

# What does the future of NABERS Energy look like?

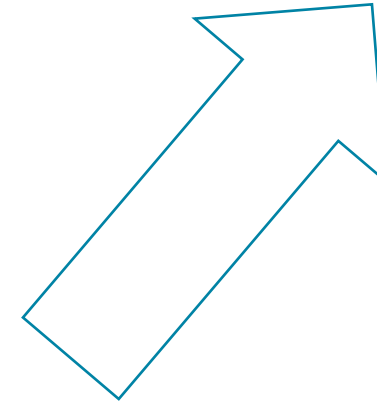
Stream 3: For NABERS Users



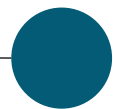
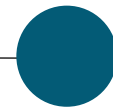
Corine Mulet, NABERS



Ask the presenter questions in the chat box



# What we're covering today...



**#1**

**Background**

**#2**

**Update 1:  
Emissions  
factors**

+Q&A

**#3**

**Update 2:  
Carbon  
Accounting  
method**

**#4**

**Under  
consideration**

+Q&A

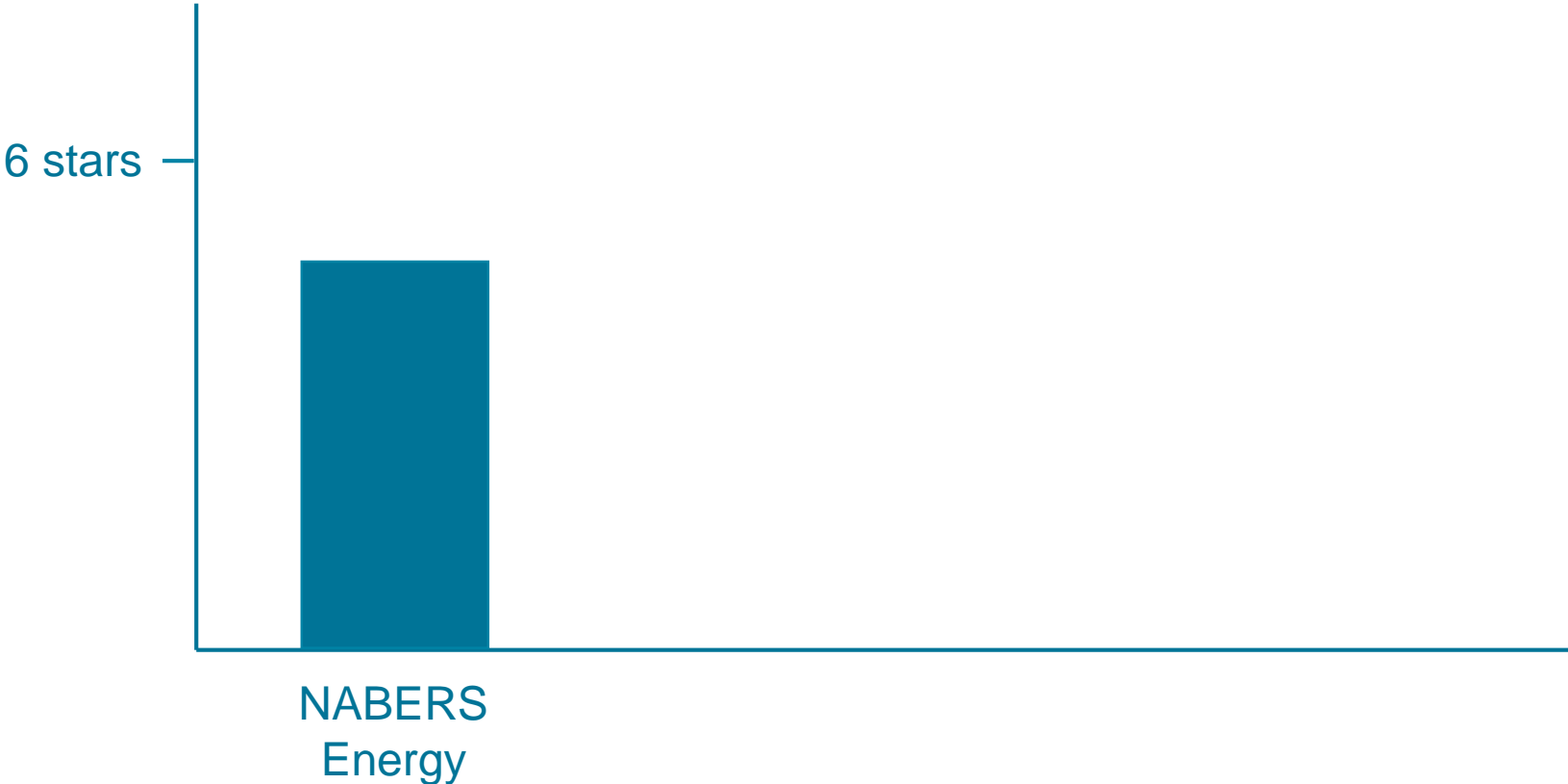
# #01 Background

## #02 Update 1: Emissions factors

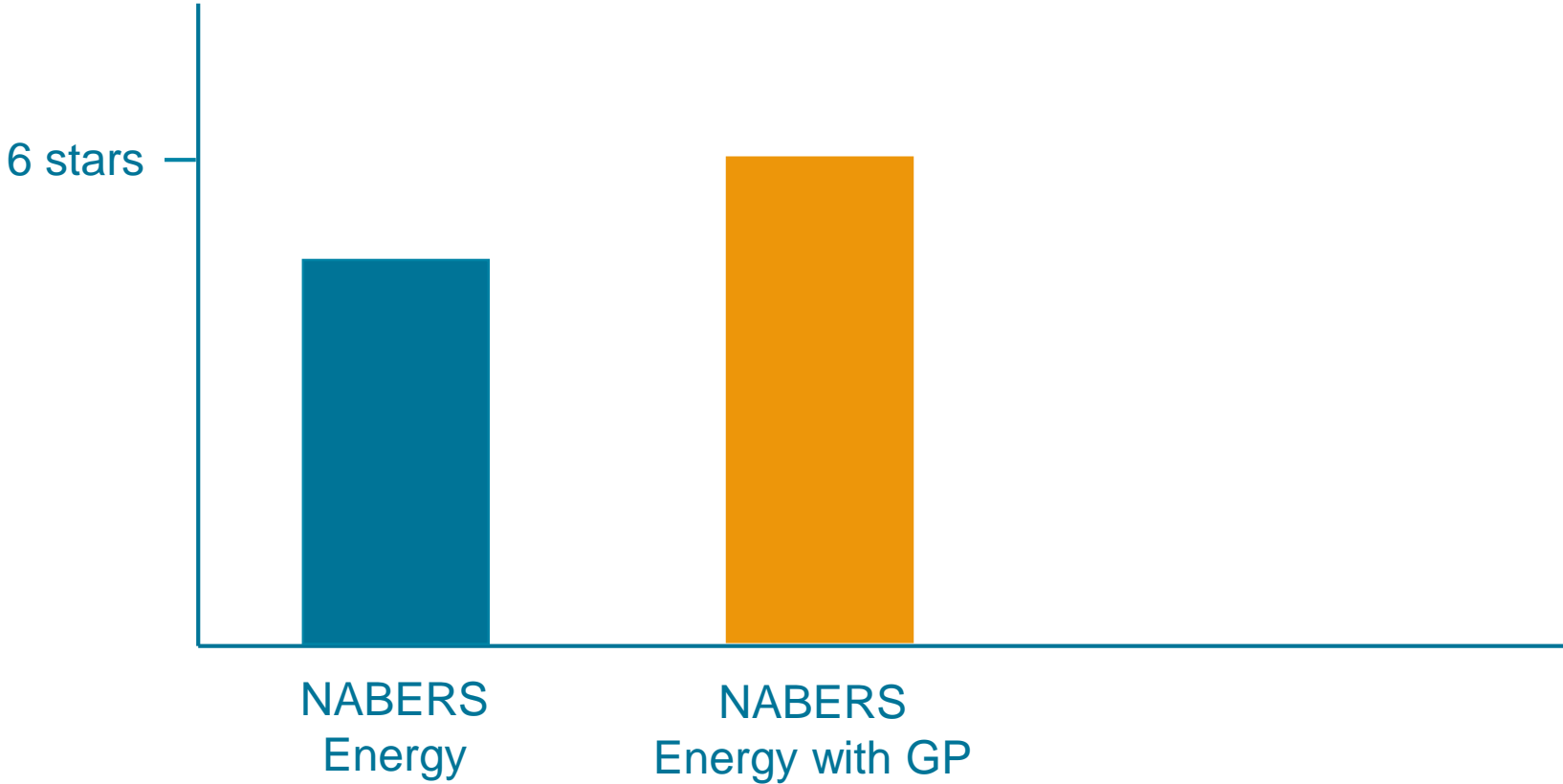
## #03 Update 2: Carbon Accounting method

