



# Grid Modernisation Forum

Electricity Distribution Code review

10 Dec 2018





# Welcome

Sarah McDowell

Director, Energy



# Opening remarks

Dr Ron Ben-David

Chairperson



# Facilitator

Aaron Yuen

Senior Regulatory Manager,  
Energy Reform and Analysis



# Today's agenda

Time	Item
10:00 AM	Welcome and introductions
10:15 AM	Panel session
10:45 AM	Morning tea
11:00 AM	Workshop
12:15 PM	Next steps
12:30 PM	Lunch
1:30 PM	Close

## Today's purpose

In the context of the Electricity Distribution Code review

informing us of your **areas of interest and priority**

# Panel discussion

## Panellists:

**Cynthia Gebert**

Energy and Water Ombudsman (Victoria)



**Andrew Dillon**

CEO,  
Energy Networks Australia

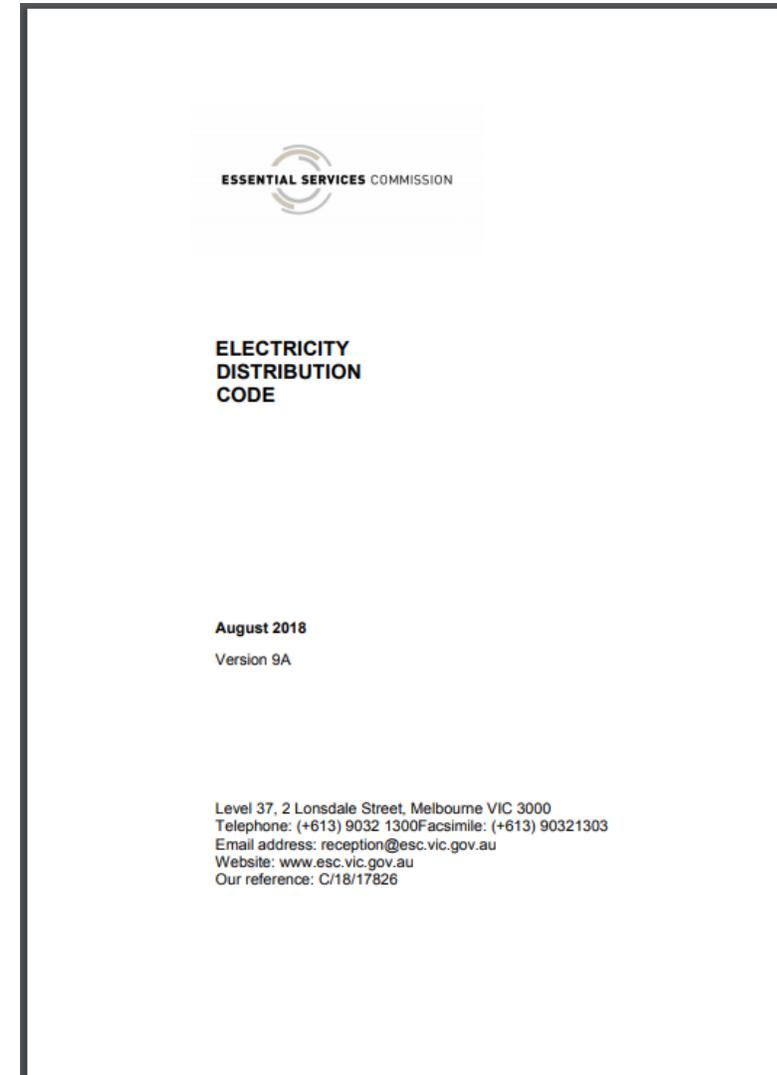
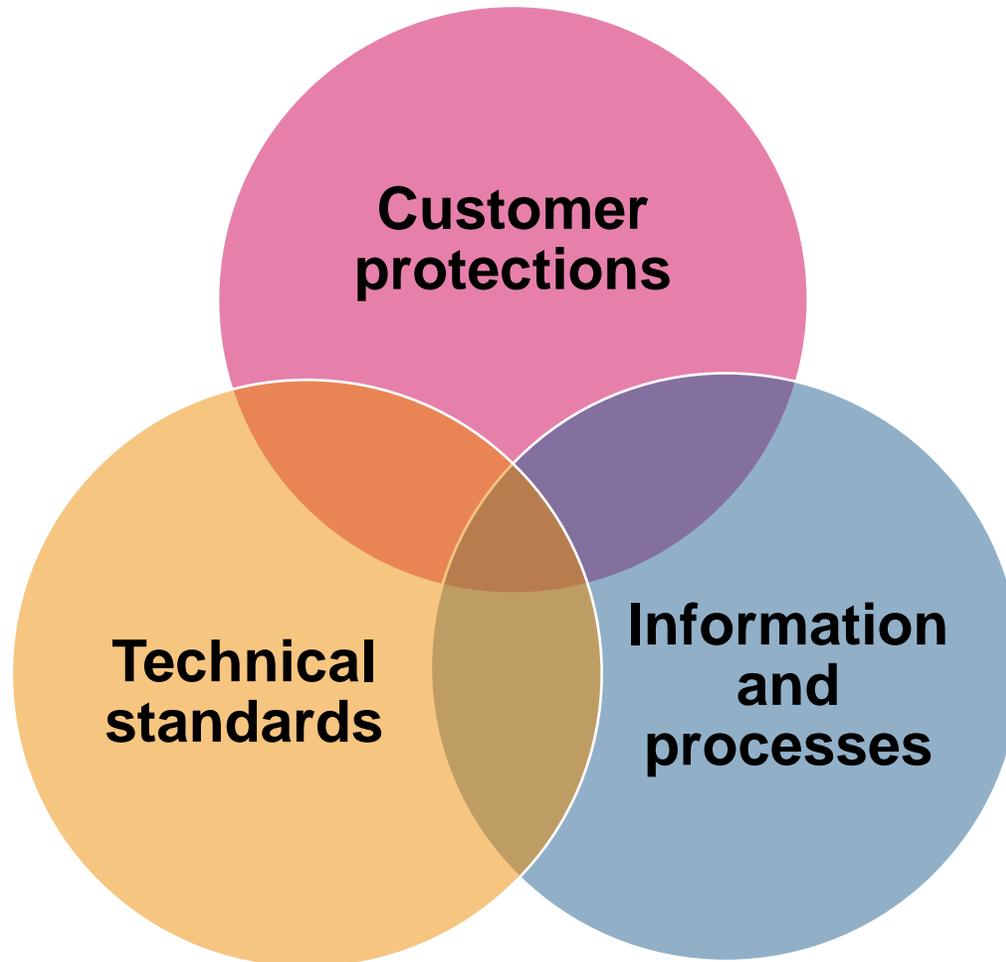
**Darren Gladman,**  
Director (Smart Energy),  
Clean Energy Council



