



Western Cape  
Government

**FOR YOU**

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# PCS: Solar PV Session 5 August 2022

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# Three spheres\* of government

## **National**

Makes laws and holds government accountable  
Governs the country  
Upholds the laws

## **Energy context**

Governs Eskom, the majority of generation and transmission  
Distributes to certain areas  
Governs public procurement of energy through DMRE

## **Provincial**

Developing the economy and improving services

## **Energy context**

Supports local municipalities through studies and capacity support  
Provides higher level planning  
Coordinate lobbying to national

**This is us!**

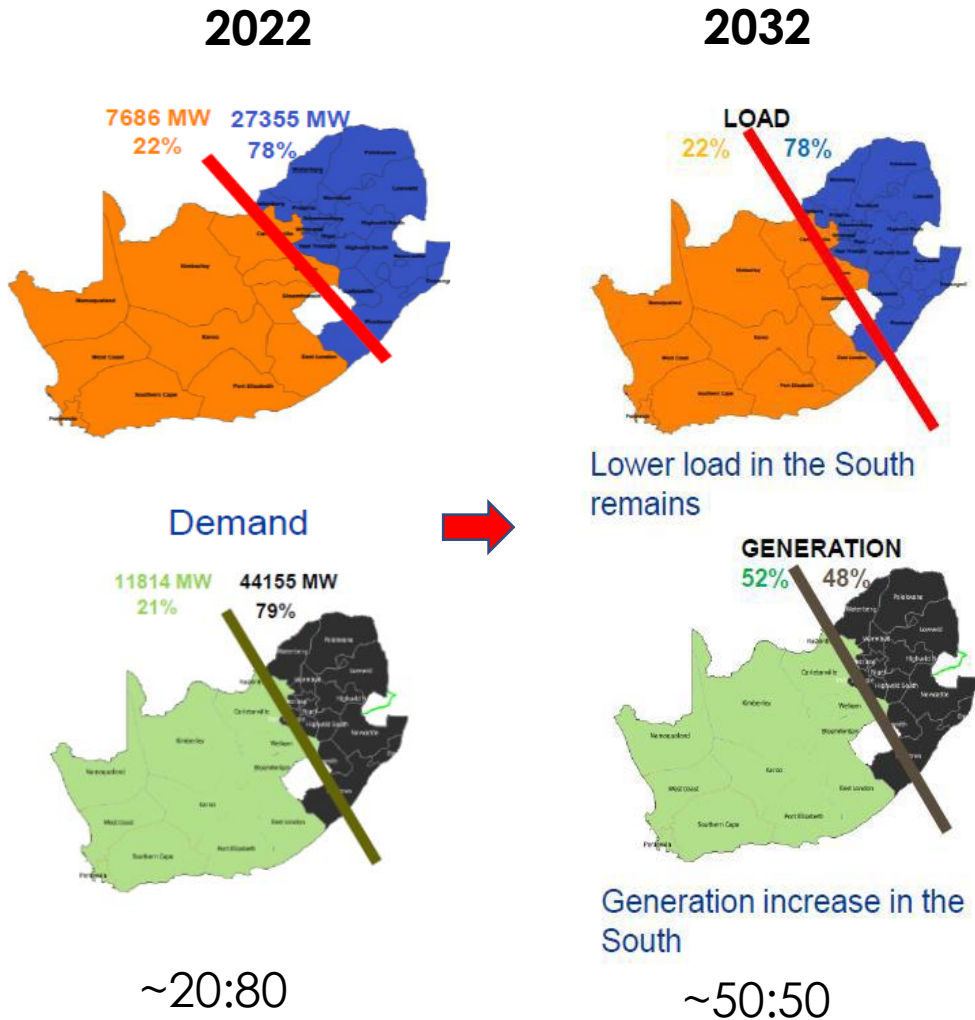
## **Local**

Provide basic services  
Promote safe and healthy environment  
Community development