## #04 Under consideration

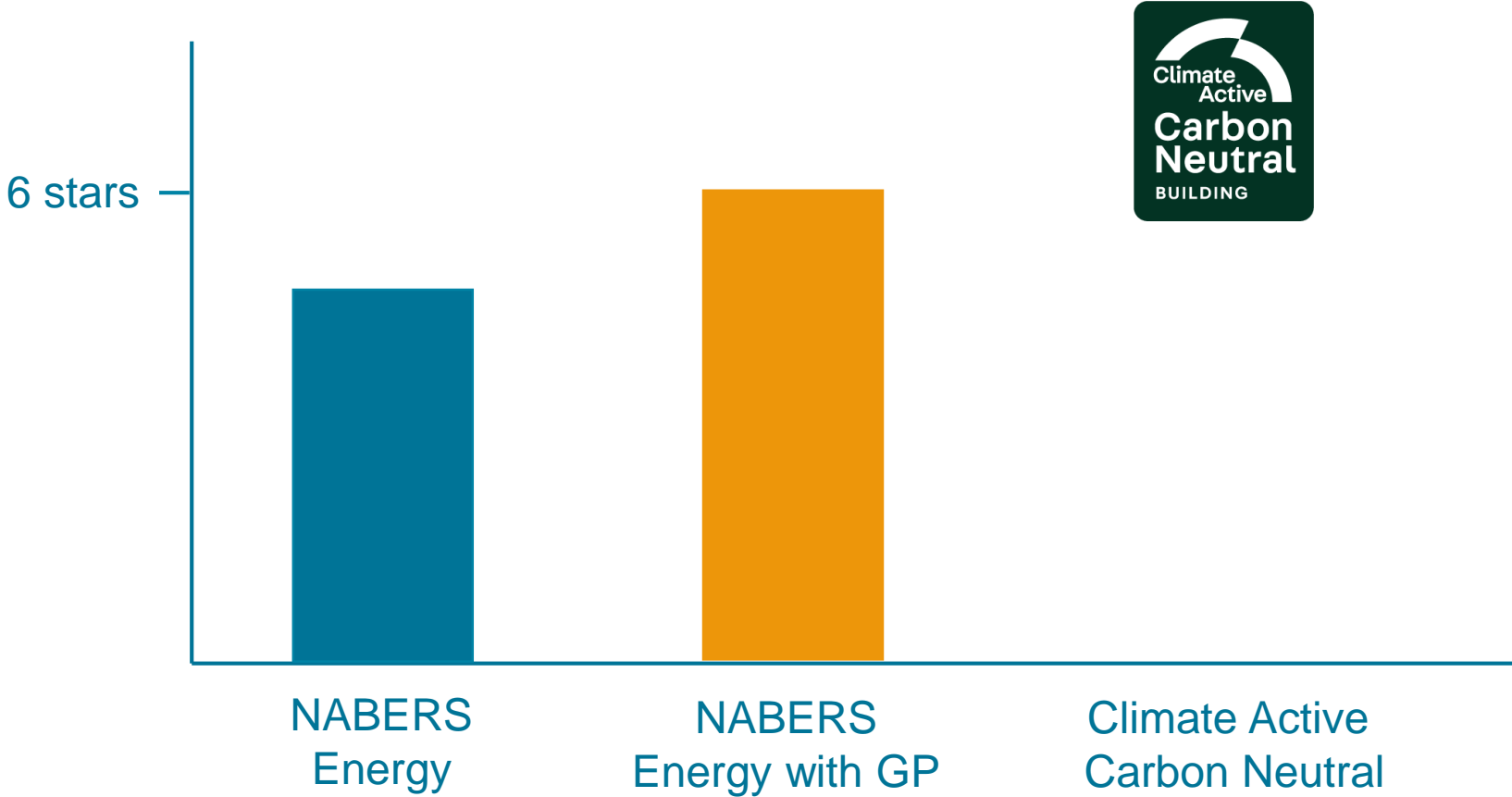
# NABERS Energy



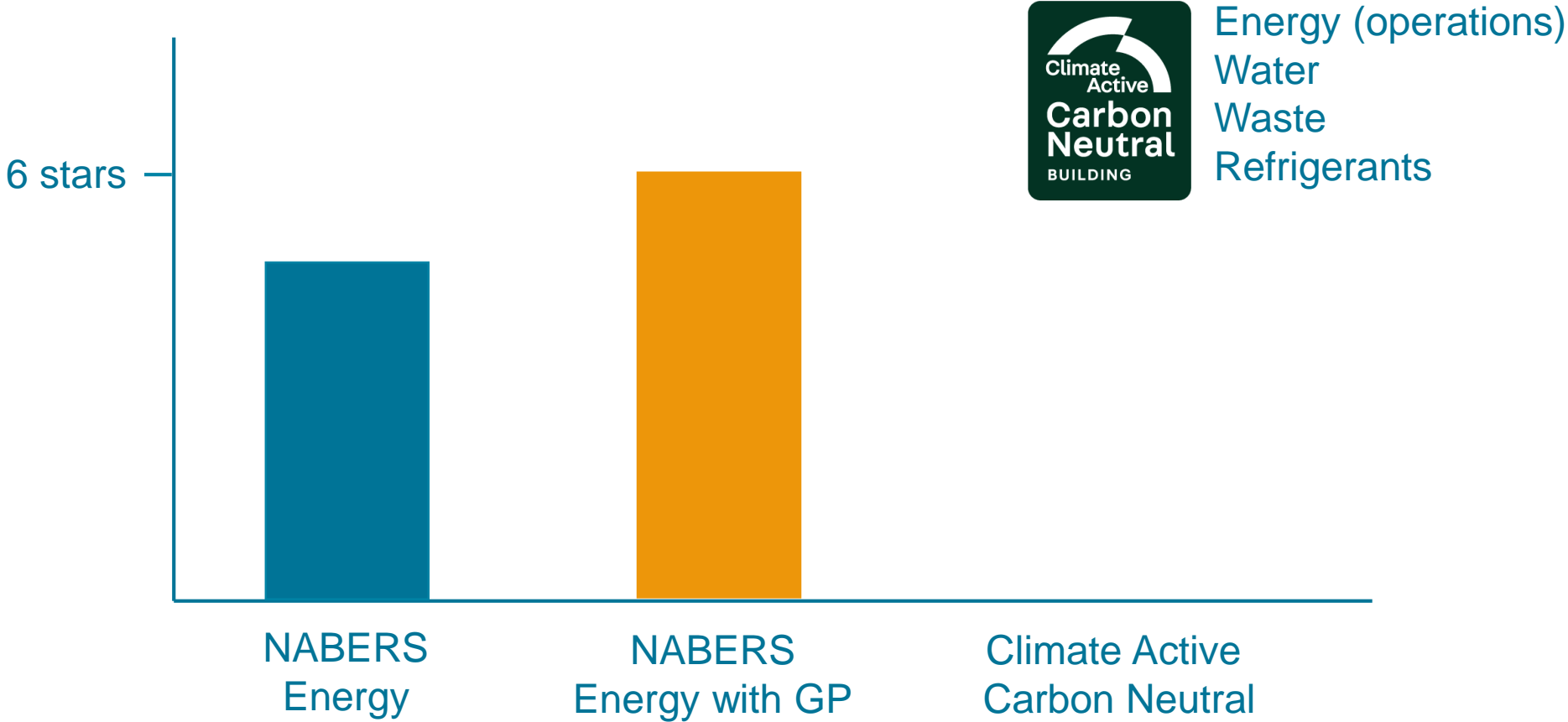
# NABERS Energy



# Supporting Net Zero commitments



# Supporting Net Zero commitments





# The Future of NABERS Energy

Adapt NABERS to changes in the property and energy markets:

- Decarbonisation of the grid
- Increase in Net zero targets
- Changes to renewable energy purchasing
- Updates to carbon accounting methods



## Who has been involved?



**Future of NABERS  
Energy TWG**



**Public  
consultation**



**NABERS National  
Steering Committee**

# Updates to NABERS in July 2021

1. Update the emissions factors used in NABERS Energy ratings
2. NABERS Energy with GreenPower will align with the International carbon accounting protocol



**#01** Background

**#02** Update 1: Emissions factors

**#03** Update 2: Carbon Accounting  
method

**#04** Under consideration

# How does NABERS Energy use NGA factors



Gas consumption X

Gas NGA factor

Electricity consumption X

Electricity NGA factor

NABERS Energy rating

# How does NABERS Energy use NGA factors



Gas consumption X

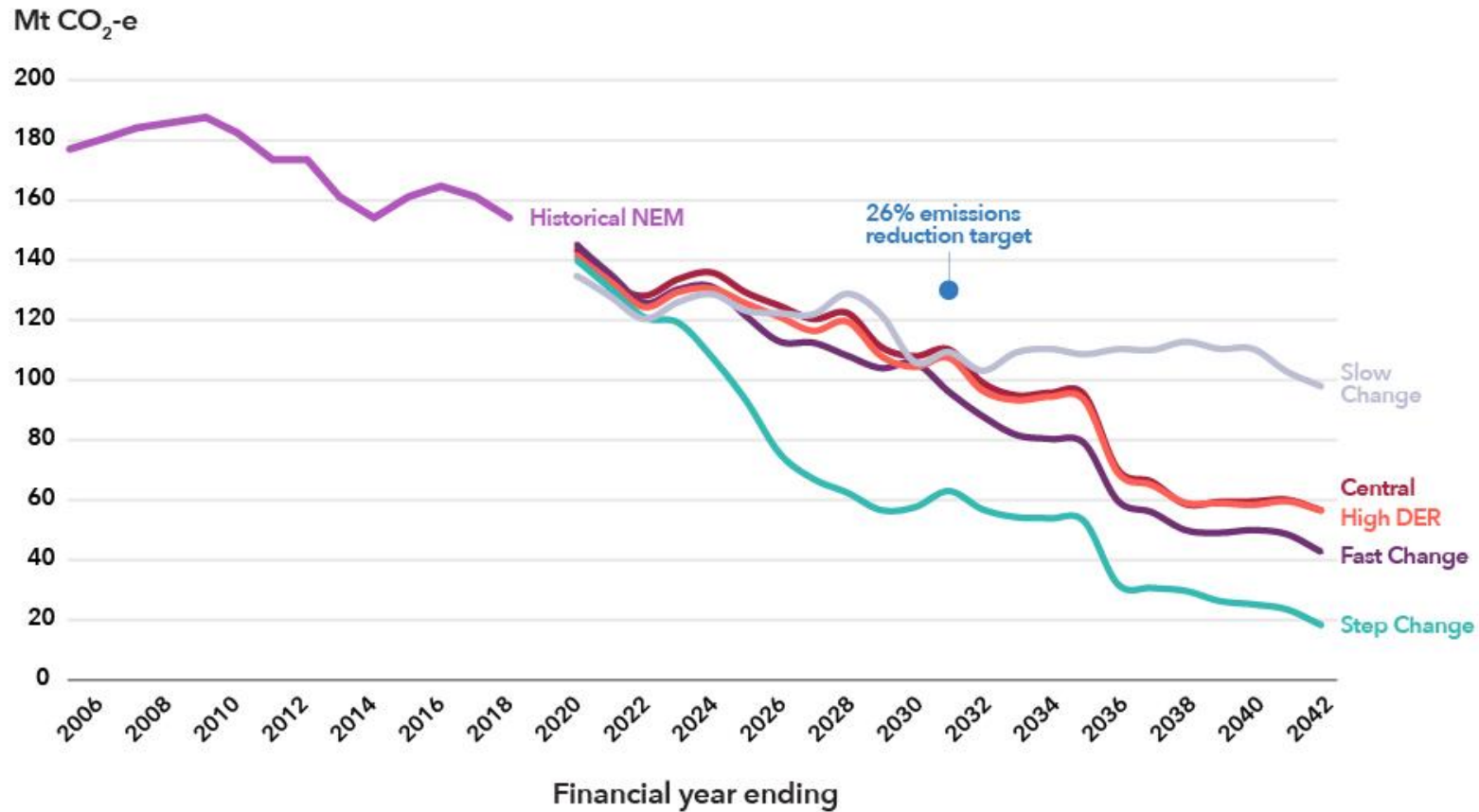
Gas NGA factor **1998**

Electricity consumption X

Electricity NGA factor **1998**

NABERS Energy rating

# The electricity grid is decarbonising



Source: AEMO Draft 2020 Integrated System plan

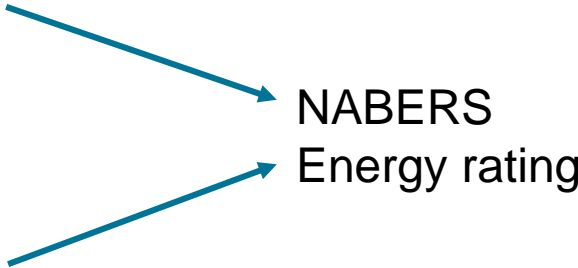
# How does NABERS Energy use NGA factors

The example of South Australia: NGA 1998



Gas consumption x 0.21 kgCO<sub>2</sub>/KWh

Electricity consumption x 0.95 kgCO<sub>2</sub>/KWh





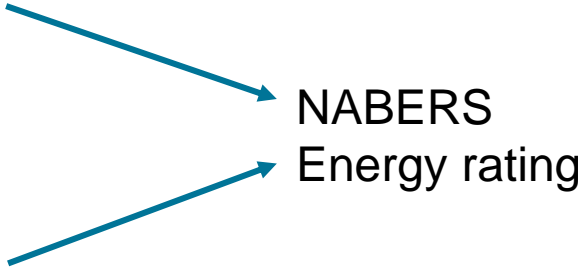
# How does NABERS Energy use NGA factors