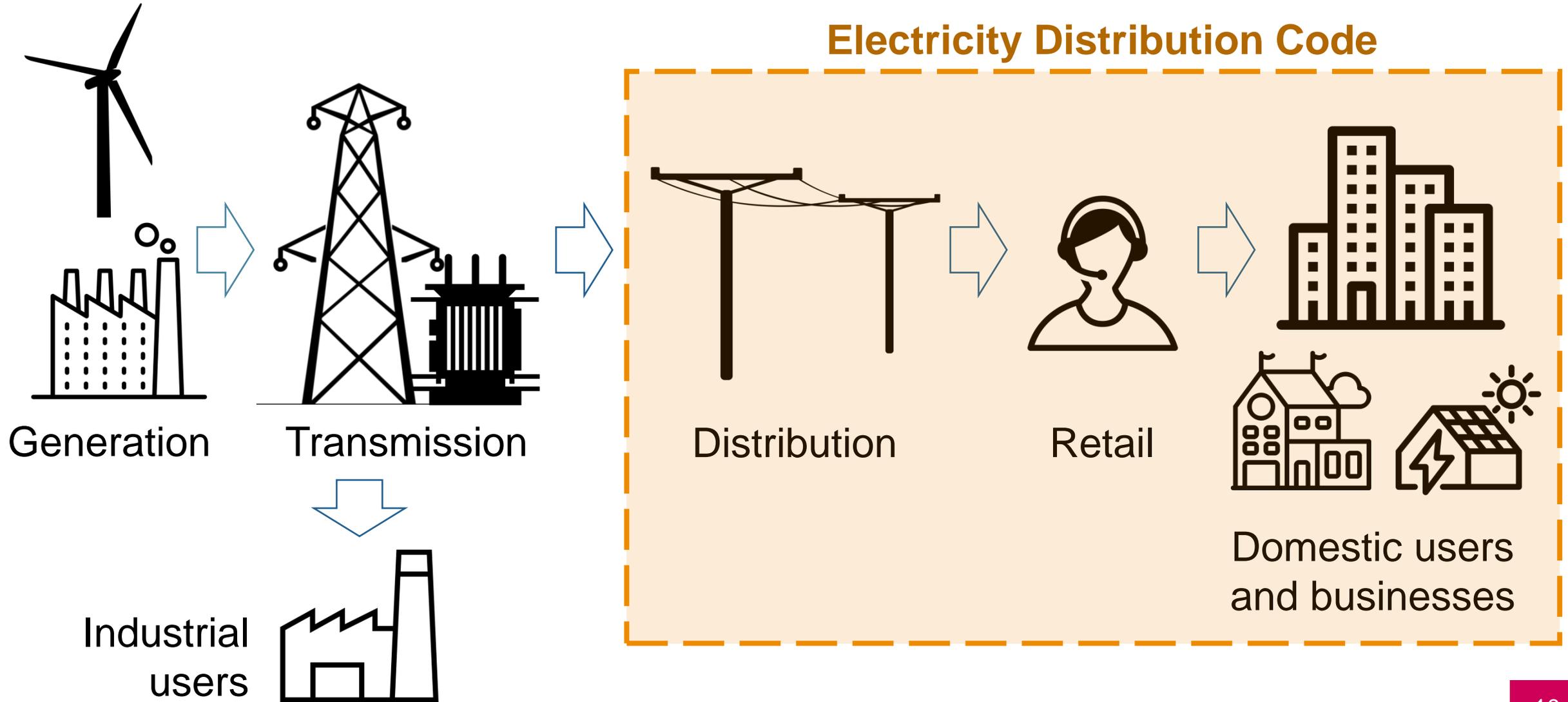
# Morning Tea

# Electricity Distribution Code