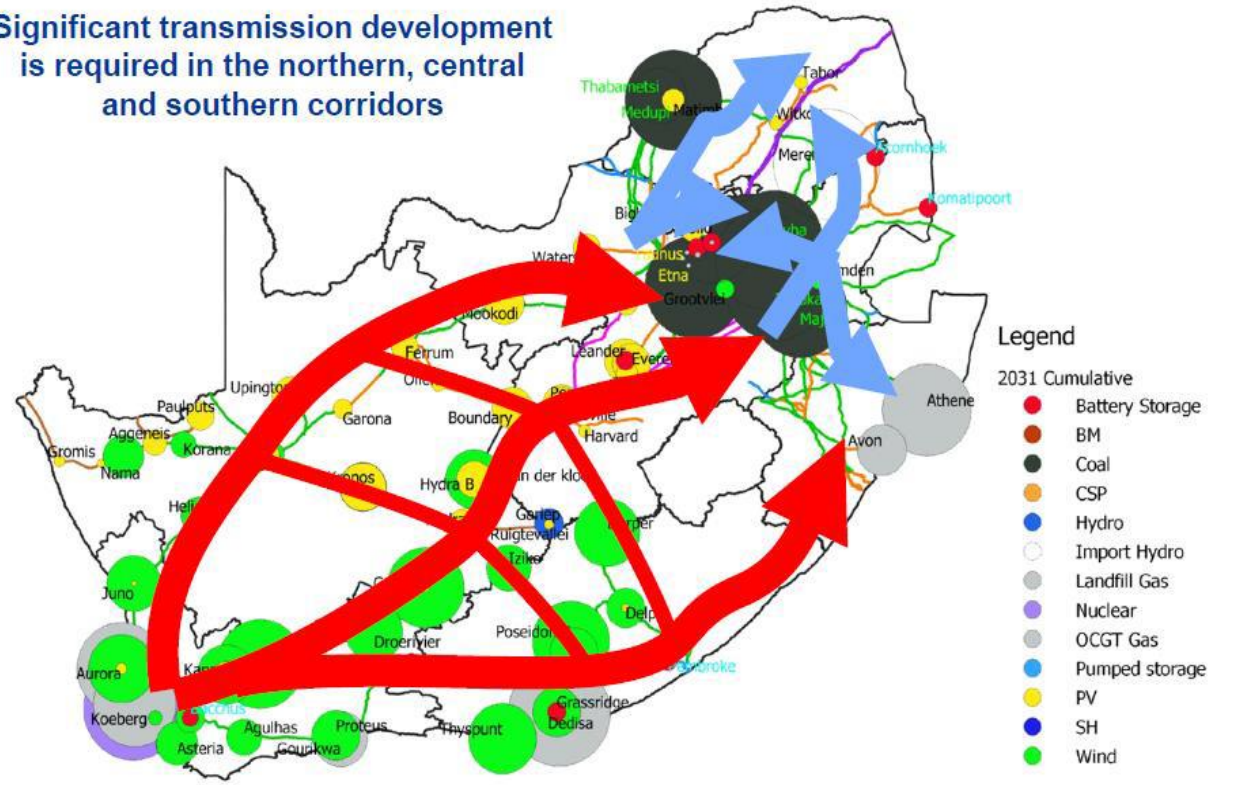
## **Energy context**

Distributes electricity to citizens  
Responsible for the upkeep of the grid  
Almost exclusively procuring from Eskom now