The example of South Australia: NGA 2019



Gas consumption x 0.22 kgCO<sub>2</sub>/KWh

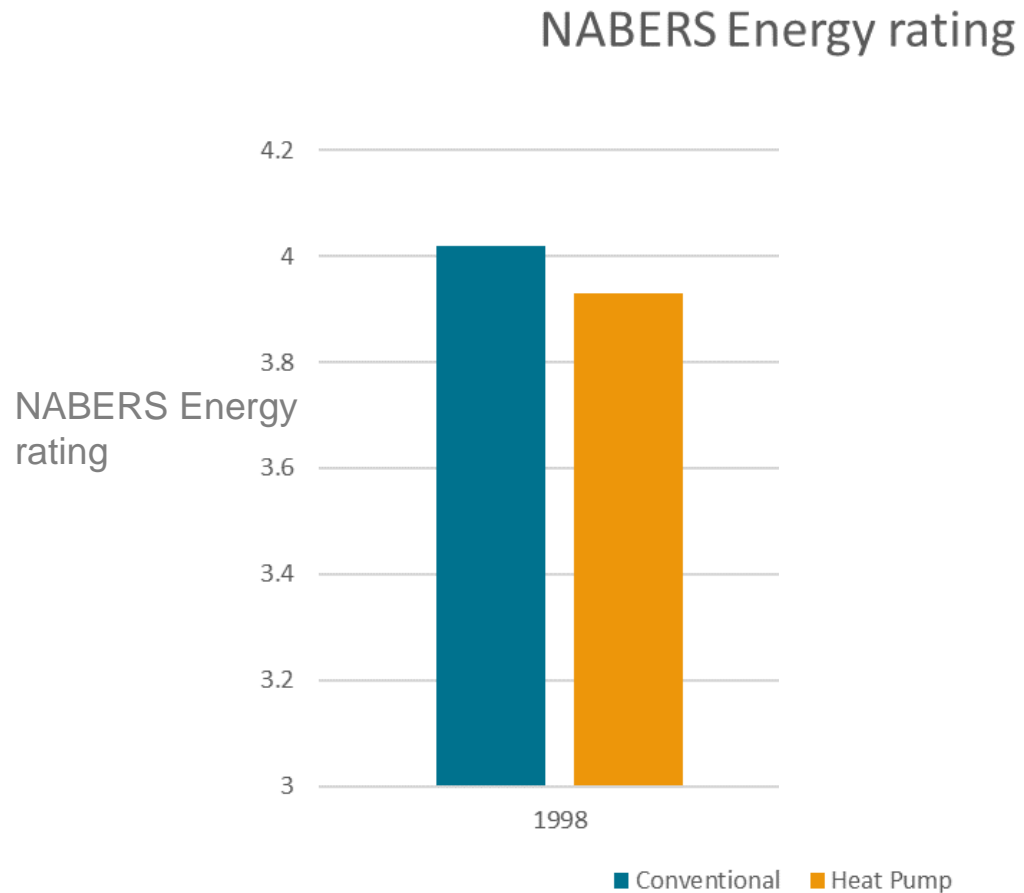
Electricity consumption x 0.54 kgCO<sub>2</sub>/KWh



NABERS  
Energy rating

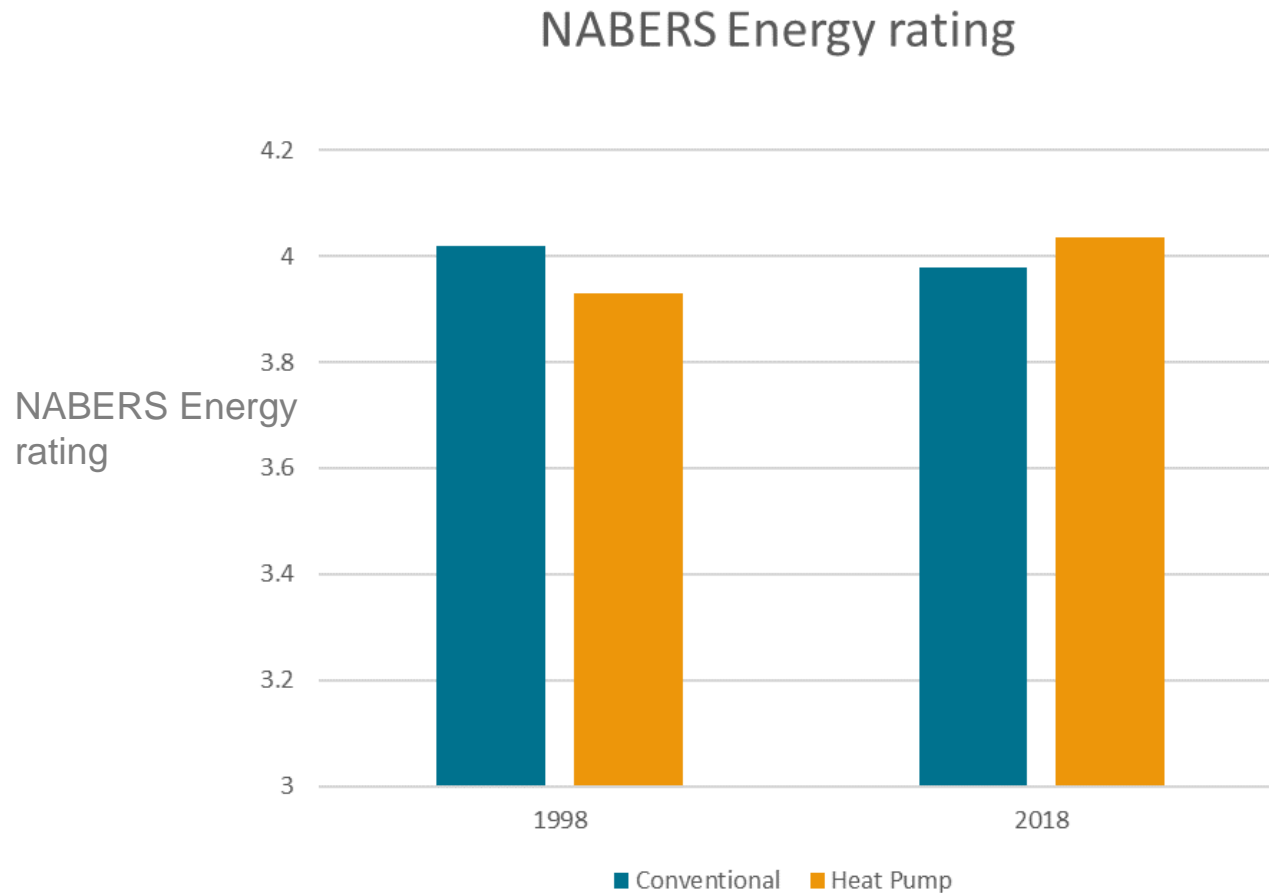
# Why is this update important?

Example of a typical 4.5 star office building in South Australia



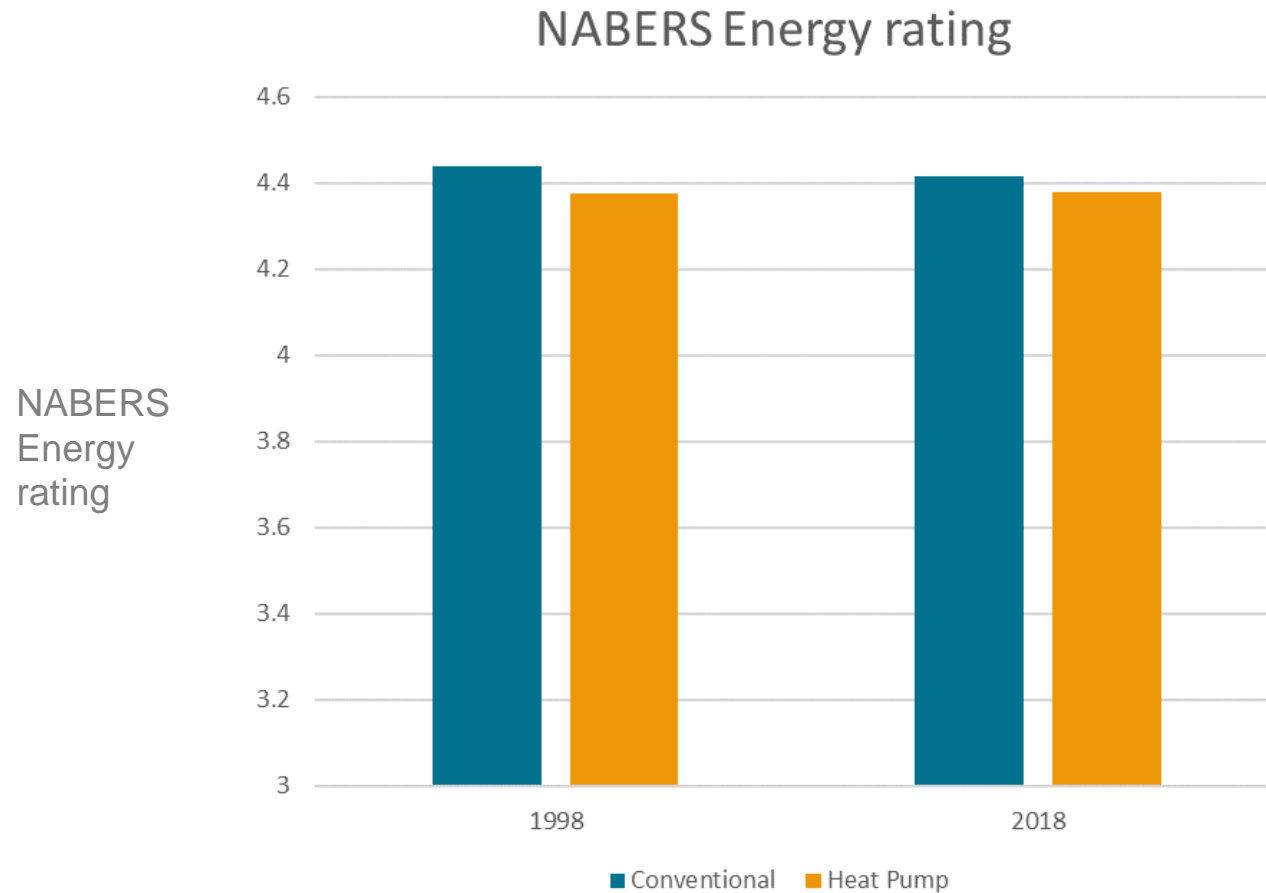
# Why is this update important?

