



# NABERS & Australian building sustainability

Carlos Flores, NABERS National Program Manager



NABERS is a national initiative managed  
by the New South Wales Government

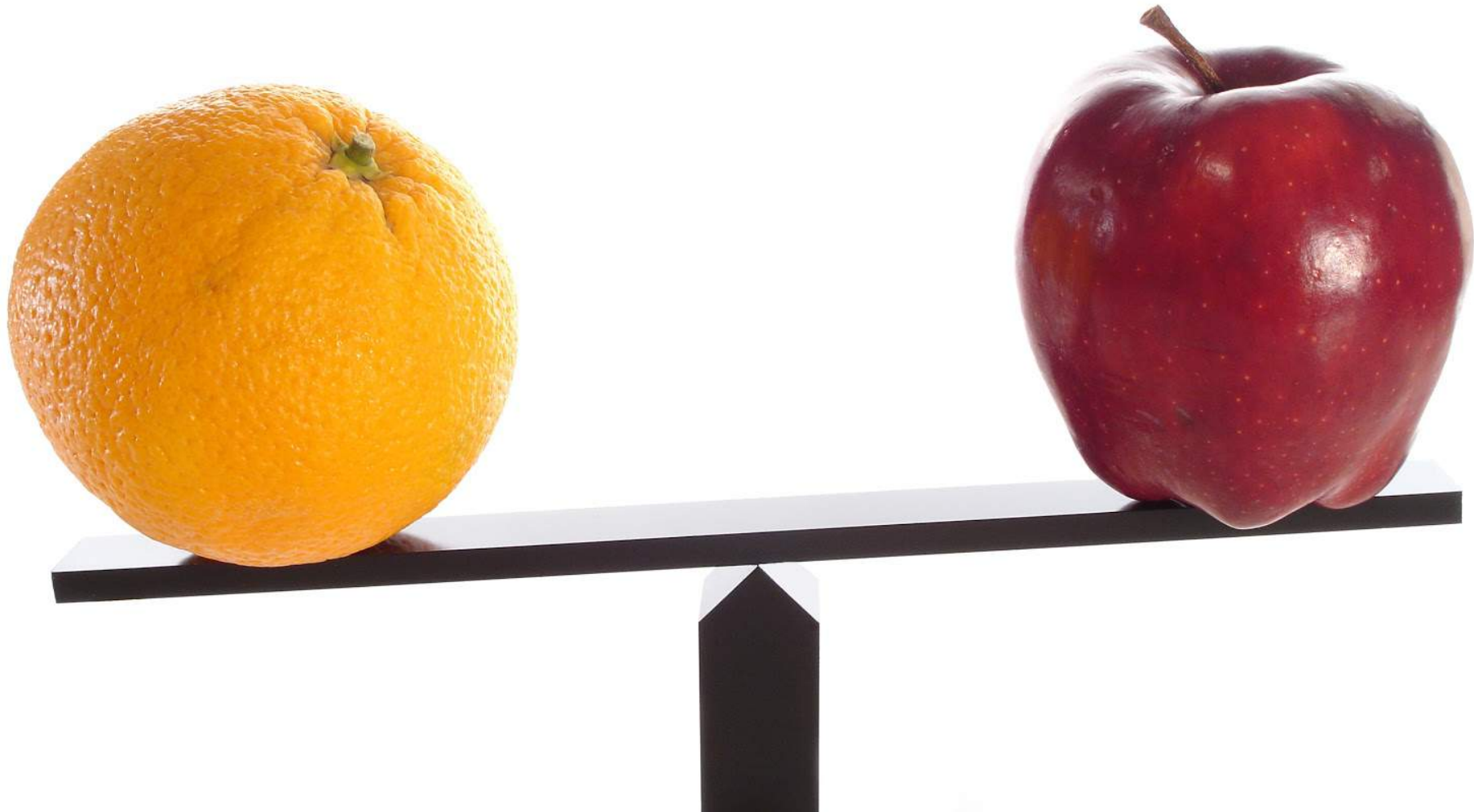
[www.nabers.gov.au](http://www.nabers.gov.au)

What is NABERS?