# The changing shape of energy generation in South Africa

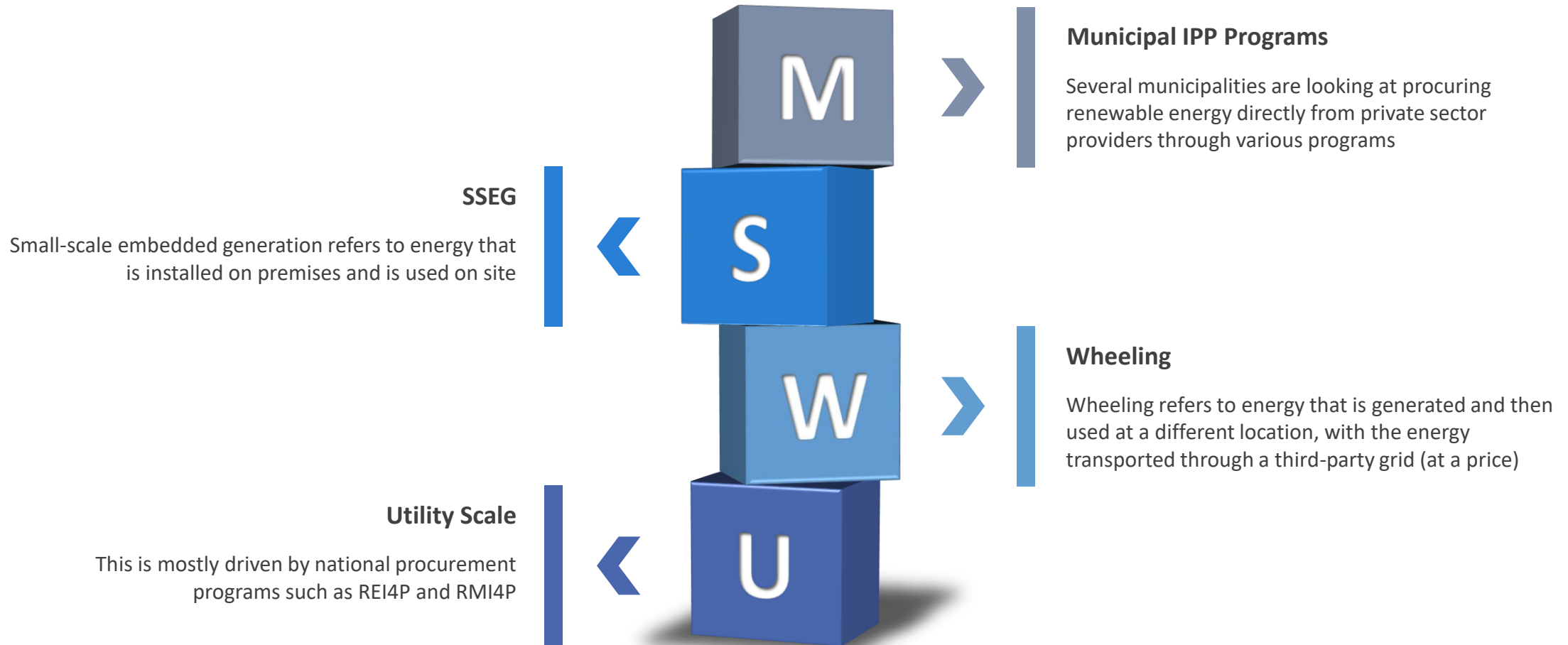


Significant transmission development is required in the northern, central and southern corridors