Example of a typical 4.5 star office building in South Australia



# Why is this update important?

Example of a typical 4.5 star office building in New South Wales



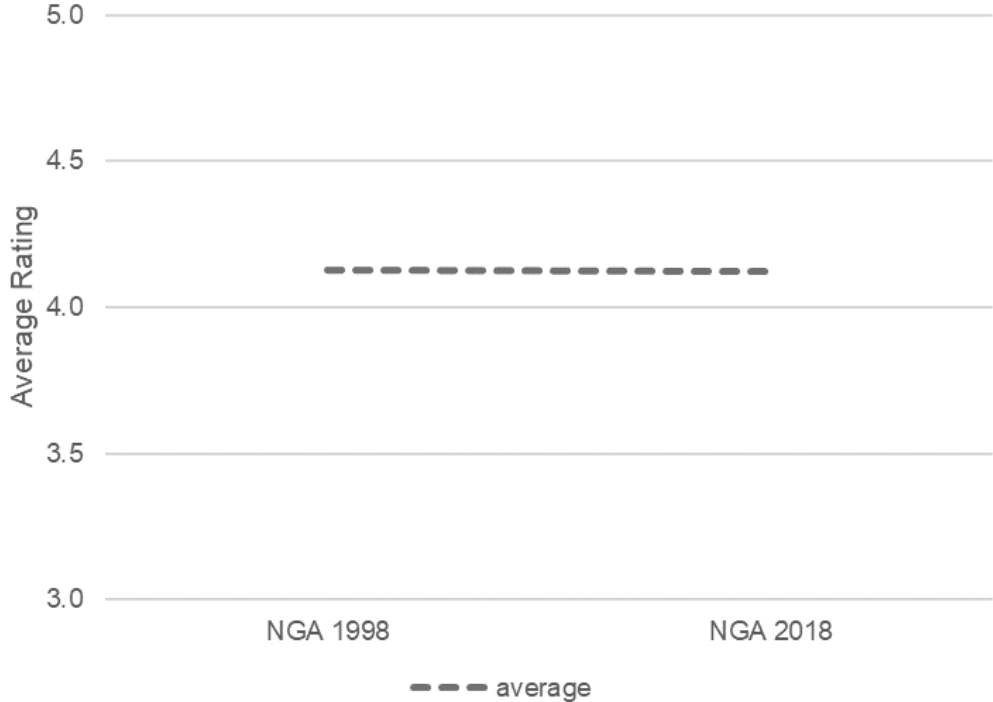
## What does this mean for me?

- In July 2021, NABERS will update NGA factors used in all NABERS Energy rating tools. This will have a small impact on rating results:
  - Most buildings will see no change
  - Buildings that are mostly powered by electricity will see a slight improvement
  - Buildings that consume a lot of gas will see a slight reduction
- NABERS will review and update the NGA factors periodically.



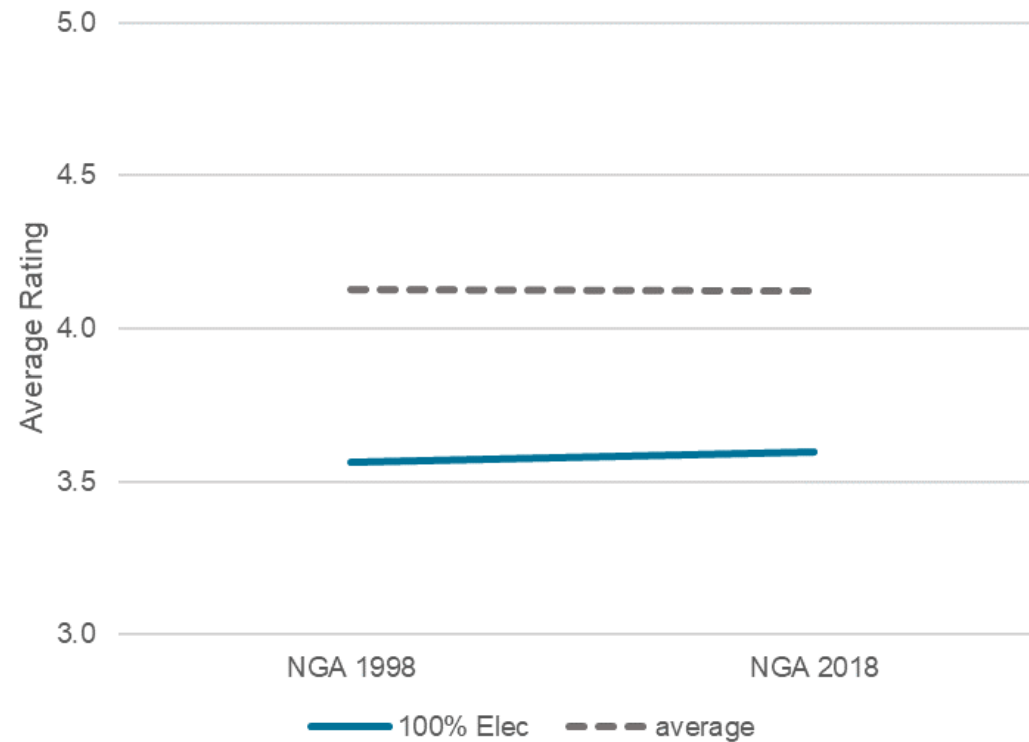
# How will this impact ratings?

