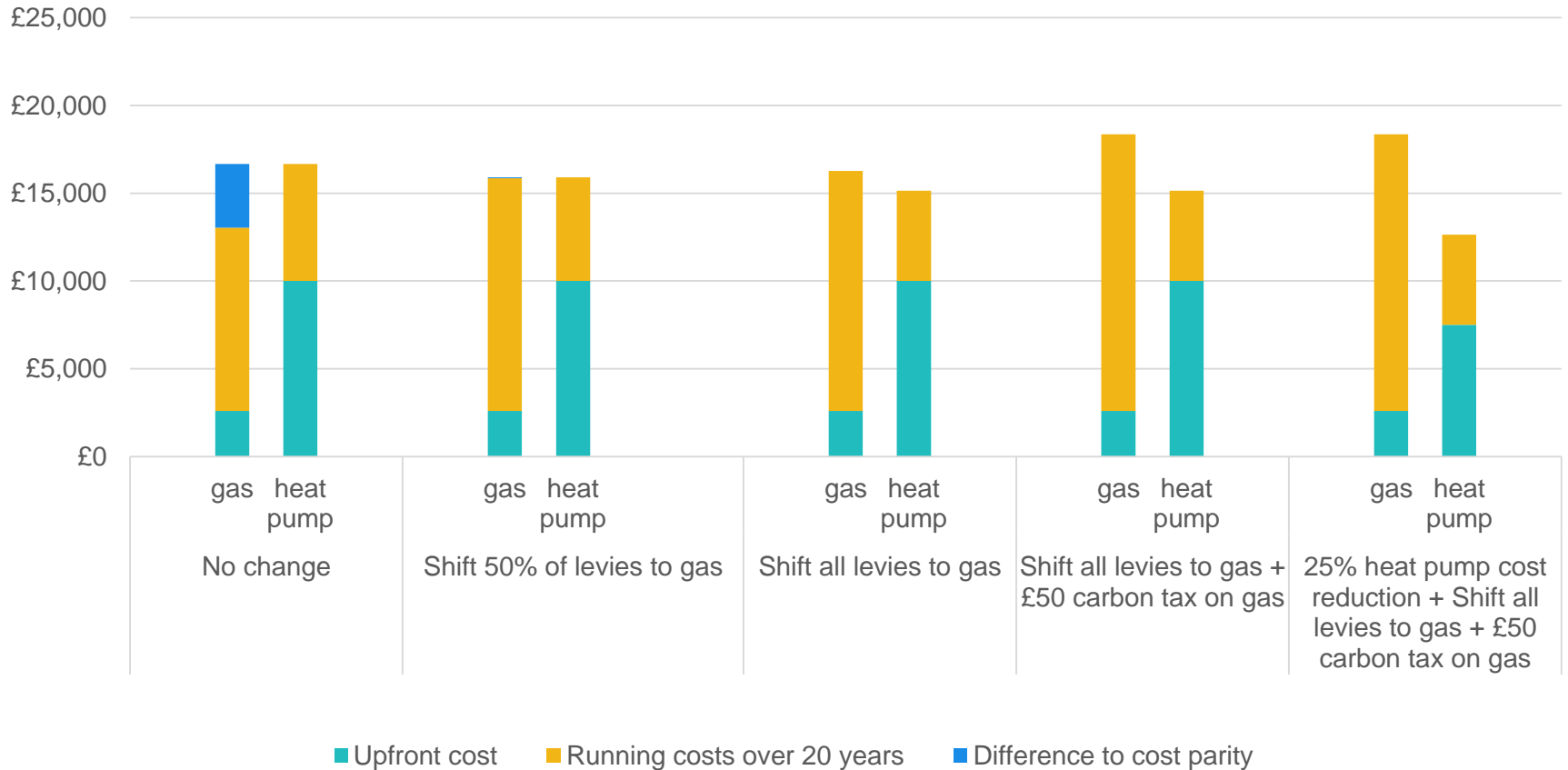
Structural incentives

Total cost of ownership (gas boiler vs heat pump system)

