

Data measurement: New technologies and approaches

# Improved measured performance in-use and assuring performance



ECOBUILD 2018

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REMOURBAN EU Horizon 2020  
Lighthouse project Nottingham Demo Site





# *‘Desirable, warm, affordable homes for life’*

The business case and potential for an Energiesprong approach in the UK



\_how does it work?



Performance-based procurement



Energy bundle for tenants



Whole-house solutions



Different offerings



Attractive net zero homes

# \_performance guarantees key to success



Survey and  
solution design



Monitoring and  
optimisation for  
next solution



Desirable net zero  
energy homes



Energy bundle  
for tenants

Performance  
guarantee



Performance  
and quality  
management



Whole-house solutions



# Nottingham City Homes – Creating 2050 Homes

Our starting point:



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City Council



Better living

and create.....

***'2050 homes':***

- Attractive neighbourhood and home designs
- Warm homes with hot water & typical small power electric for £320pa (guaranteed)
- Noise / overheating / indoor air quality requirements
- Householders insitu
- Responding to tenant wish list
- Maximum 20 days tenant 'disruption'



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# Challenges.....



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Better living





2020 Homes - Rustridge Street View



2020 Homes - Rustridge Street View



2020 Homes - Rustridge Street View



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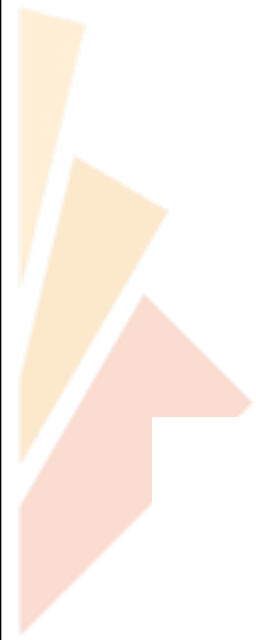