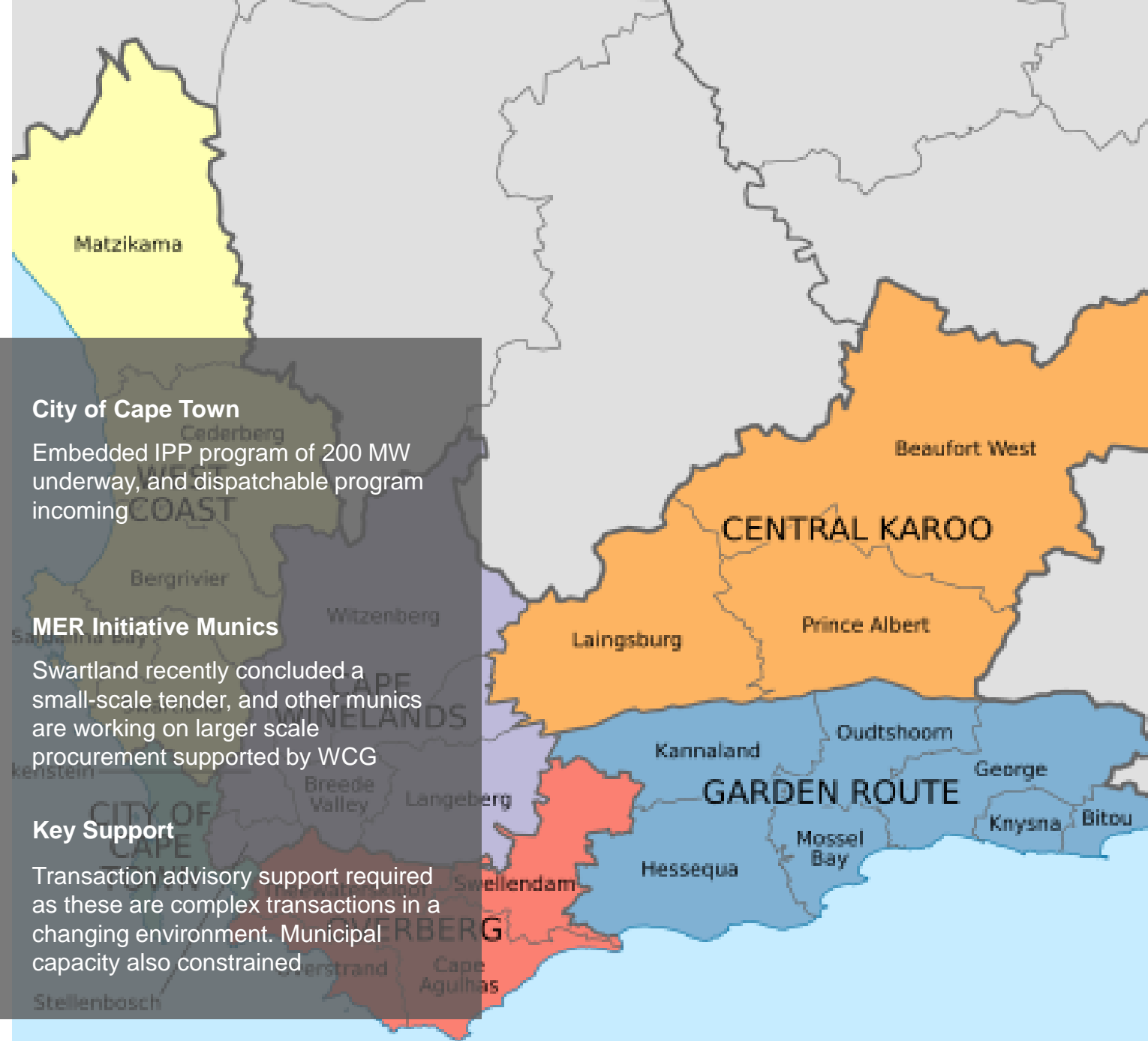


**Most of our power currently comes from Coal in the North**

# Where is the demand coming from?



# MUNICIPAL IPP PROGRAMS



## City of Cape Town

Embedded IPP program of 200 MW underway, and dispatchable program incoming



## MER Initiative Munics

Swartland recently concluded a small-scale tender, and other munics are working on larger scale procurement supported by WCG



## Key Support

Transaction advisory support required as these are complex transactions in a changing environment. Municipal capacity also constrained

Who is buying what?

# SSEG

Progressing well



## SSEG Rules

22/25 munics allow SSEG, 21 have feed-in tariffs. Support will continue to look at improving/expanding



