



69TH AMEU CONVENTION

1 - 4 October 2023

CSIR International Convention Centre

Confronting South Africa's Electricity Crisis in the context of a 'Balanced Just Energy Transition' (BJET) and the need for a reliable and resilient national electricity grid

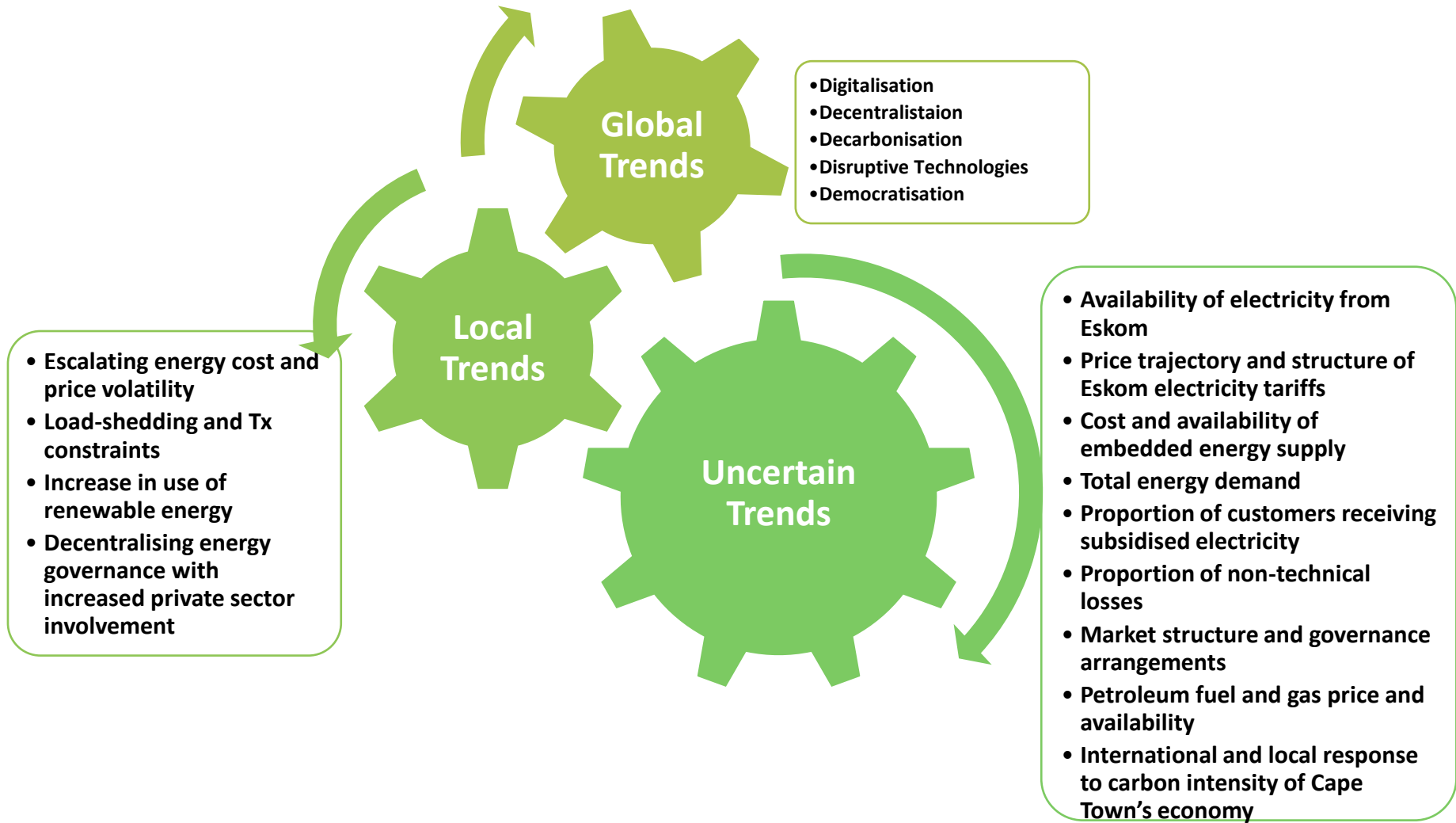
A balancing act: The City of Cape Town's Energy Strategy as a tool to navigate short term crises in the context of long term transition in the energy sector