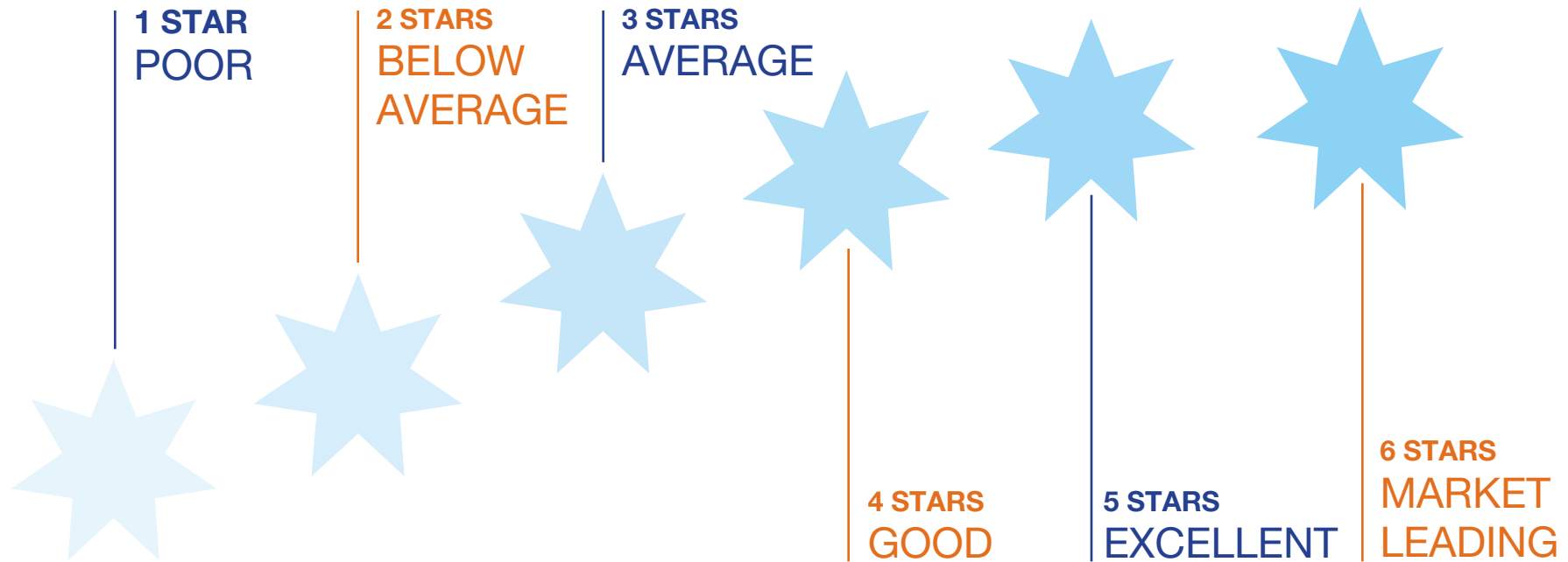
# #1 Based on metered performance



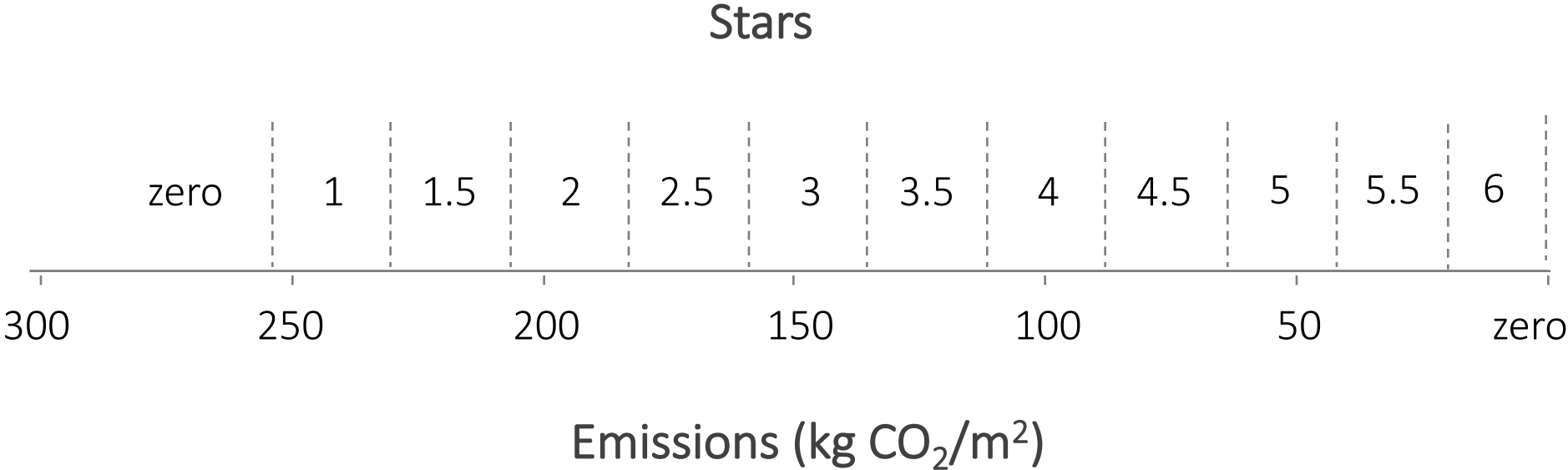
## #2 Fair Comparison



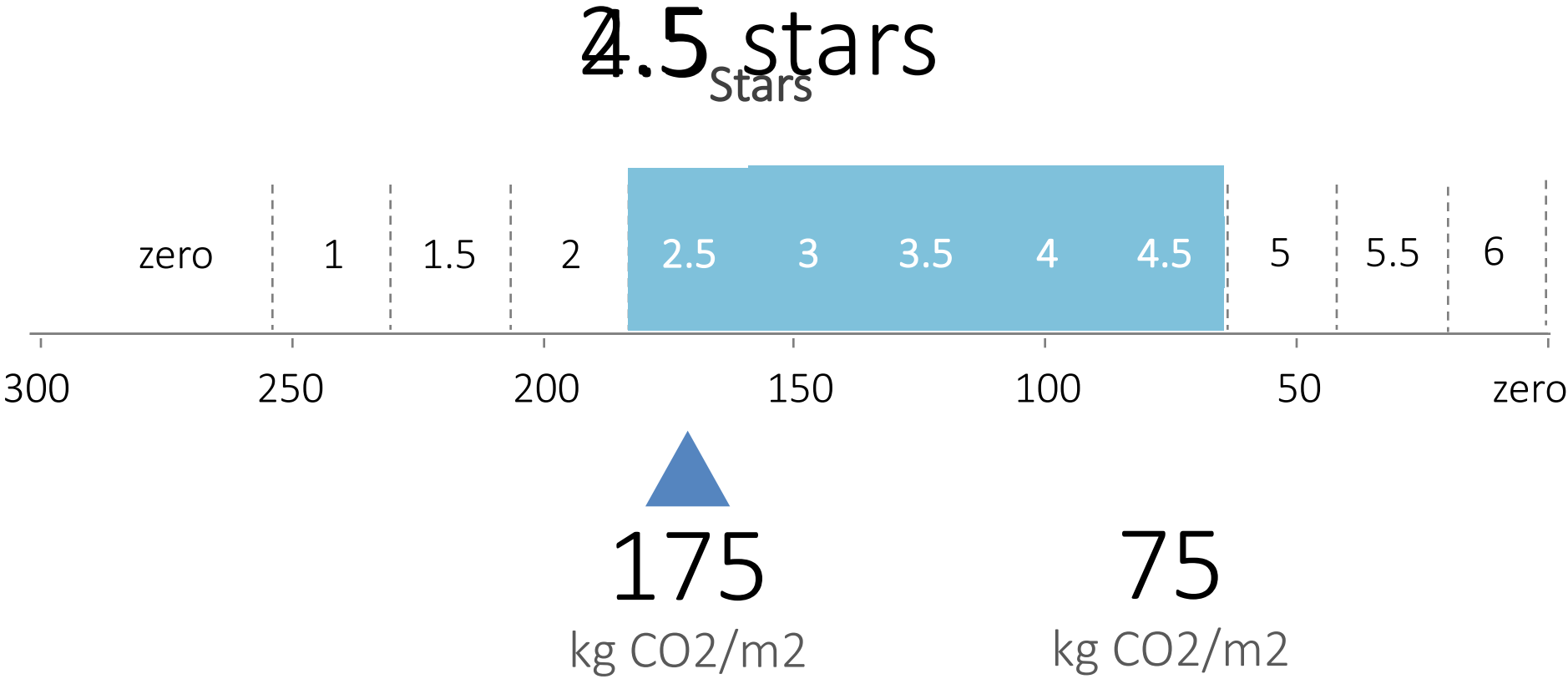
# A language for sustainability



# The NABERS rating scale



# The NABERS rating scale





Offices