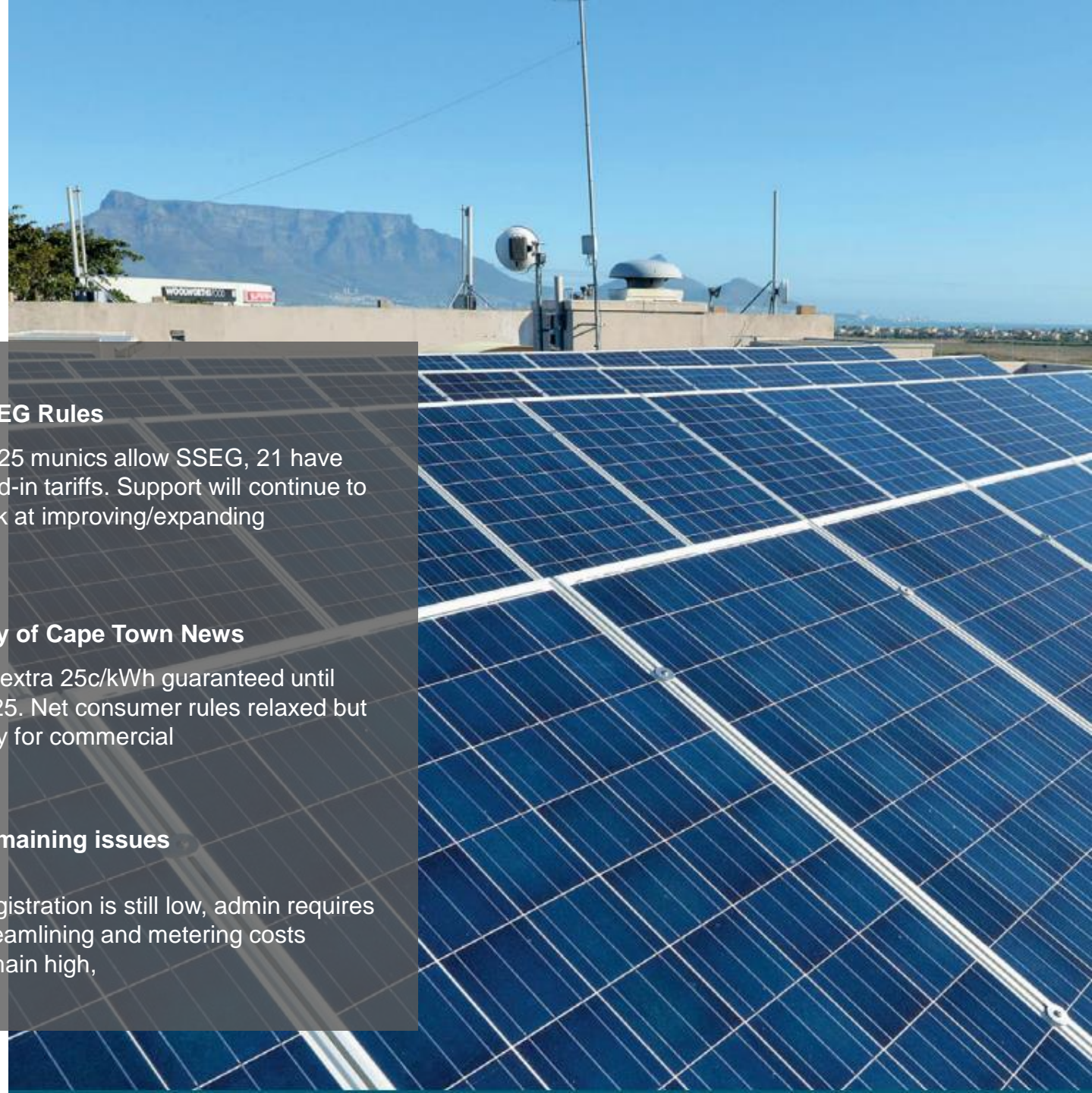
## City of Cape Town News

An extra 25c/kWh guaranteed until 2025. Net consumer rules relaxed but only for commercial



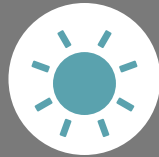
## Remaining issues

Registration is still low, admin requires streamlining and metering costs remain high,



# WHEELING

Under  
development



## Massive interest from private

Now seems to be driven mostly by carbon goals and not cost!