Average NABERS Energy rating with updated NGA factors  
**Victoria**



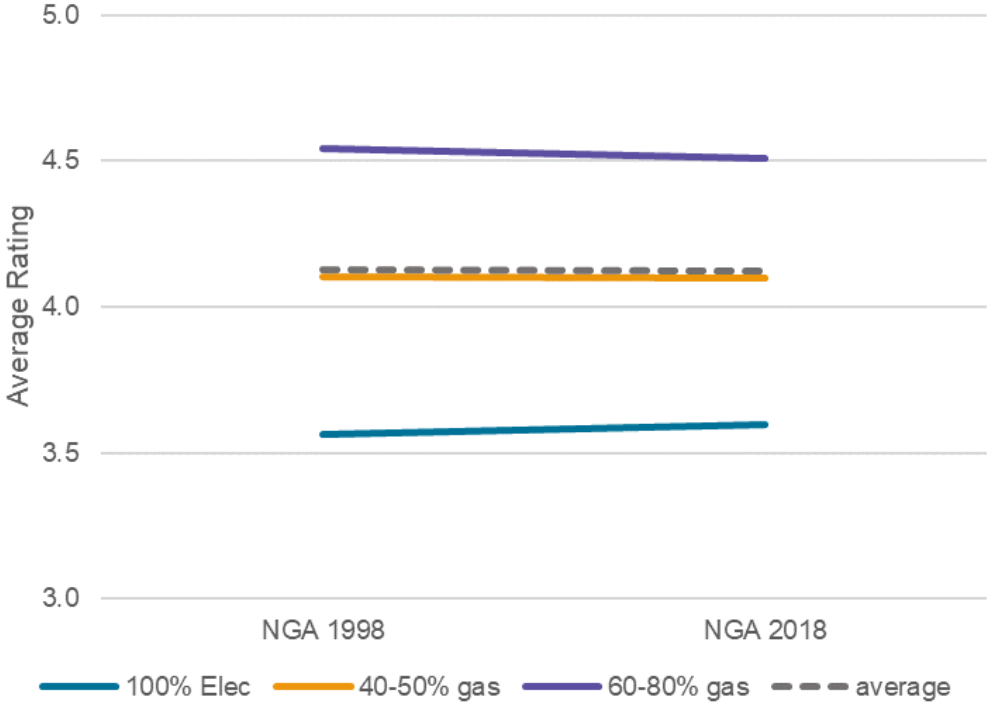
# How will this impact ratings?

Average NABERS Energy rating with updated NGA factors  
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# How will this impact ratings?

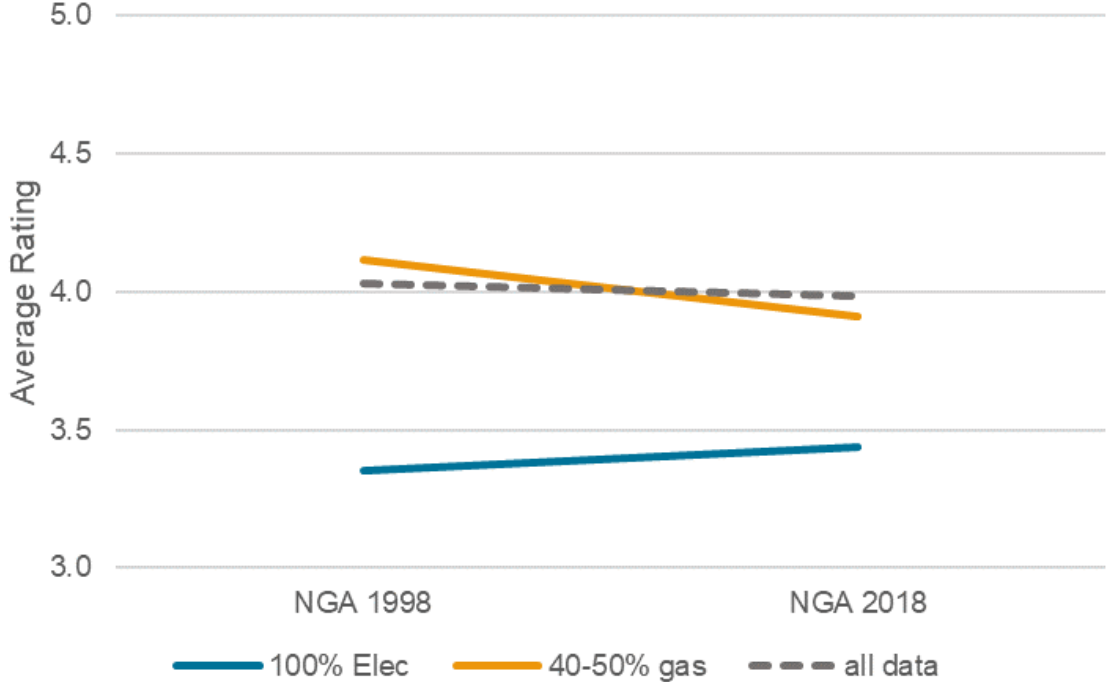
Average NABERS Energy rating with updated NGA factors  
**Victoria**





# How will this impact ratings?

Average NABERS Energy rating with updated NGA factors  
**South Australia**



## How can I prepare for this change?

- Attend NABERS information sessions
- Information pack to explain the change
- Let your stakeholders know about the change early
- Rating prediction tool

# Q&A

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**Corine Mulet, NABERS**

**#01** Background

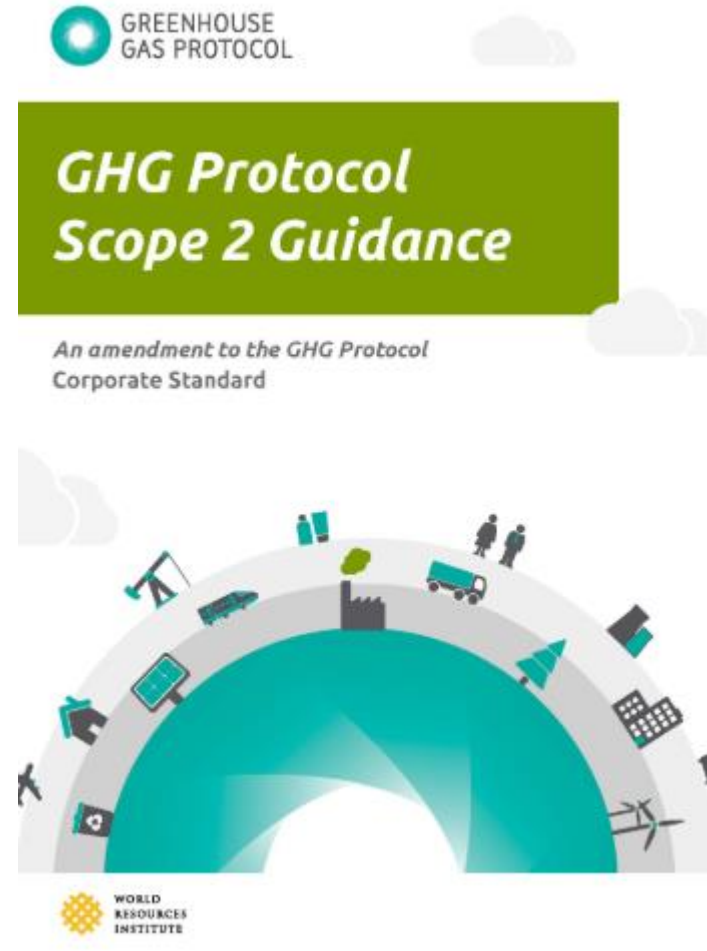
**#02** Update 1: Emissions factors

**#03** Update 2: Carbon Accounting  
method

**#04** Under consideration

# Aligning with International carbon accounting protocol

From July 2021, NABERS Energy with GreenPower will adopt 2 key measures from International carbon accounting protocol.



# What does this mean?

## 1. Renewable energy target

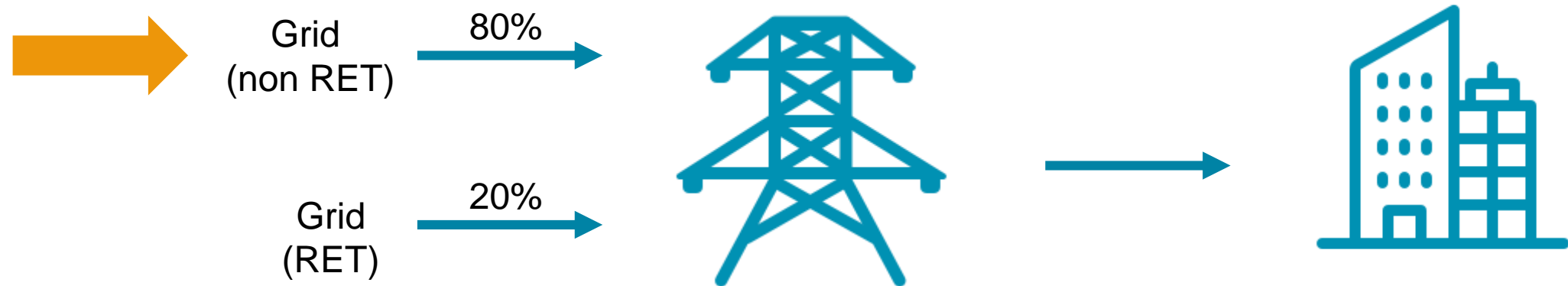
Buildings will no longer need to buy GreenPower for the portion of renewables in the grid from the Renewable Energy Target (RET).