Shopping centres



Hotels



Data centres





# New NABERS tools

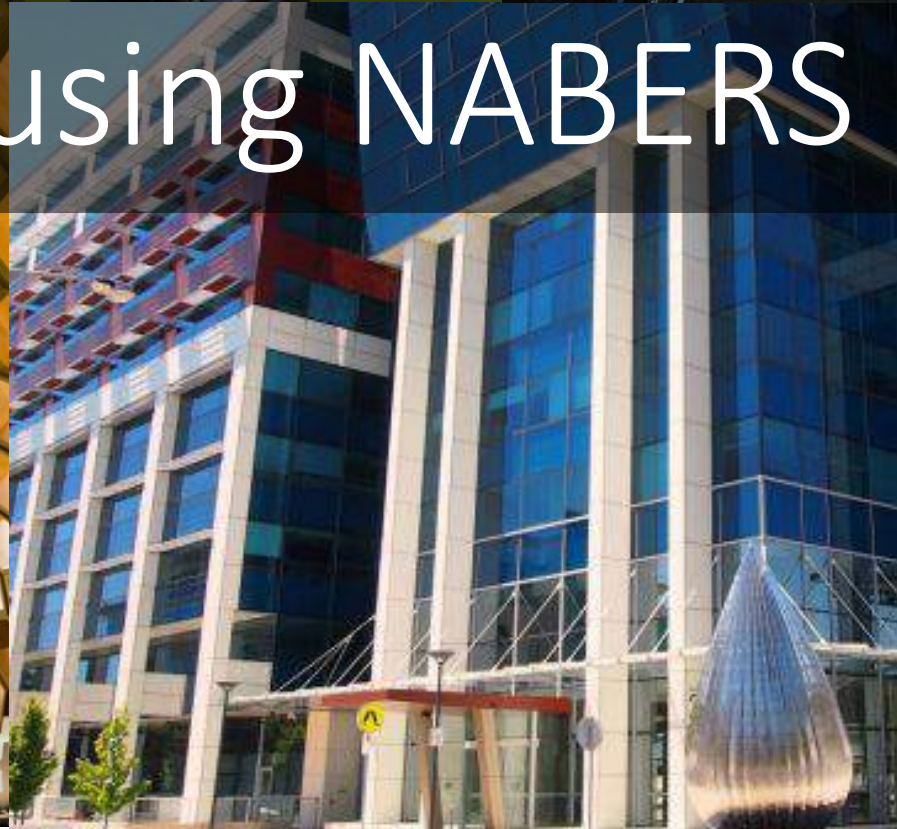


Hospitals



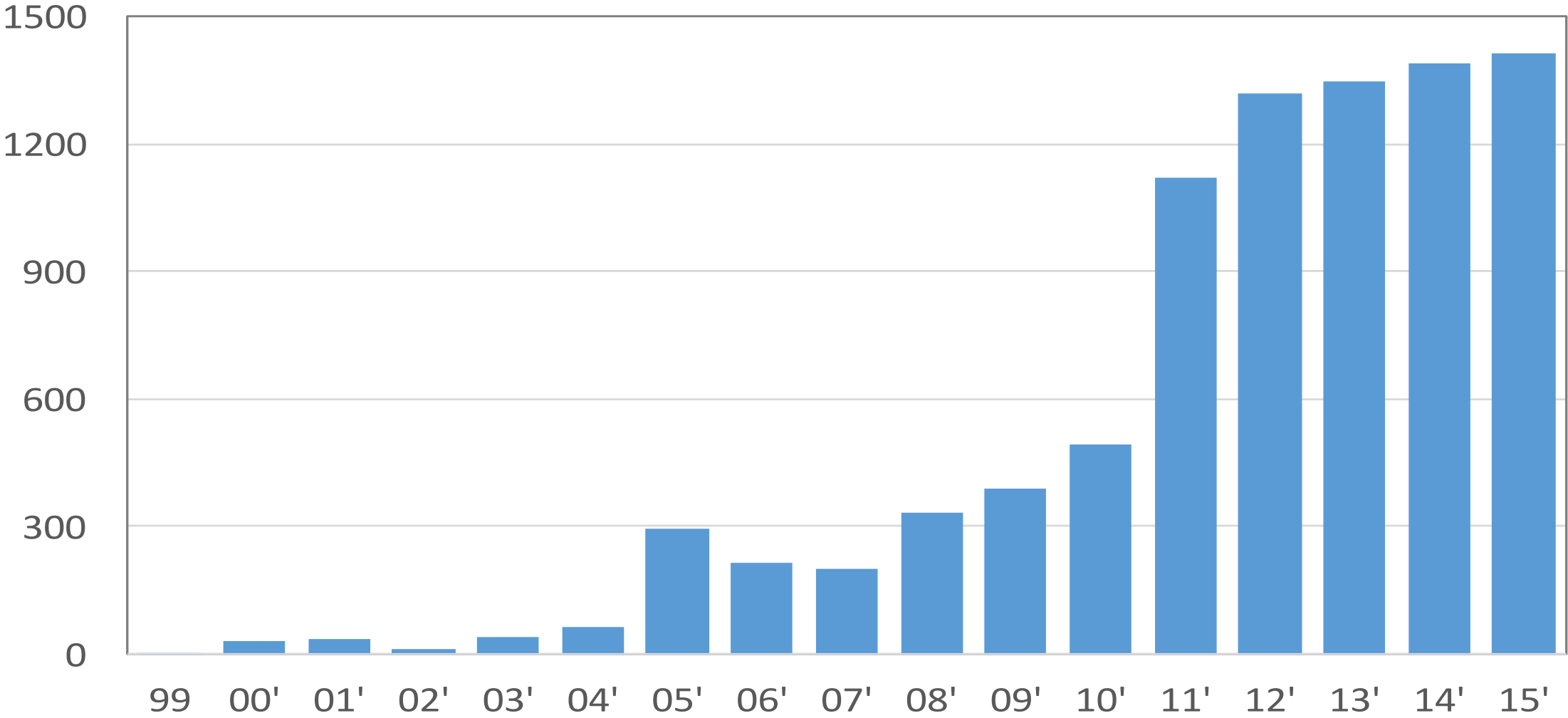
Apartment buildings

What does this mean  
for building owners?



Who is using NABERS and why?