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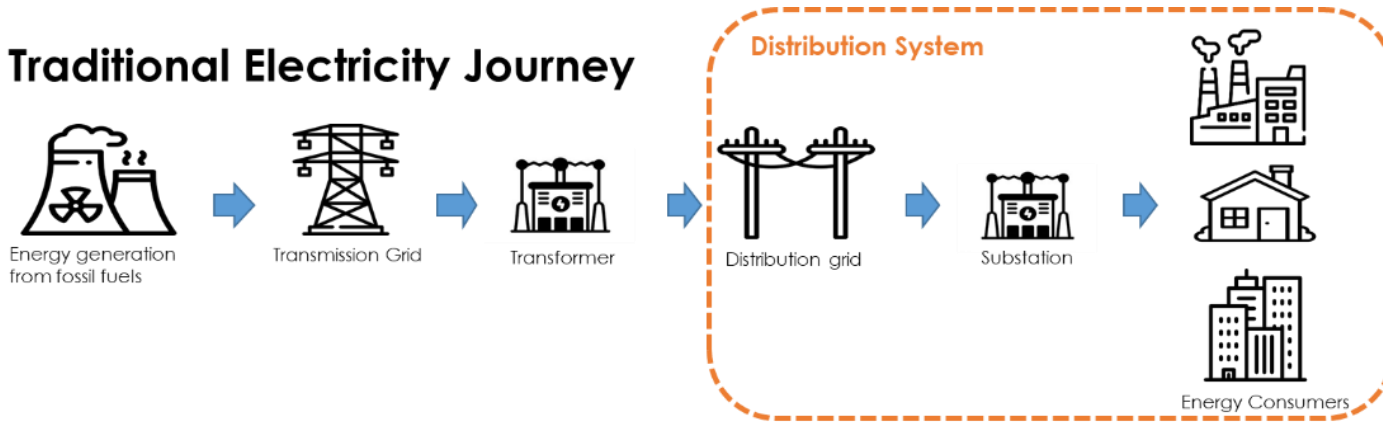
Executive Director: Energy Directorate, City of Cape Town

Key drivers of change in Cape Town's Energy System

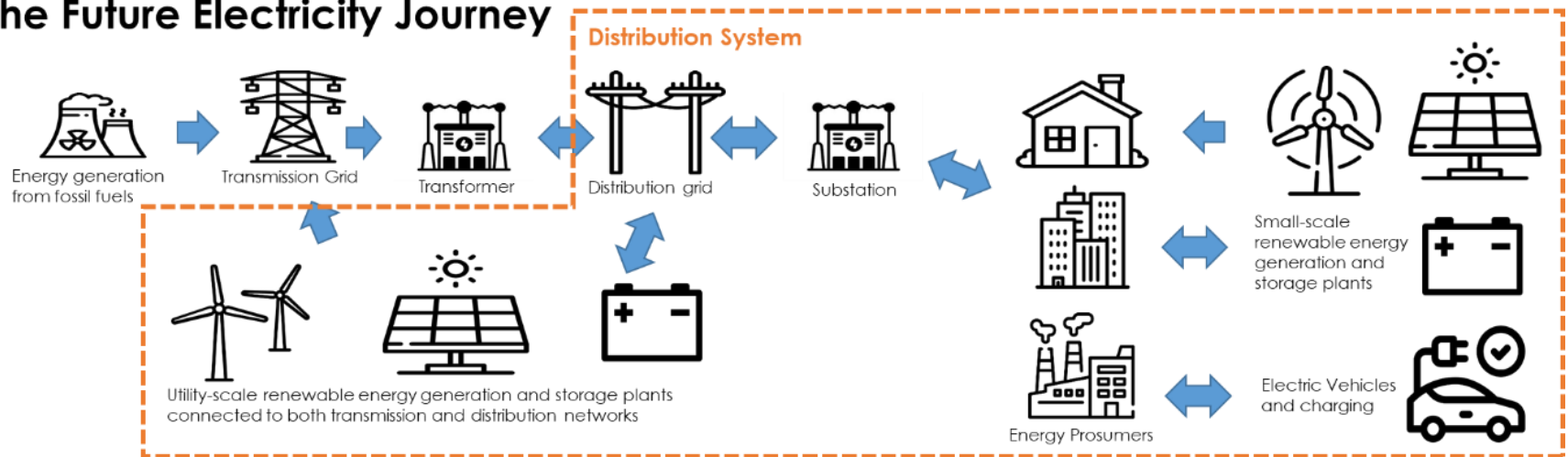


How the drivers of change are impacting the distribution system

Traditional Electricity Journey



The Future Electricity Journey



Overview of the City of Cape Town's Draft Energy Strategy

Vision

Energy Security for a prosperous Cape Town. Together, we can build a resilient energy system where all residents and businesses have access to reliable, affordable, and carbon neutral energy.