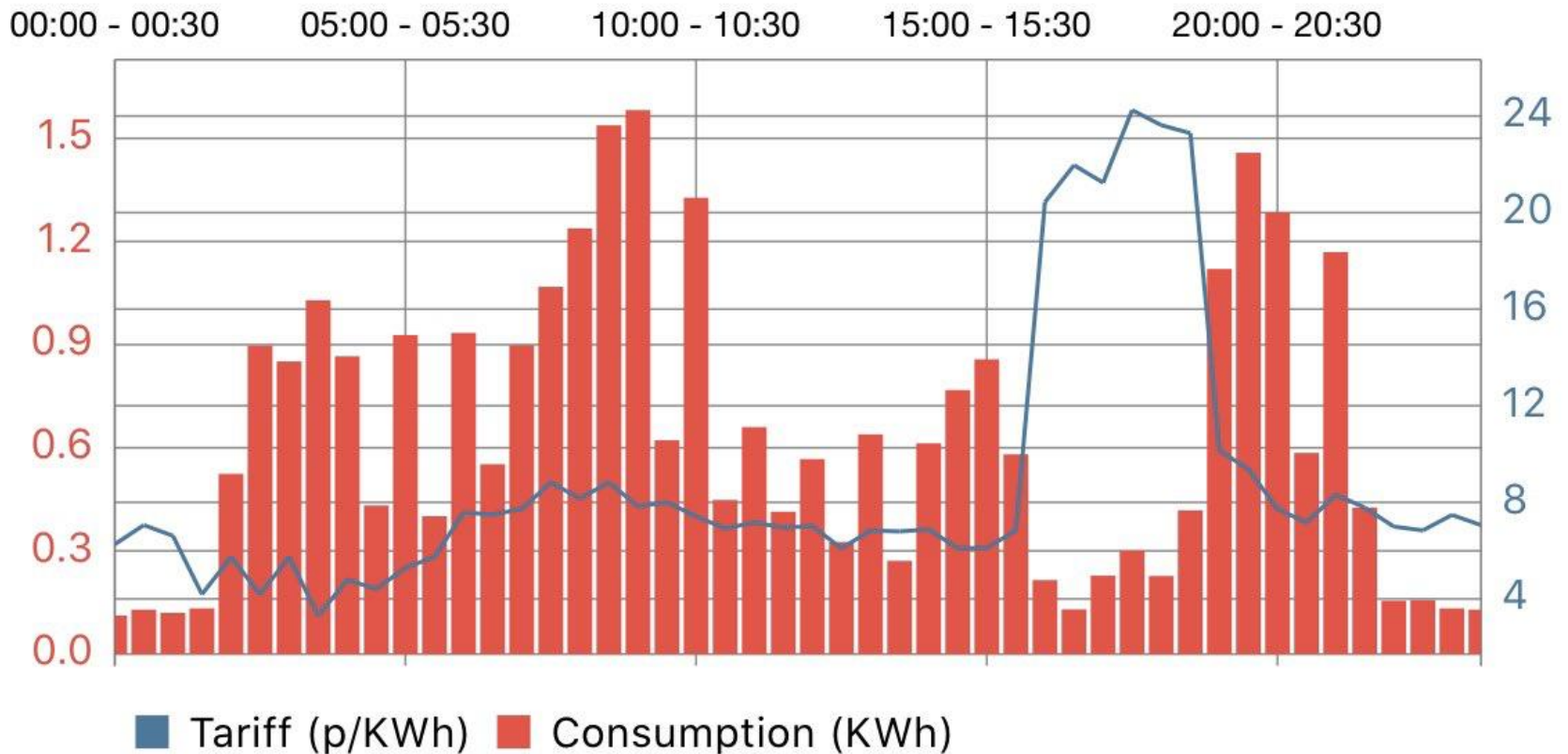


With Time of Use tariffs

Total cost of ownership (gas boiler vs heat pump system)



Real world example of time-varying tariffs



3 The Heat and Buildings Strategy



The good, the bad and the ugly

- Good: End-date for installing fossil heating (if confirmed through regulation)
- Good: Reform of electricity levies
- Potentially good: Manufacturer obligation
- 😞 Not so good: Modest levels of heat pump funding
- Bad: Still no properly-funded energy efficiency programme



About RAP

The Regulatory Assistance Project (RAP)® is an independent, non-partisan, non-governmental organization dedicated to accelerating the transition to a clean, reliable, and efficient energy future.

Learn more about our work at raponline.org



Dr Jan Rosenow
Director of European Programmes
The Regulatory Assistance Project (RAP)®

Rue de la Science 23
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jrosenow@raponline.org
raponline.org | janrosenow.com