# Office buildings certified every year



# Rated shopping centres



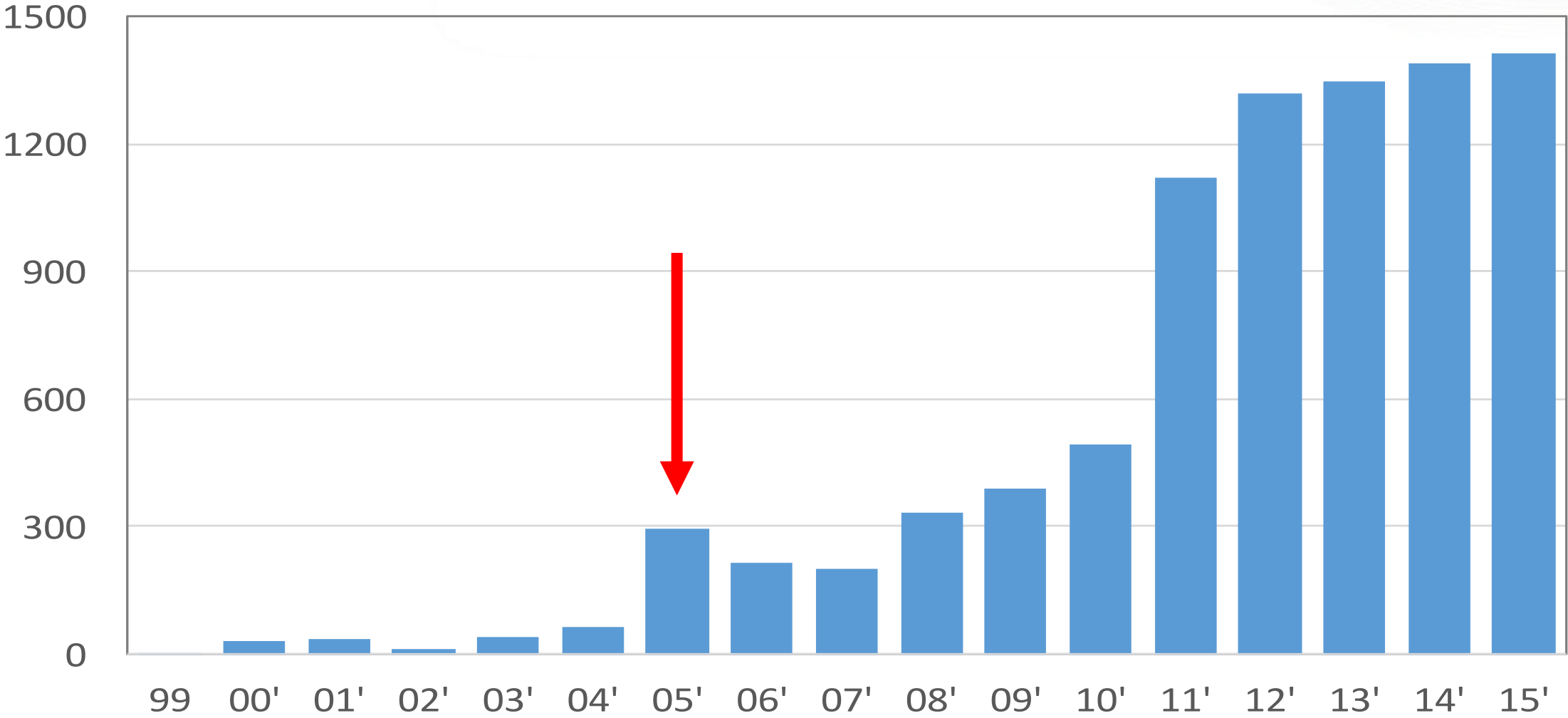
# The role of policy

# #1 Government procurement policy



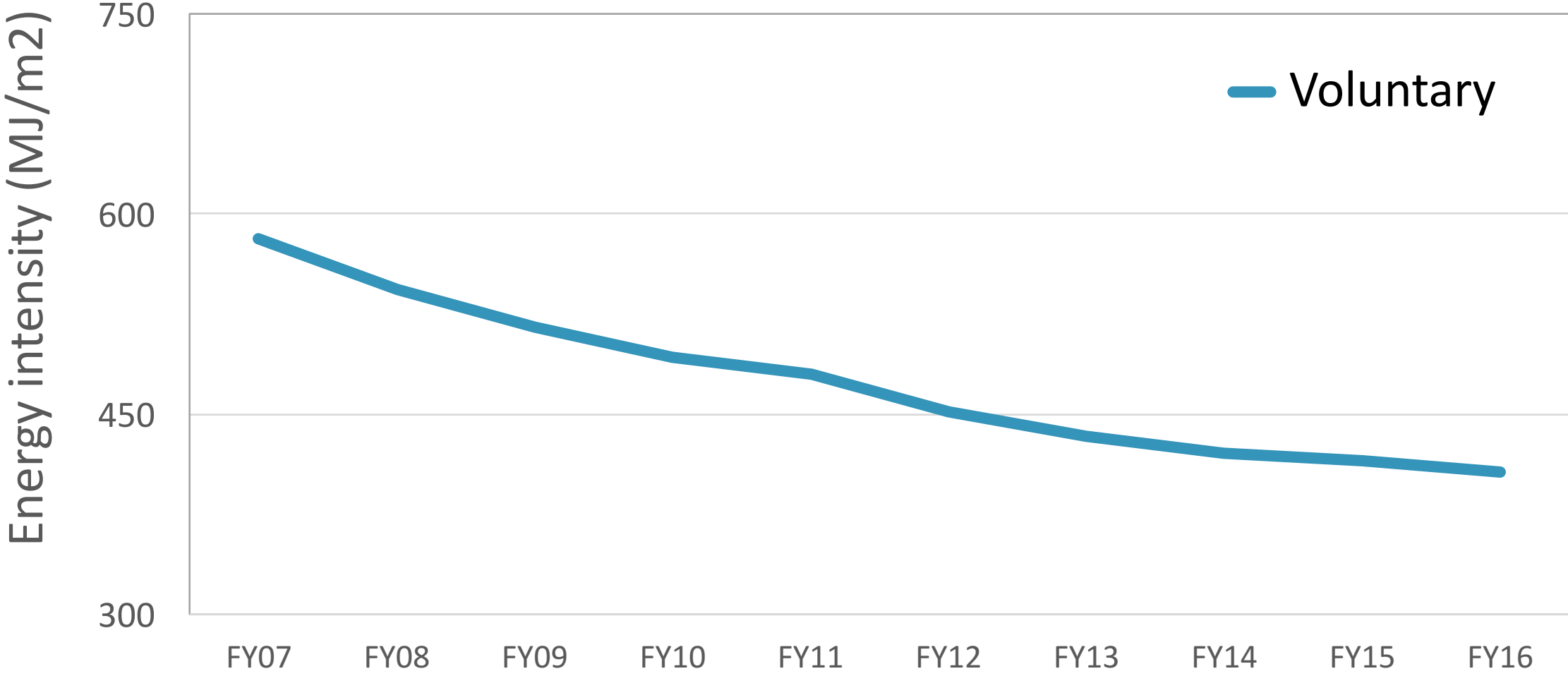
4.5 stars NABERS Energy  
requirements in leases