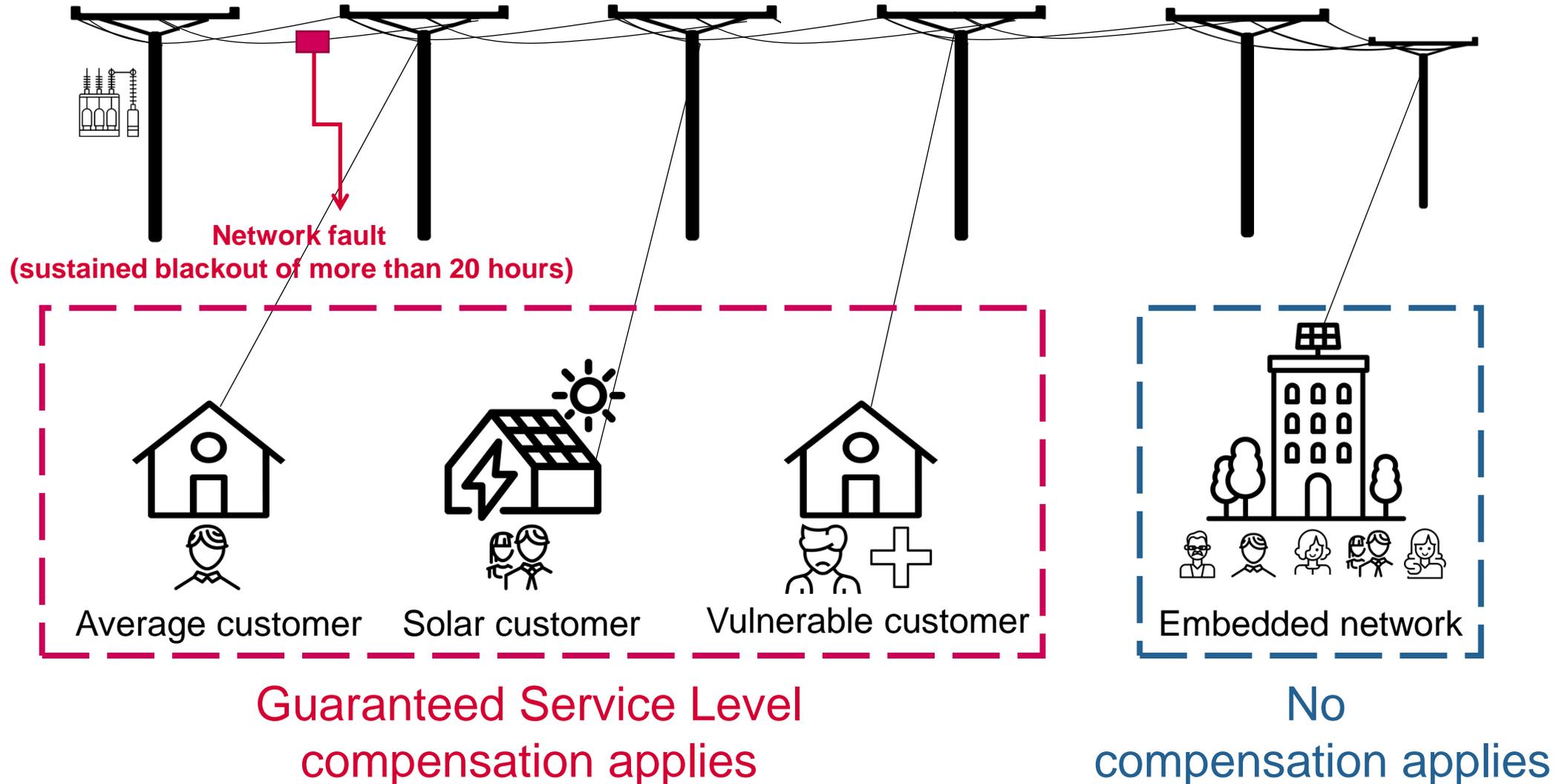
The Electricity Distribution Code (EDC) is...