## Eskom allows wheeling

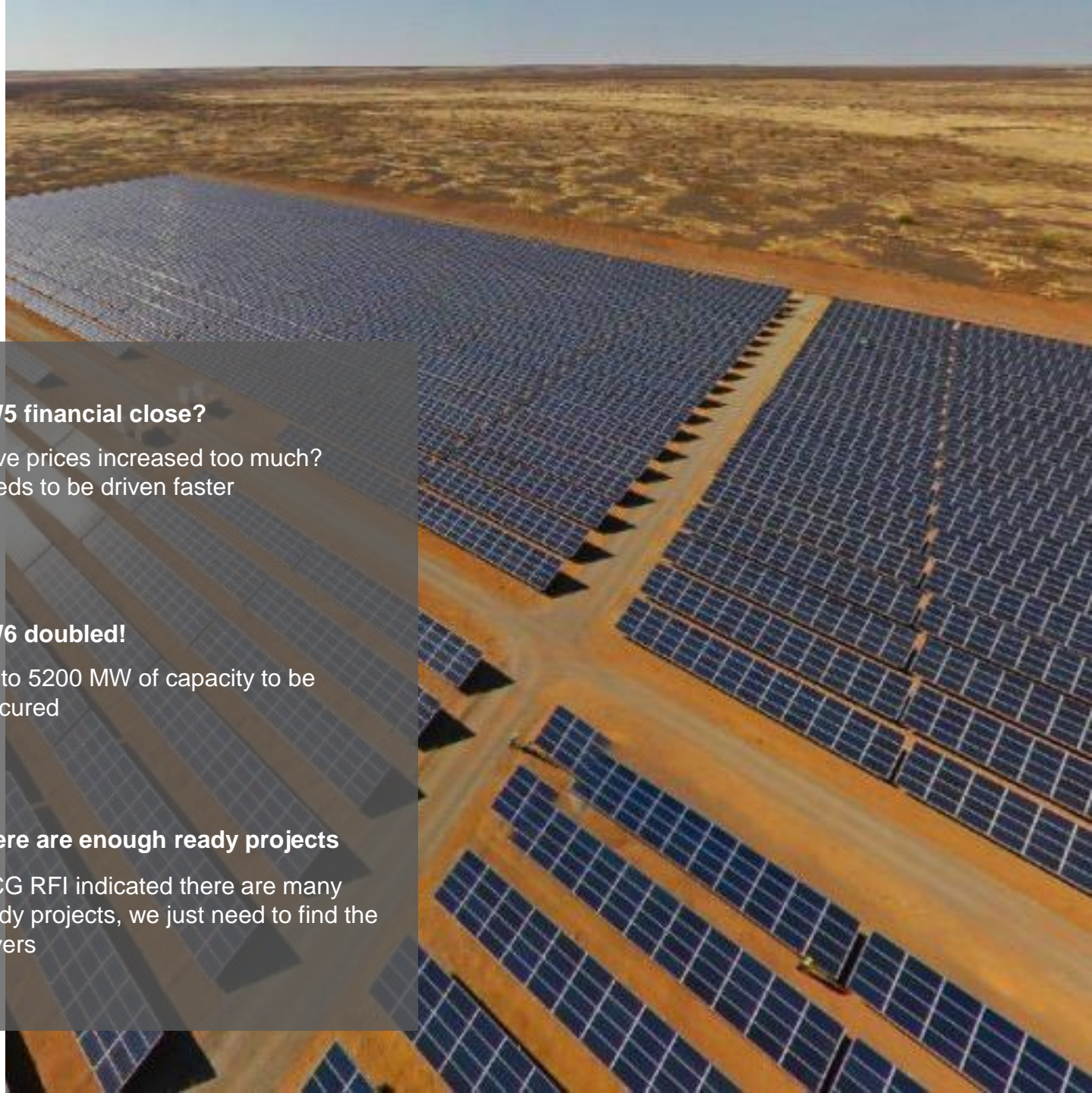
Theoretically Eskom-to-Eskom wheeling is easy, and Eskom-munic can be done if munic is financially sound



## Work underway to get more munics ready

Support provided to several munics, and other general support underway. George and CoCT pilots progressing

# UTILITY-SCALE



## **BW5 financial close?**

Have prices increased too much?  
Needs to be driven faster



## **BW6 doubled!**

Up to 5200 MW of capacity to be  
procured



## **There are enough ready projects**

WCG RFI indicated there are many  
ready projects, we just need to find the  
buyers

Lots of projects  
incoming



# The WCG has been driving energy resilience work for some time

SSEG (solar PV support to develop & update to all WC munis):

- SSEG frameworks (24 WC, 69 SA munis);
- SSEG feed-in tariffs (21 WC, 33 SA munis).
- WC work used nationally.
- WC munis: up to end 2019/20 – 167 MW; 2020/21 – 2021/22 - 107MW registered systems (est. only 50% of systems registered previously)



Support to drive businesses solar PV uptake – annually: 20 businesses directly supported with technical & financial info; 10 of these with analysis of PV developer offer. In 2021/22, 14 businesses supported in previous yr were undertaking procurement of PV systems.



Wheeling support

- Framework & wheeling tariff development for 7 municipalities – big interest from businesses



Support to green economy investors in WC:

- Establishment of the Atlantis SEZ for Greentech
- Direct engagements &
- >10 000 downloads of the energy & water Market intelligence reports annually





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The sector is primed for massive growth, who will be delivering on it?

Thank You!