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Better living









18/03/2018



18/03/2018

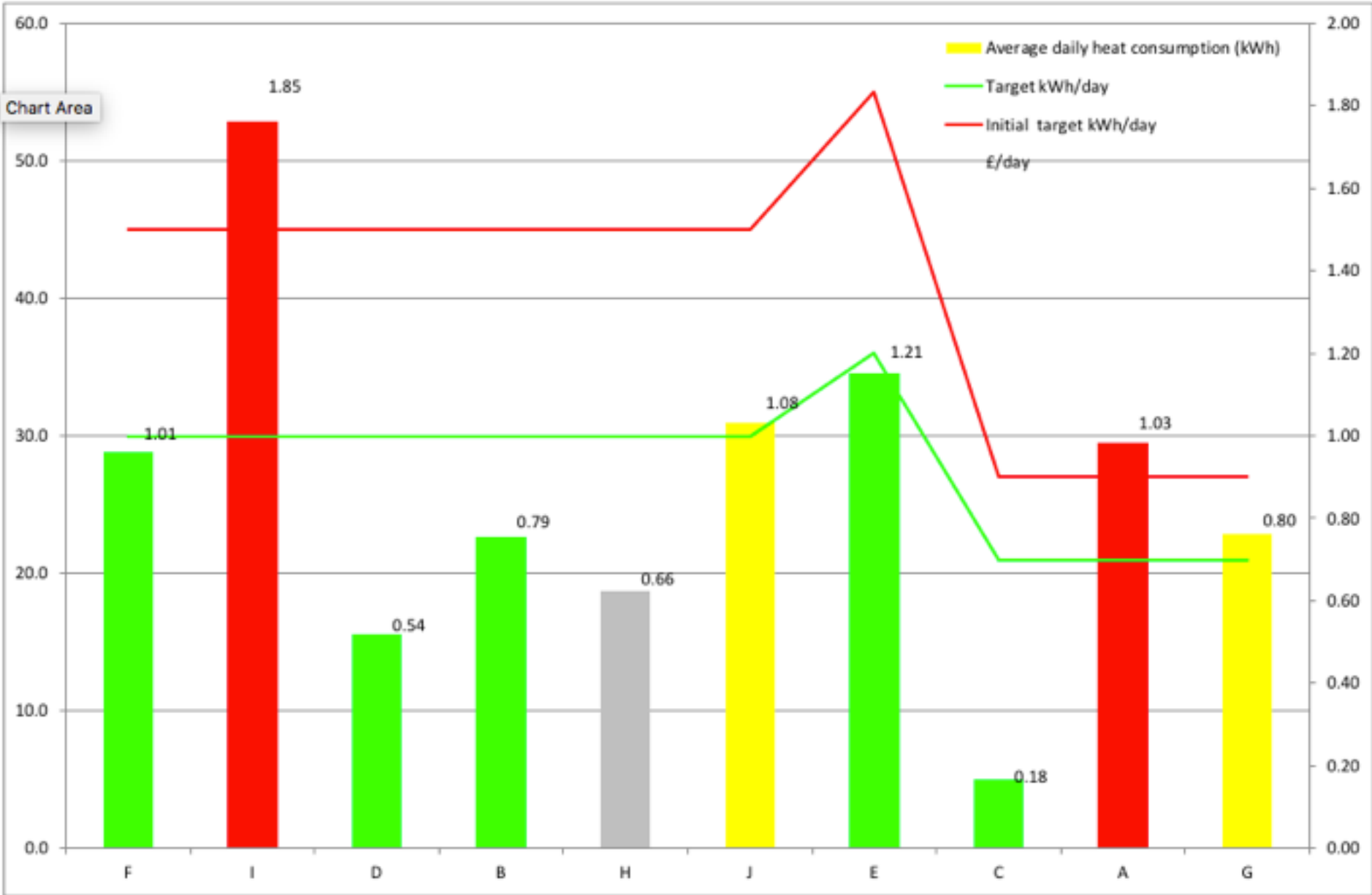




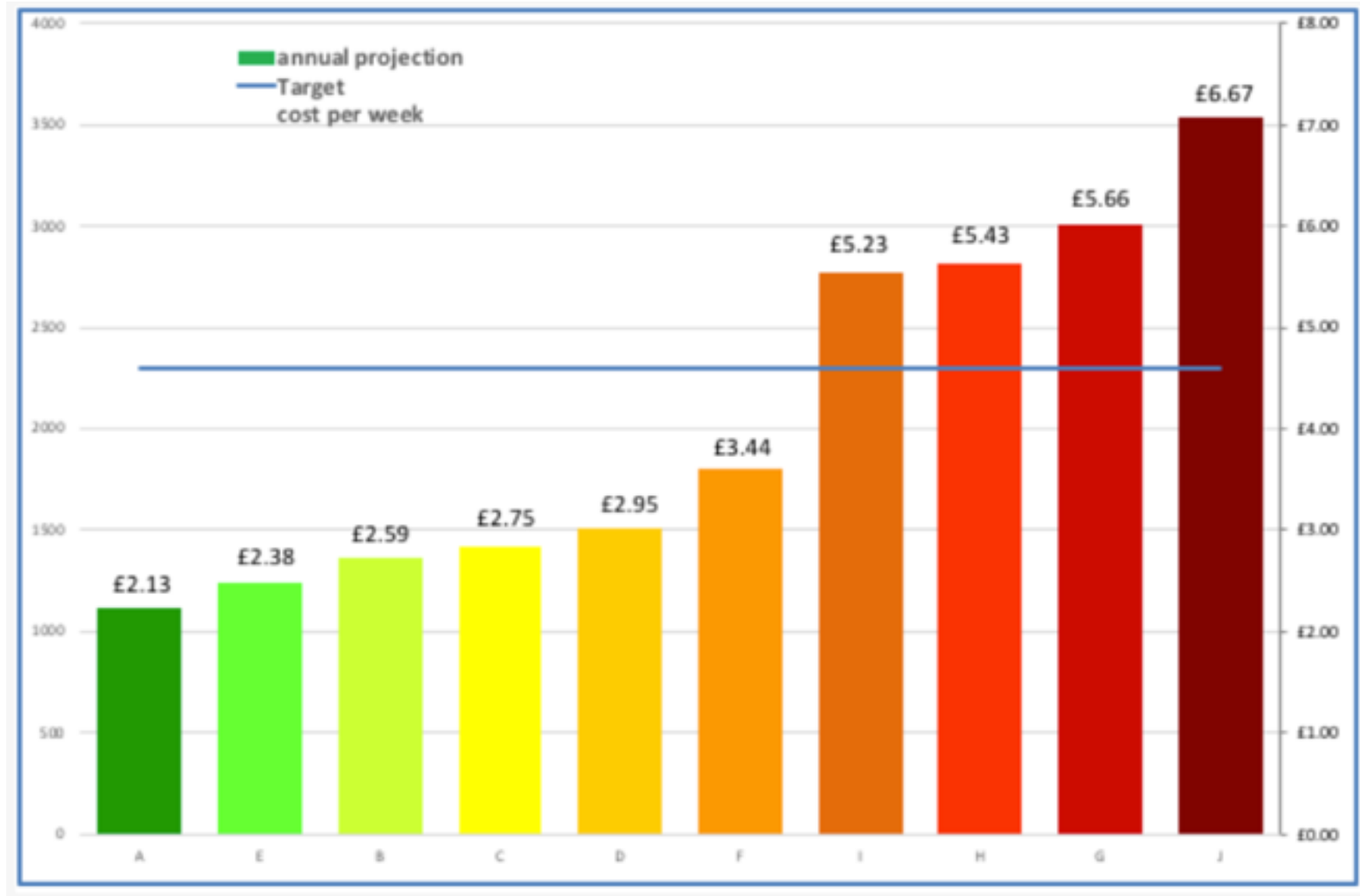




# Heating and hot water performance – Feb 18 (not normalised)



# Total electricity performance — (single typical week in Feb 18)



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