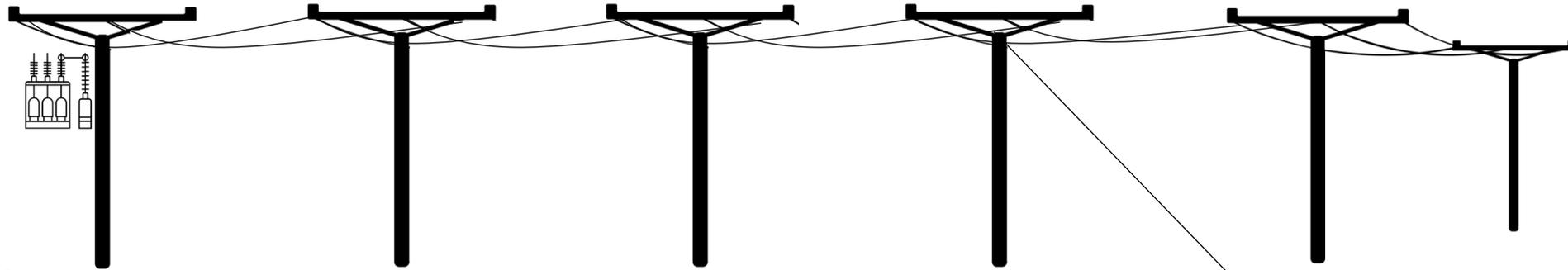
# Electricity Distribution Code – Where it applies