# Office buildings certified every year





# Reduction in energy use



## #2 Commercial building disclosure

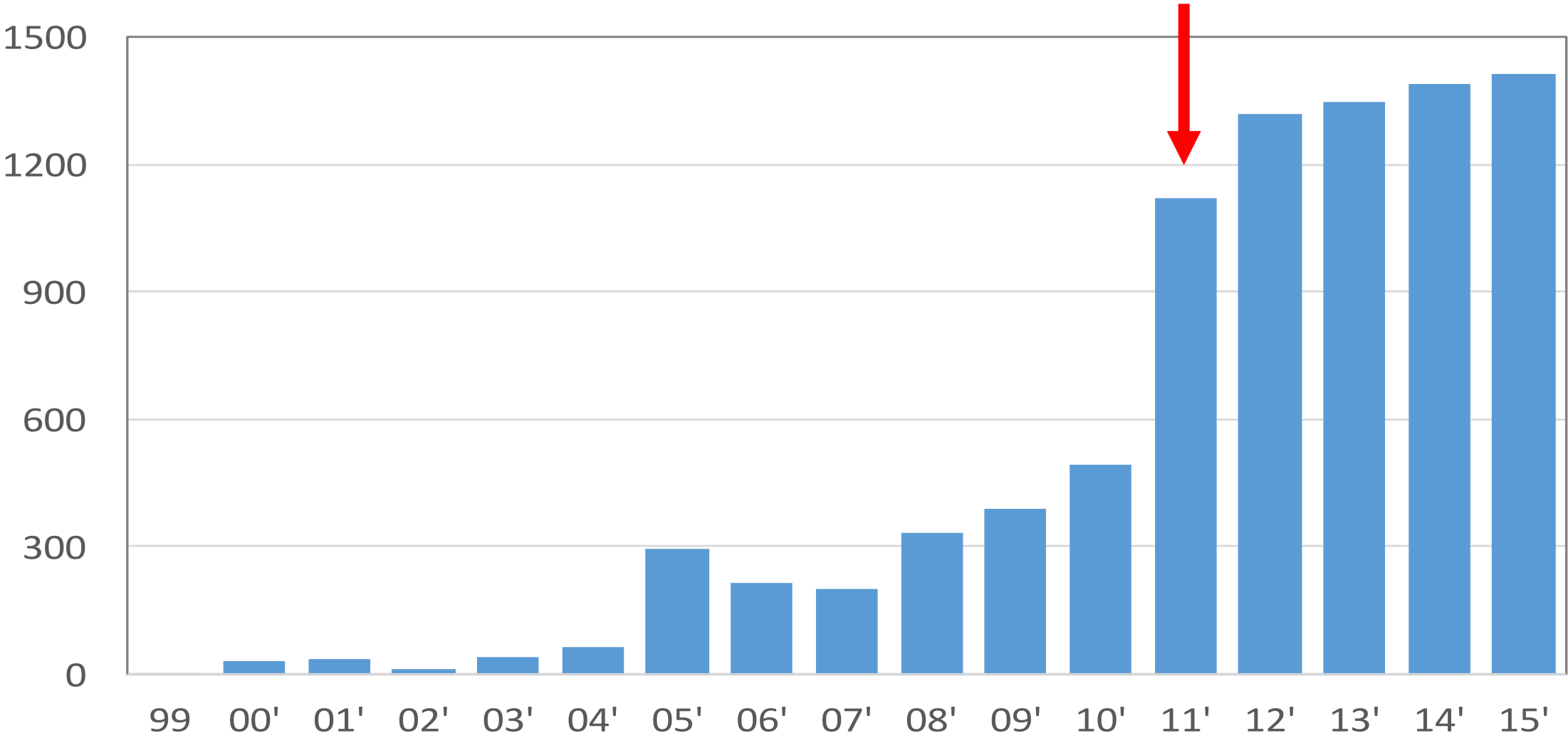


Mandates disclosure  
of NABERS Energy  
ratings

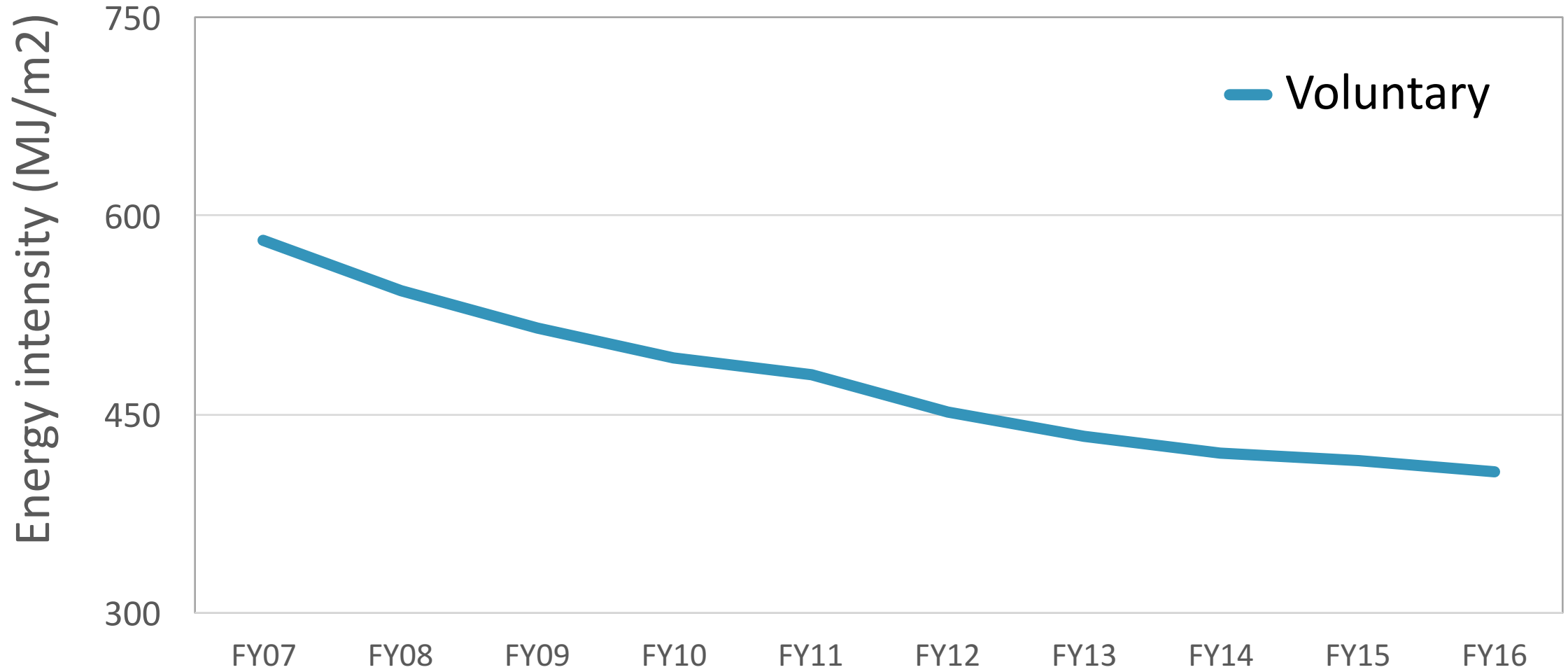


Lease or sell  
spaces larger than  
1,000m<sup>2</sup>

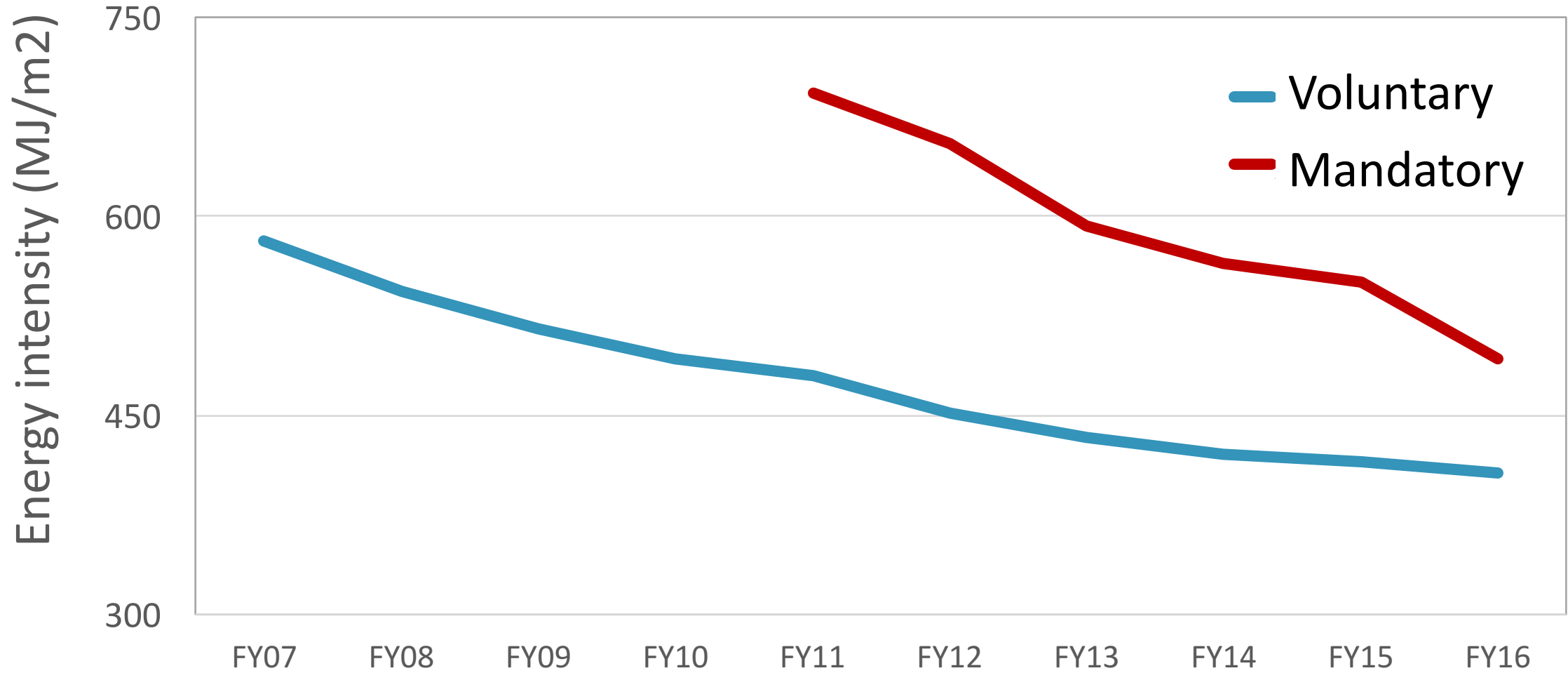
# Office buildings certified every year



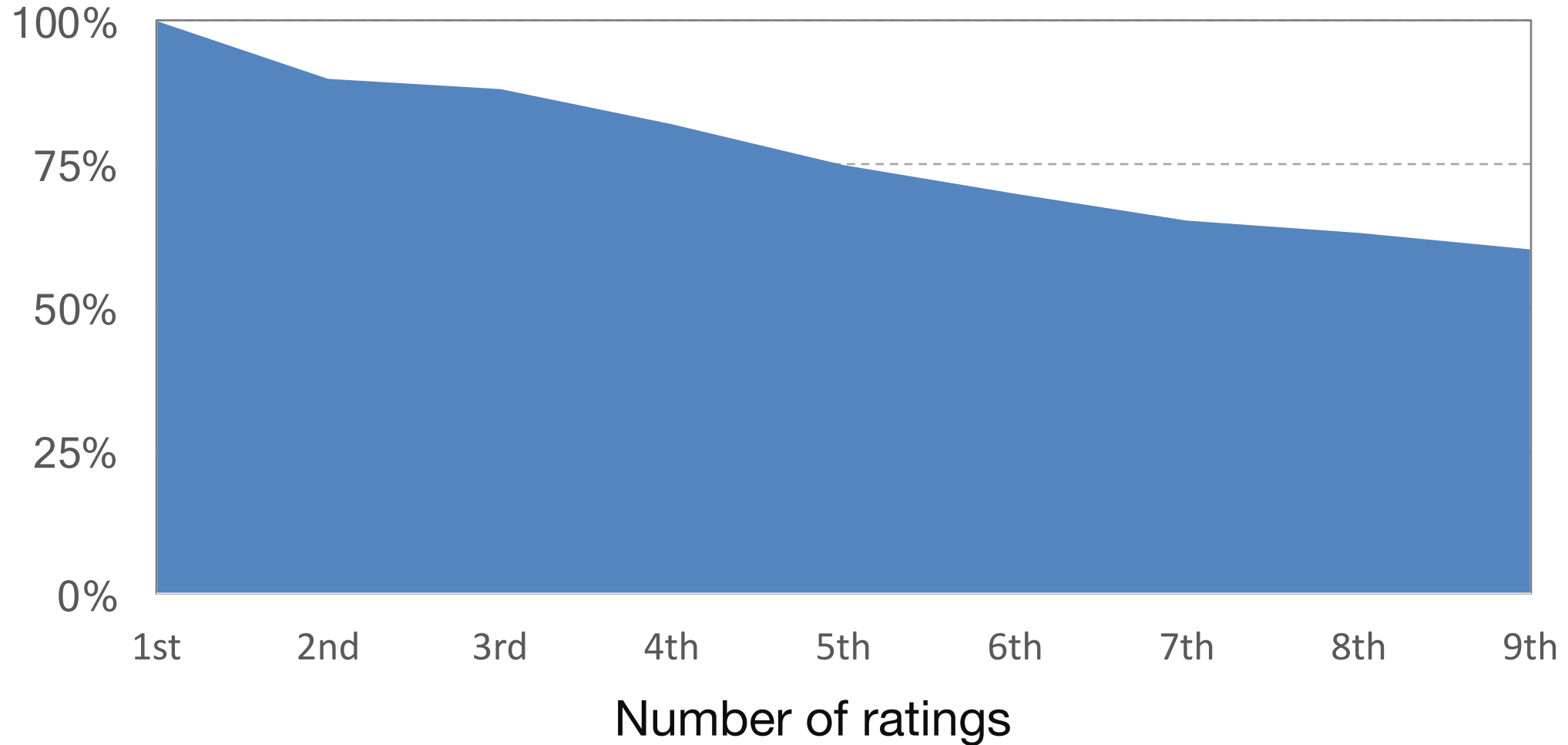
# Reduction in energy use



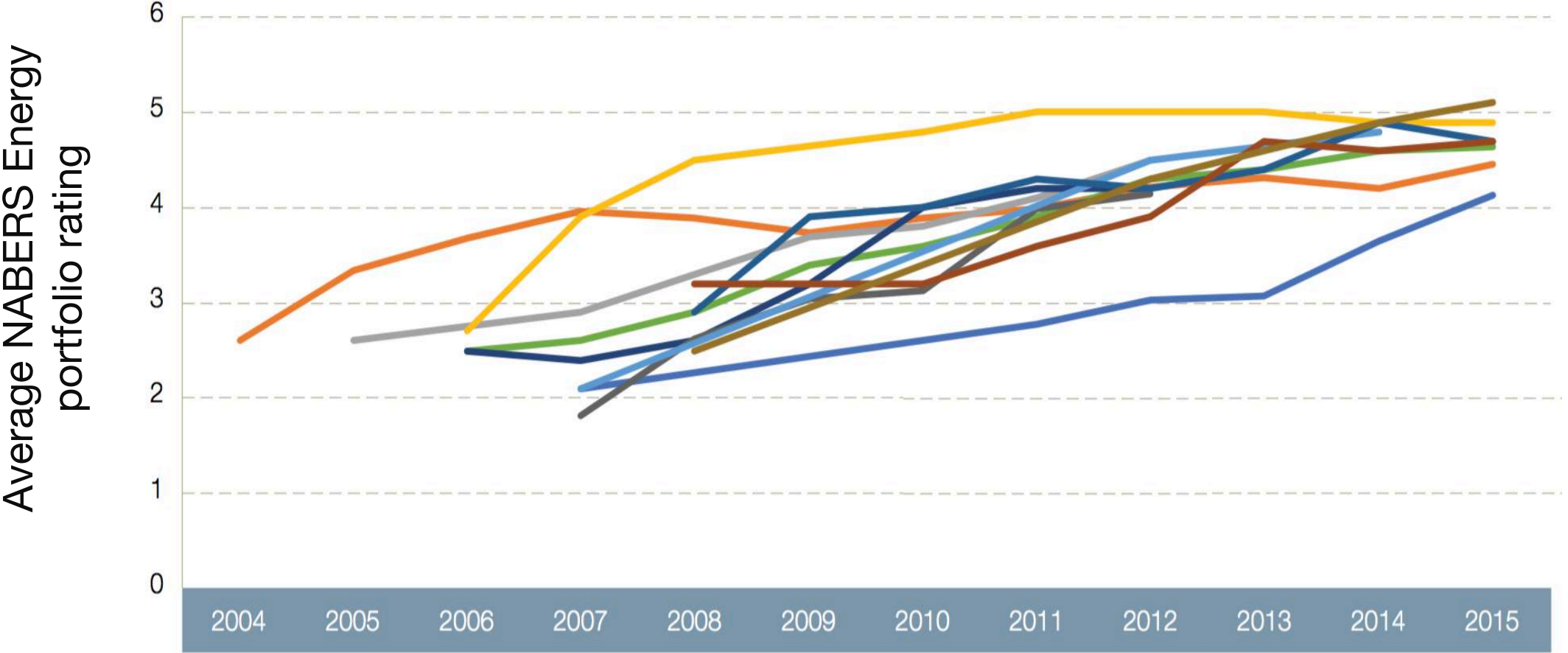
# Reduction in energy use




# Average reduction in energy use (%)



# Improvement by 10 largest portfolios

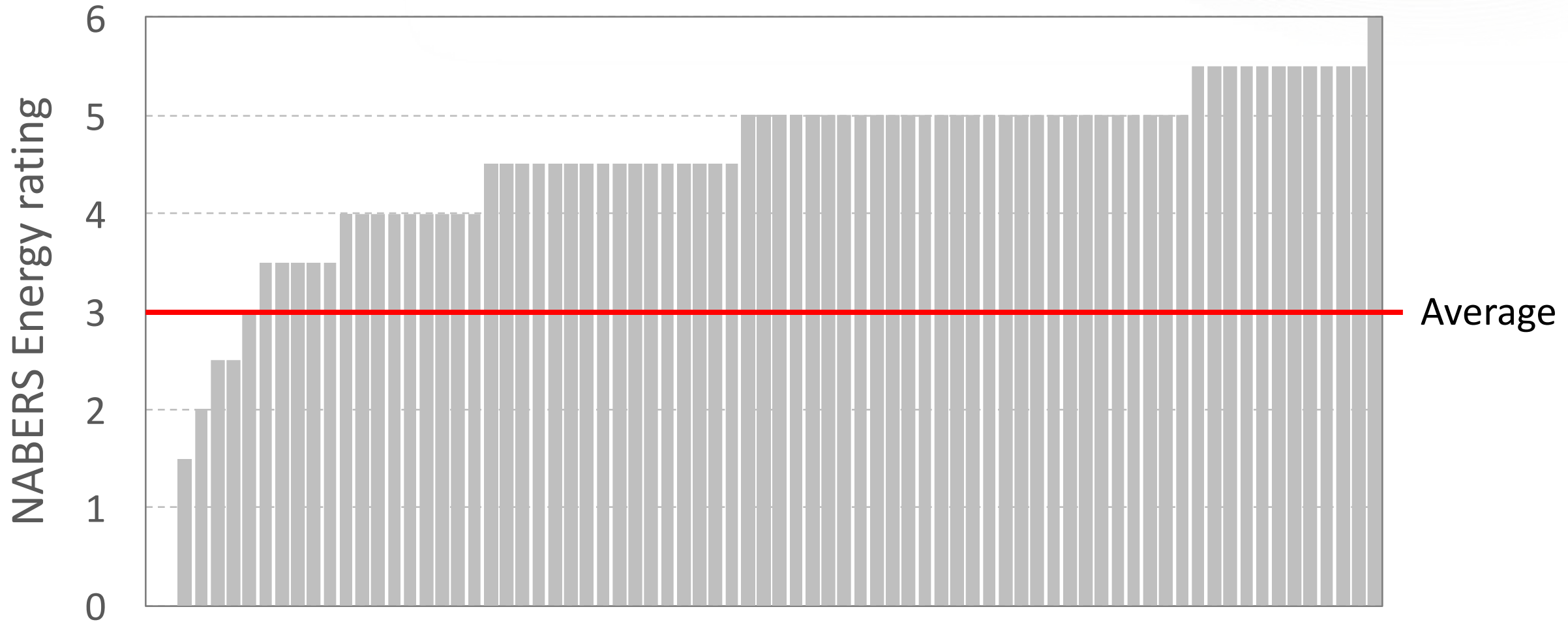




Energy  
vs  
Indoor Environment Quality