# What does this mean?

## 1. Renewable energy target

Buildings will no longer need to buy GreenPower for the portion of renewables in the grid from the Renewable Energy Target (RET).



# What does this mean?

## 2. On-site Renewable Energy

Only LGCs generated on-site that are voluntarily surrendered can count towards a NABERS Energy with GreenPower rating.





# Update 2 – onsite solar systems

Only LGCs generated on-site that are voluntarily surrendered can count towards a NABERS Energy with GreenPower rating.



**#01** Background

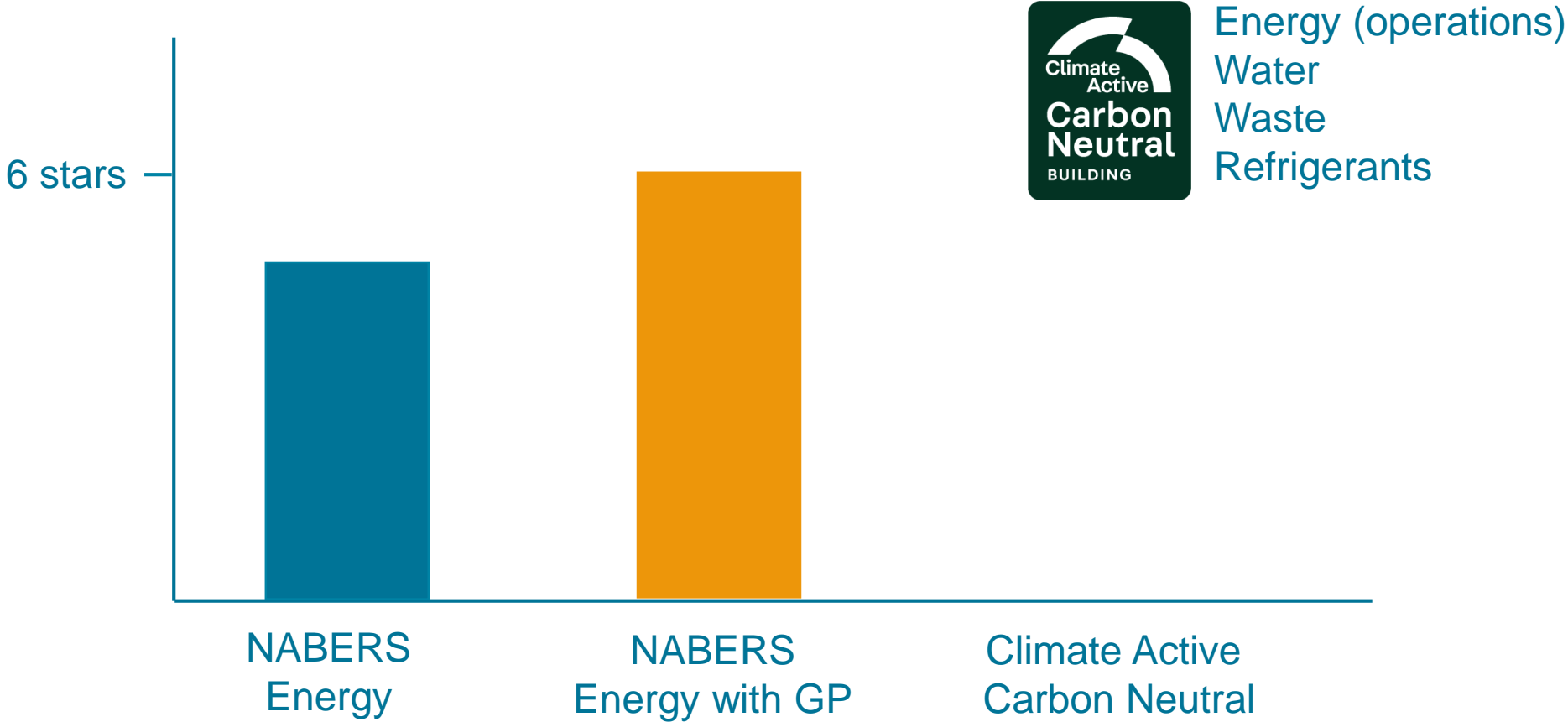
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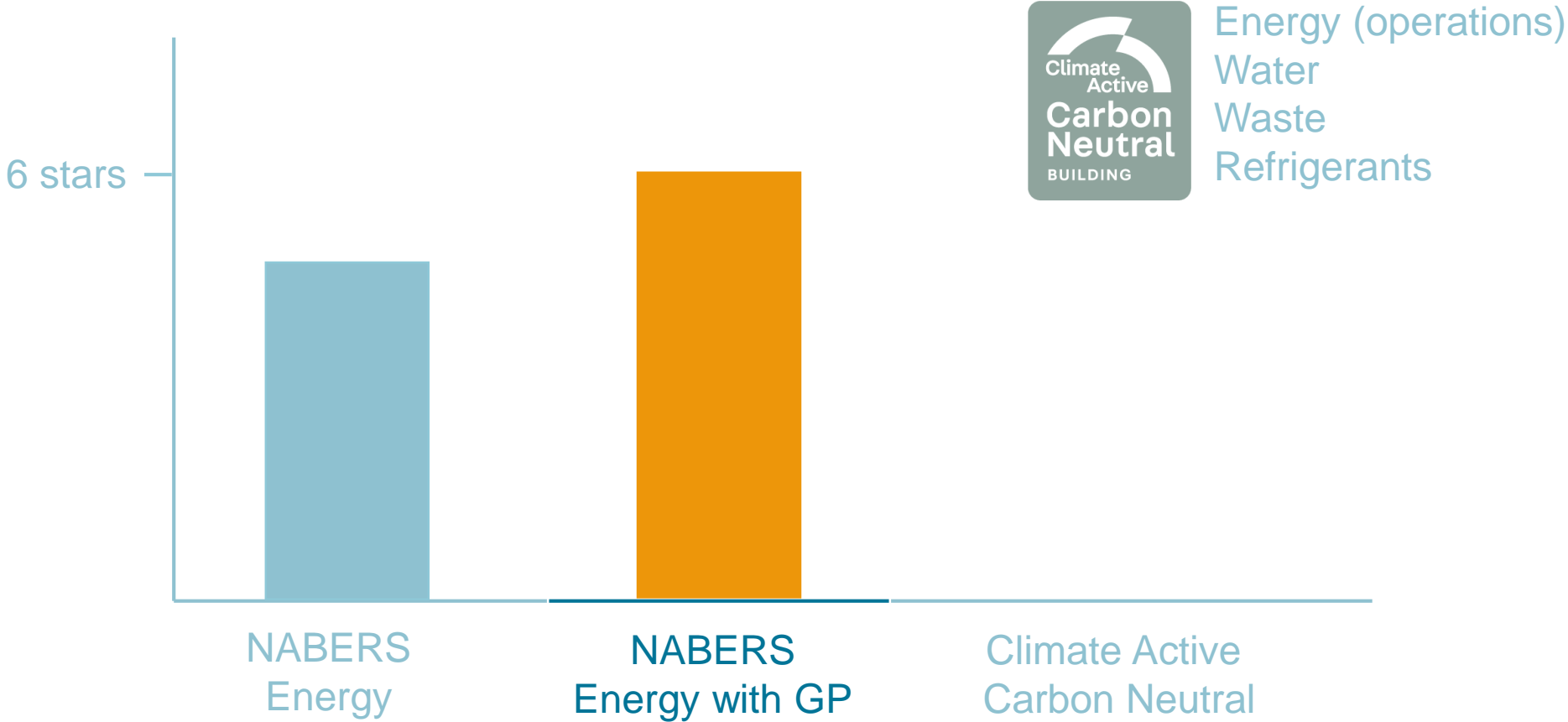
**#04** Under consideration