# Example 1: Customer protection – Guaranteed Service Level



# Example 2: Technical requirements – Voltage standards



EDC  
voltage limits

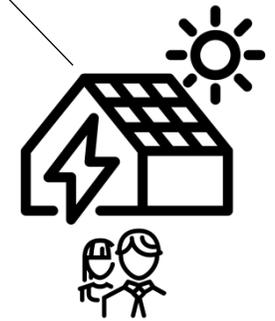
+10%

230V

-6%

Voltage profile of supply

Distance



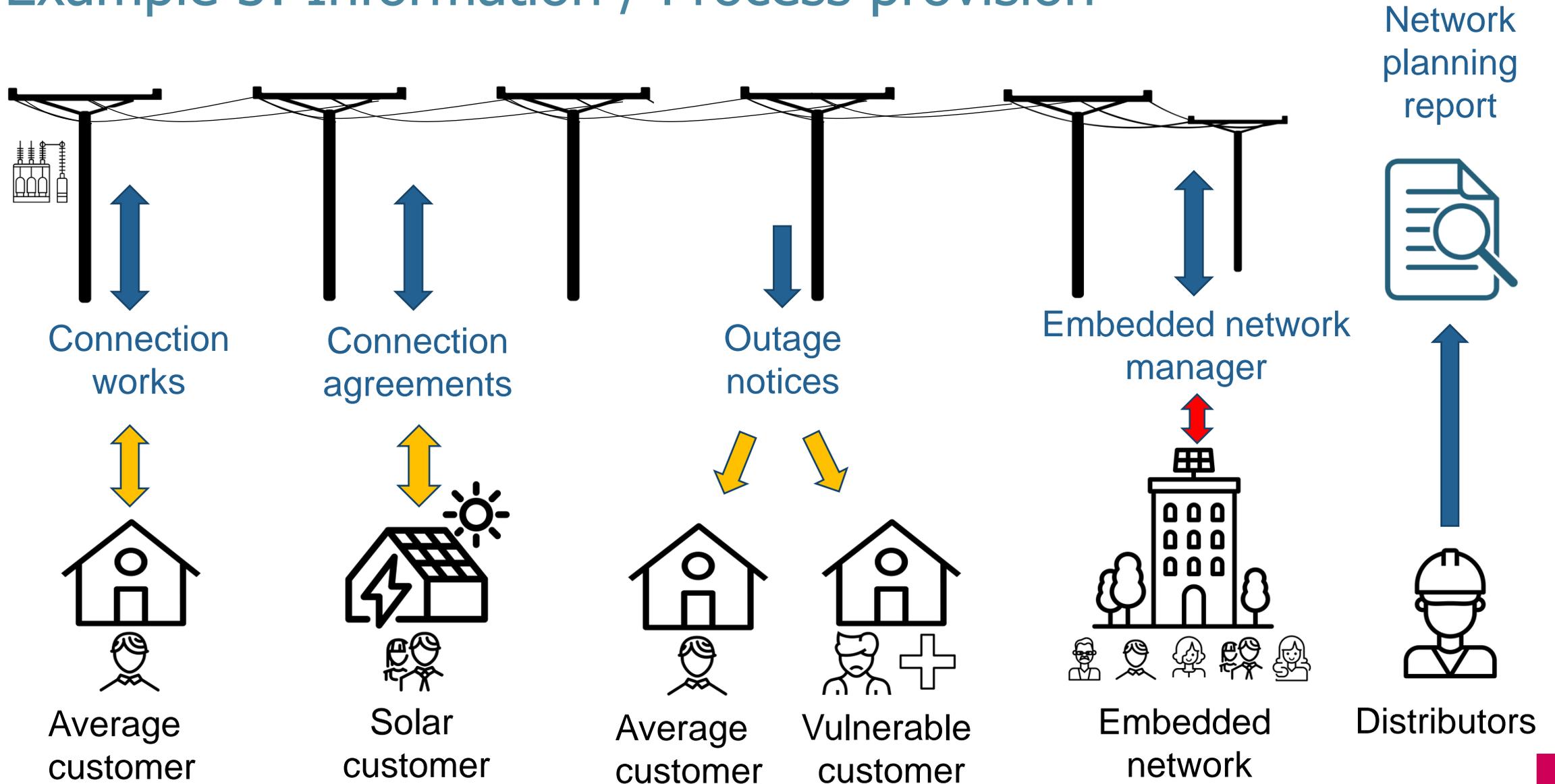
Solar customer

STANDARD NOMINAL VOLTAGE VARIATIONS				
Voltage Level in kV	Voltage Range for Time Periods			Impulse Voltage
	Steady State	Less than 1 minute	Less than 10 seconds	
< 1.0	+10% -6%	+14% -10%	Phase to Earth +50%-100% Phase to Phase +20%-100%	6 kV peak
1-6.6	± 6 %	± 10%	Phase to Earth +80%-100% Phase to Phase +20%-100%	60 kV peak
11	(± 10 % Rural Areas)			95 kV peak
22				150 kV peak
66	± 10%	± 15%	Phase to Earth +50%-100% Phase to Phase +20%-100%	325 kV peak