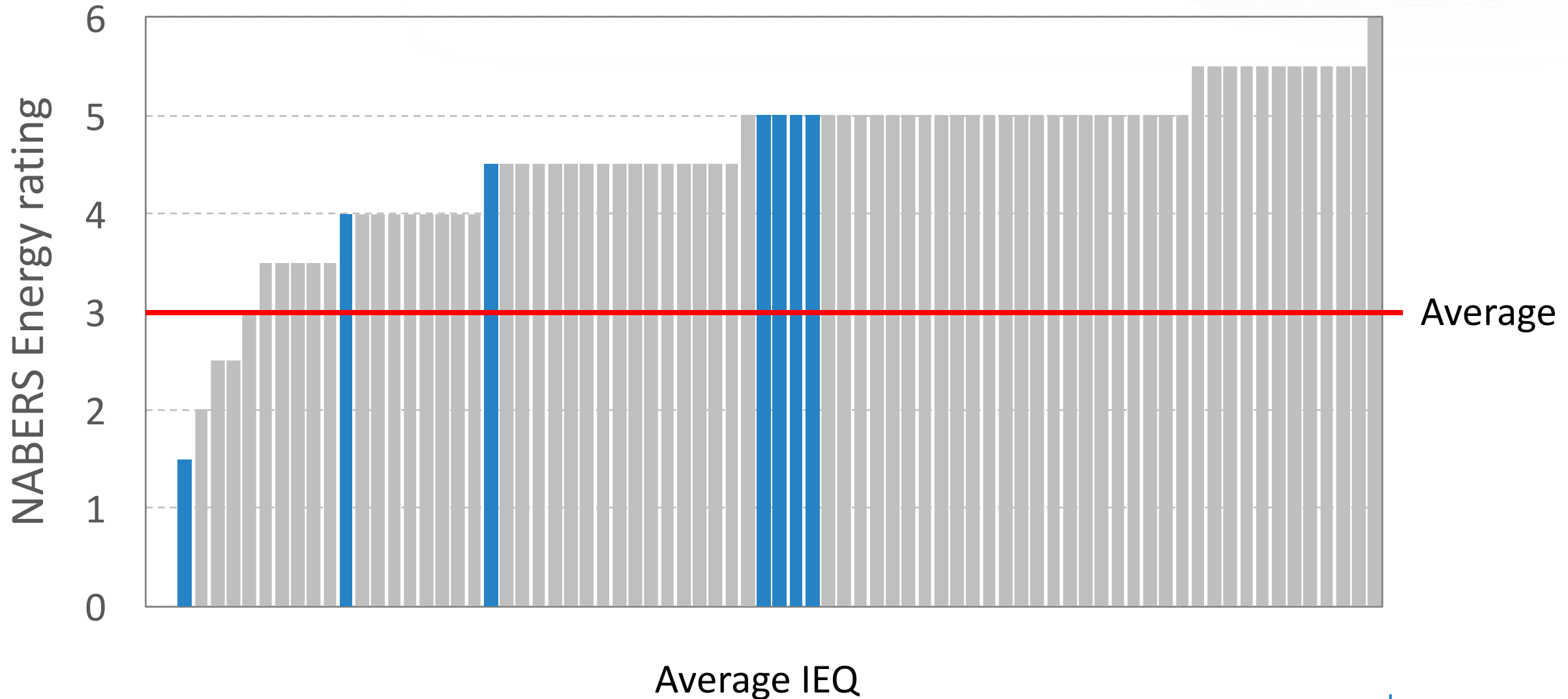


# Energy vs Indoor Environment Quality

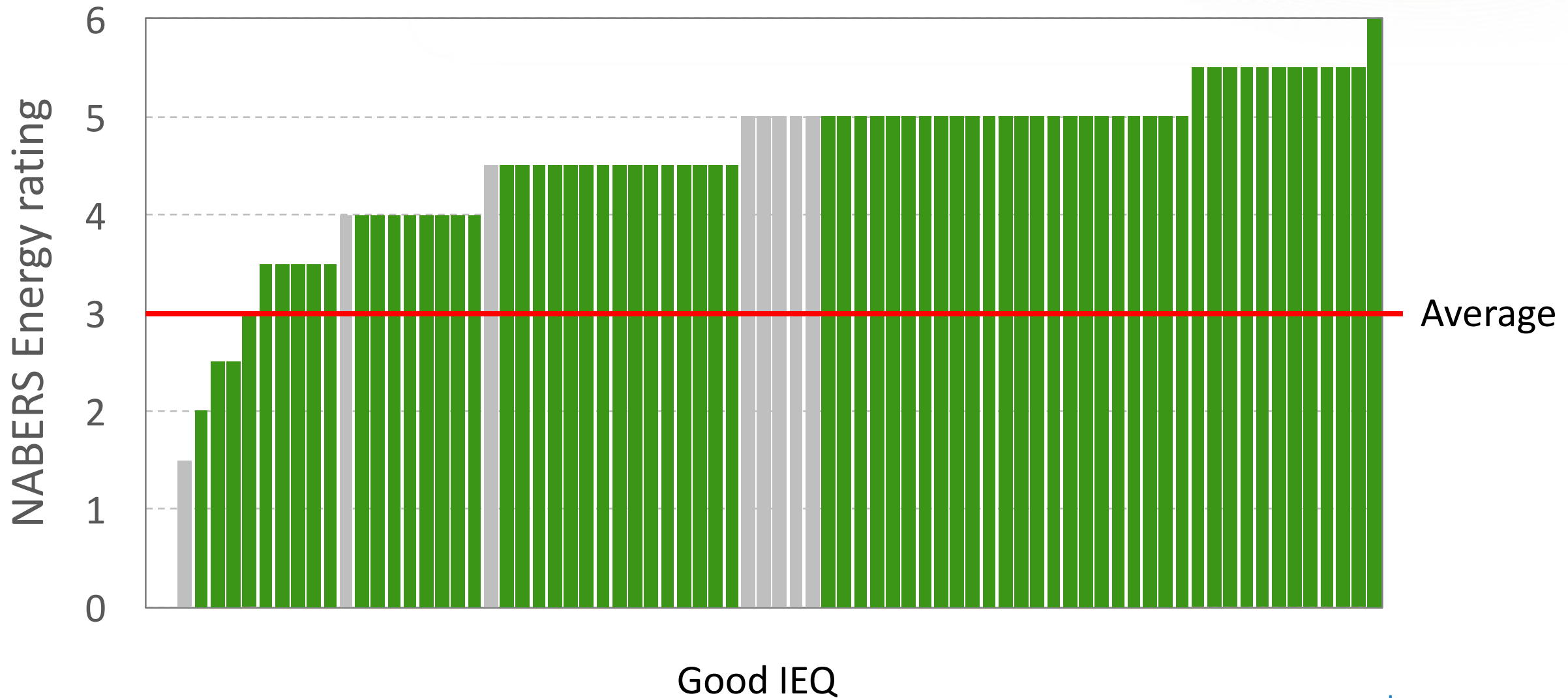




# Energy vs Indoor Environment Quality



# Energy vs Indoor Environment Quality



# Investment-driven incentives (e.g. GRESB)

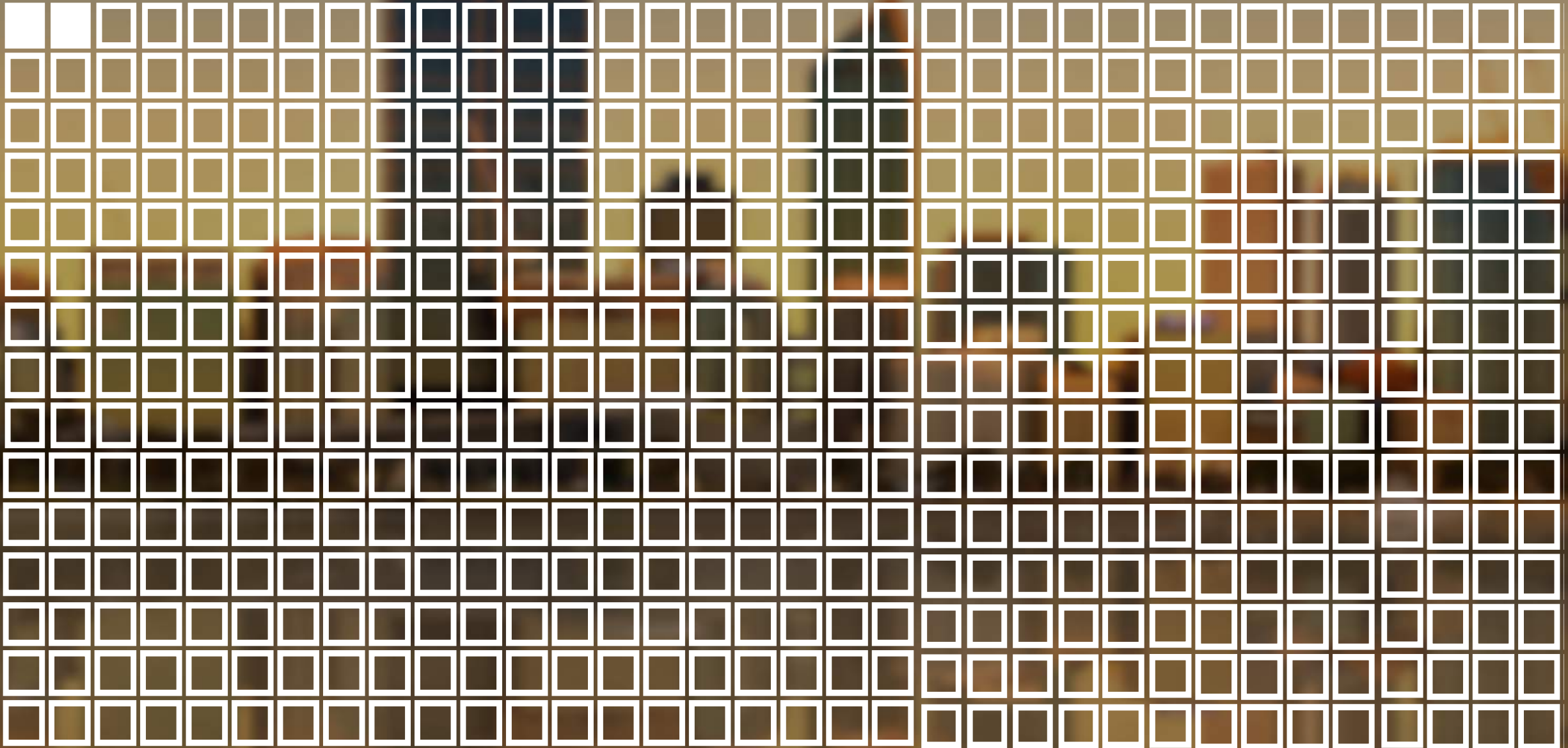


**The future**

A platform for sustainability action



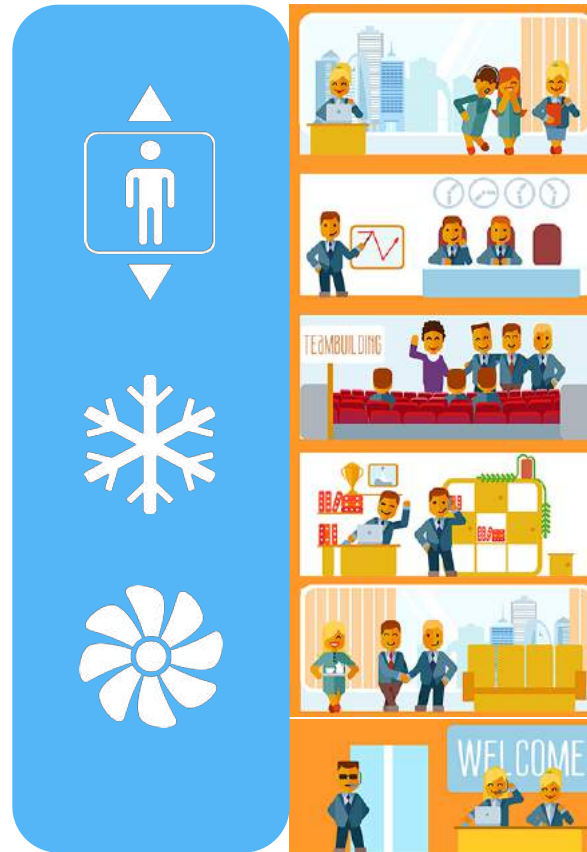
| 200 tenants  
Each square = 100 tenancies





# Combined energy ratings

Base Building Rating



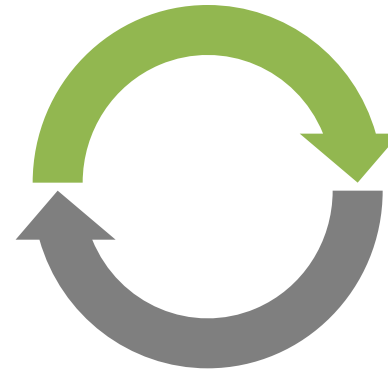
Tenancy Ratings



# Net zero/carbon neutral certification



Fully integrated  
into NABERS



Additional  
certification