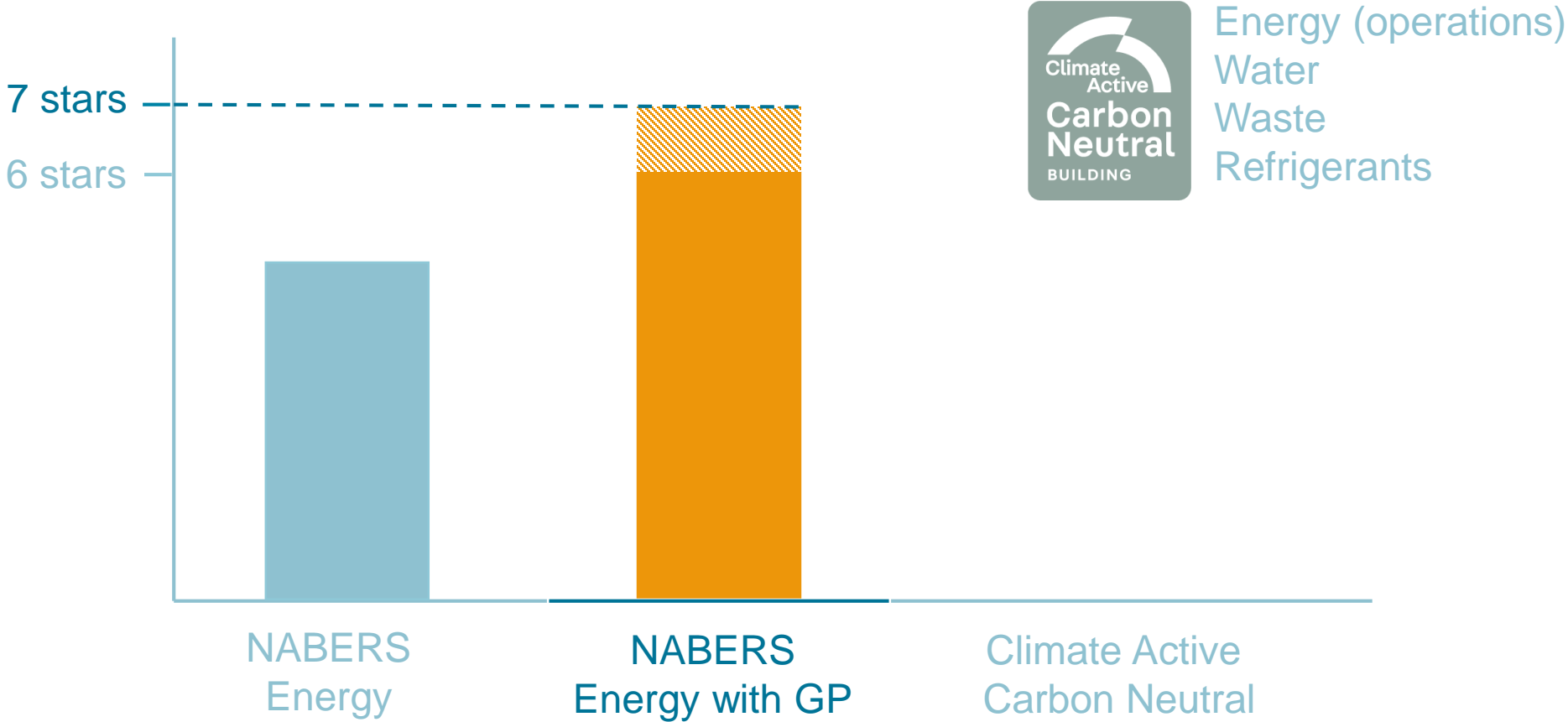
# Renewable energy purchasing options



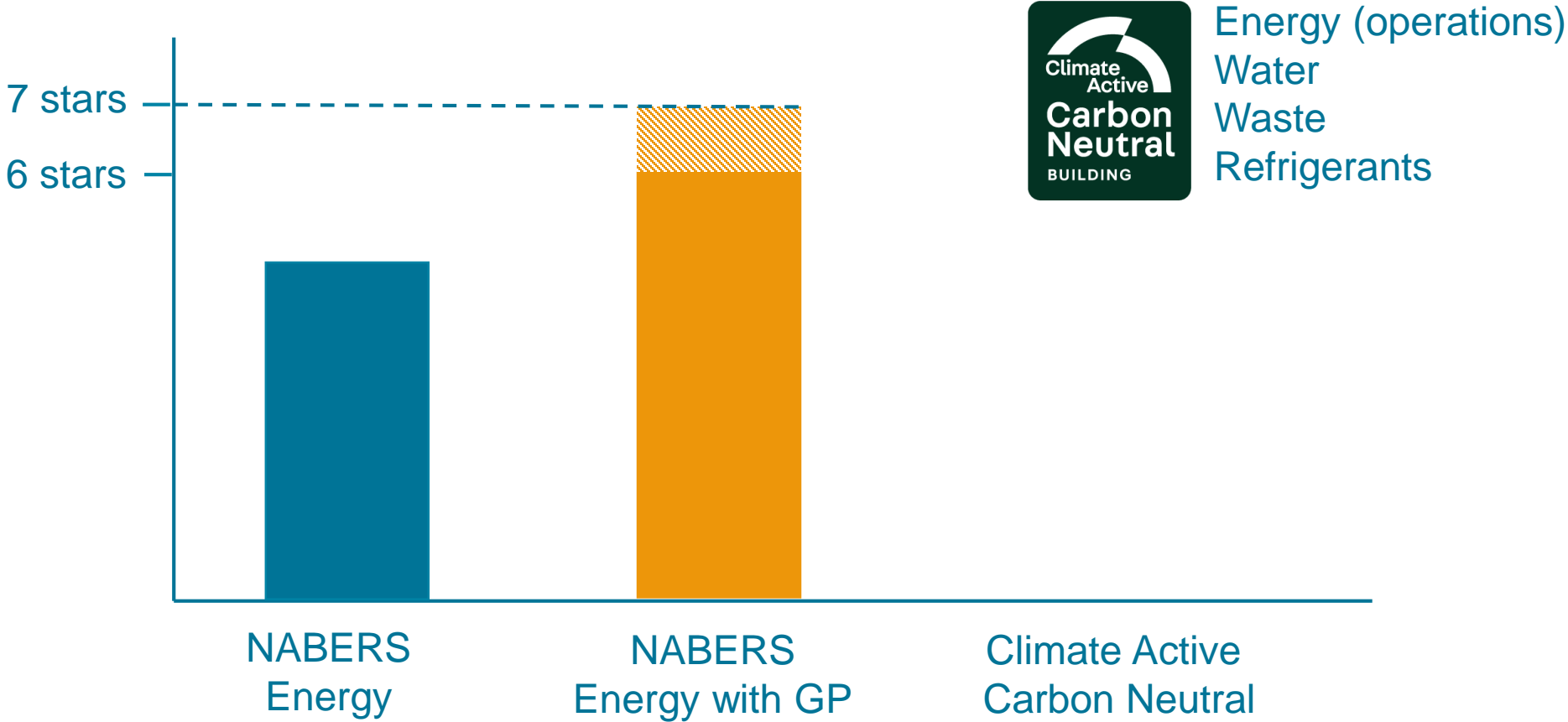
# Renewable energy purchasing options



# Net Zero energy emissions



# Net Zero energy emissions



# Q&A

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