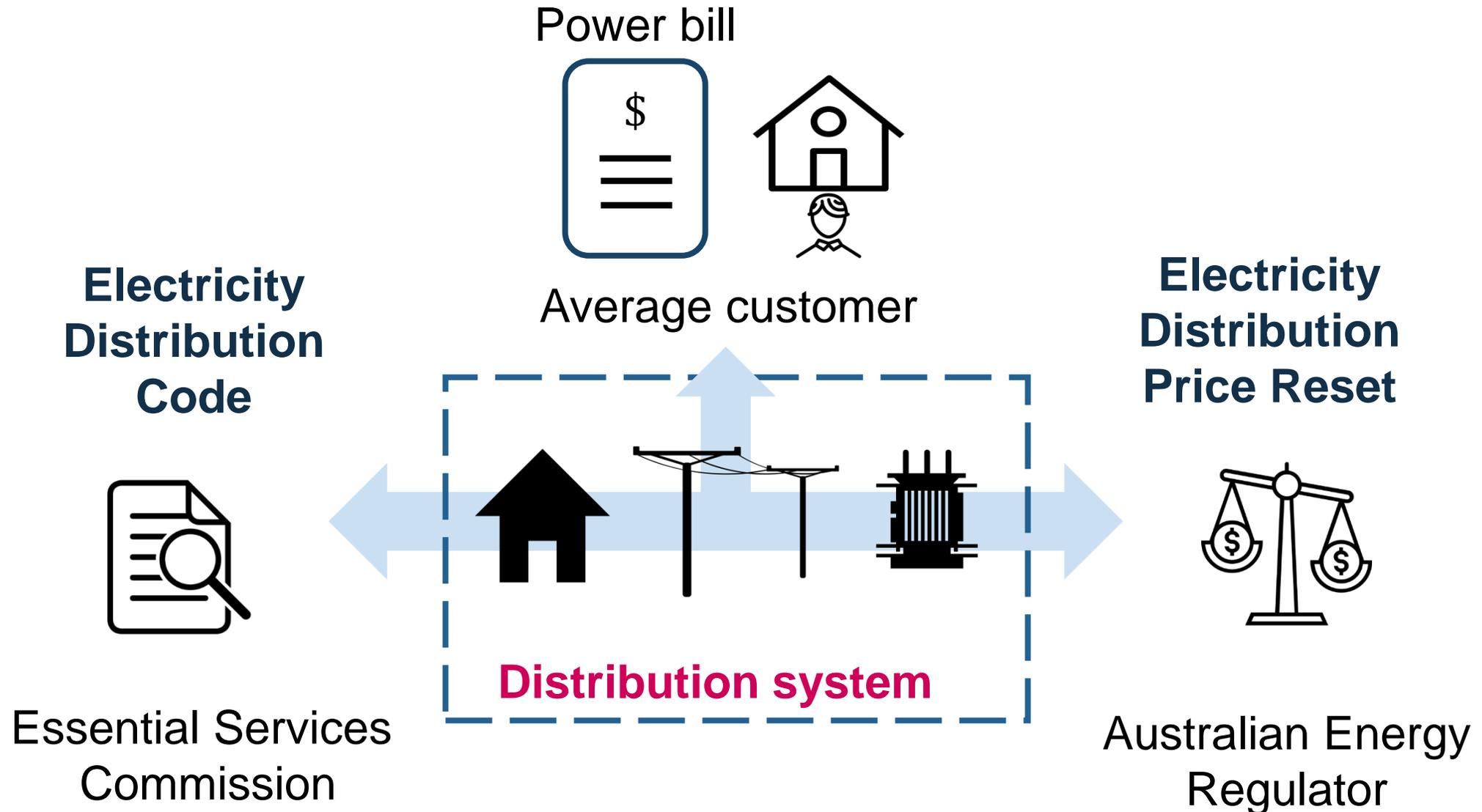
• Distributors to maintain supply voltage within code limits

• Solar customer to also maintain solar generation voltage within code limits

# Example 3: Information / Process provision



# Electricity Distribution Code - Network price relationship



## Activity 1 – Issues and opportunities

Considering the Electricity Distribution Code review, what are your **areas of interest**?

In silence, spend 10 minutes to:

- write down the **issues** or **opportunities of your sector** on the sticky notes provided
- write a brief description why the matter was raised
- place onto the most relevant category on the sheet.

## Activity 2 – Discuss and consolidate

Spend the next 20 minutes to:

- **discuss** the matters raised and
- **group** the sticky notes of similar issues within the categories.

## Activity 3 – Prioritisation

Using the **round dot** labels provided, place the dot labels onto the issues or opportunities which are of most interest to **you**.

## Forum feedback

Group speaker to report back to the forum the **top two** matters with the most number of **round dot** labels.

Please provide a short summary of what the group discussed regarding these two matters.

## Next steps

- The forum marks the beginnings of the Electricity Distribution Code review
- From early 2019:
  - we will continue to engage with you on the areas of interest as informed by today's forum
  - we will let you know more information about our plans and timings for the review

# Questions



# Continue the conversation

## Contact details:

Email [EDC.review@esc.vic.gov.au](mailto:EDC.review@esc.vic.gov.au)

	<u><a href="http://www.esc.vic.gov.au">www.esc.vic.gov.au</a></u>
	<a href="https://www.linkedin.com/company/essential-services-commission">/company/essential-services-commission</a>
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Thank you