# The New NABERS Waste

# Problem 1: Access to waste data



# Problem 2: poor data quality



# Commercial Building ABC

148 Parramatta Rd, Stanmore NSW 2042



Last Waste Audit  
10 FEB 2016



Data Integrity  
BRONZE

Filter by: Period

10.04.15 - 10.04.16

## TOTAL WASTE GENERATED



Waste generated

180t

160t for the same period last year

Waste intensity

10 kg/m<sup>2</sup>/p.a

## ESTIMATED WASTE COSTS



\$536

LANDFILL

\$394

CO-MINGLED

\$83

PAPER & CARDBOARD

\$152

ORGANICS

TOTAL

\$1,165

## DIVERSION FROM LANDFILL



## SITE DATA INTEGRITY



ADD A GRAPH

Welcome to NABERS Waste Manager

# NABERS WASTE

Username

Password

Remember me

[Forgot password?](#)

# International pilot ratings



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## Hong Kong : CBRE to provide NABERS assessment for commercial buildings

By *Devina Mahendriyani* on 02/05/2016



NABERS (National Australian Built Environment Rating System), a national rating system that measures the environmental performance of buildings in Australia, is now being adopted in Hong Kong – thanks to CBRE's Asia Pacific Sustainability team securing the industry-first contract to be carried out in Greater China.

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# Thank you

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NABERS is a national initiative managed  
by the New South Wales Government

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