Principles

Reliability: Energy is available when it is needed
Affordability: Ability to pay without compromising other needs
Carbon Neutrality: limiting greenhouse gas emissions
Resilience: The capability to adapt to change and disruption

Commitments

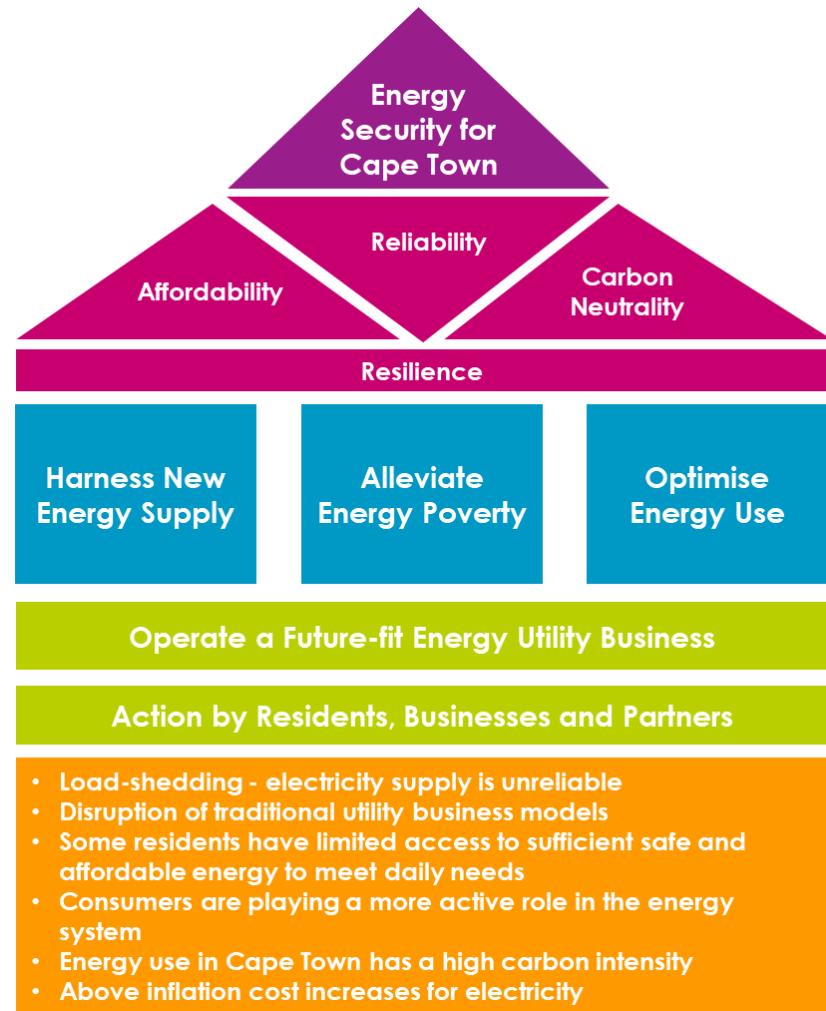
The City's commitments to deliver, enable and partner with stakeholders to build a resilient energy system to support social and economic development.

Enablers

The ability to succeed in these commitments will depend on the actions by many people and corresponding changes made in how the energy utility operates.

Shifts & Stresses

The energy sector is changing at a rapid pace and scale with a number of key shifts and stresses affecting every aspect of Cape Town's energy system.



Energy Strategy's Prioritisation Framework

Short Term (by 2026): Increase capabilities to mitigate against up to 4 stages of load-shedding

Due to the current severity and frequency of load-shedding and the devastating impact this is having on the economy, it is necessary to prioritise interventions and investments that will directly contribute to stabilising electricity supply in the short term.

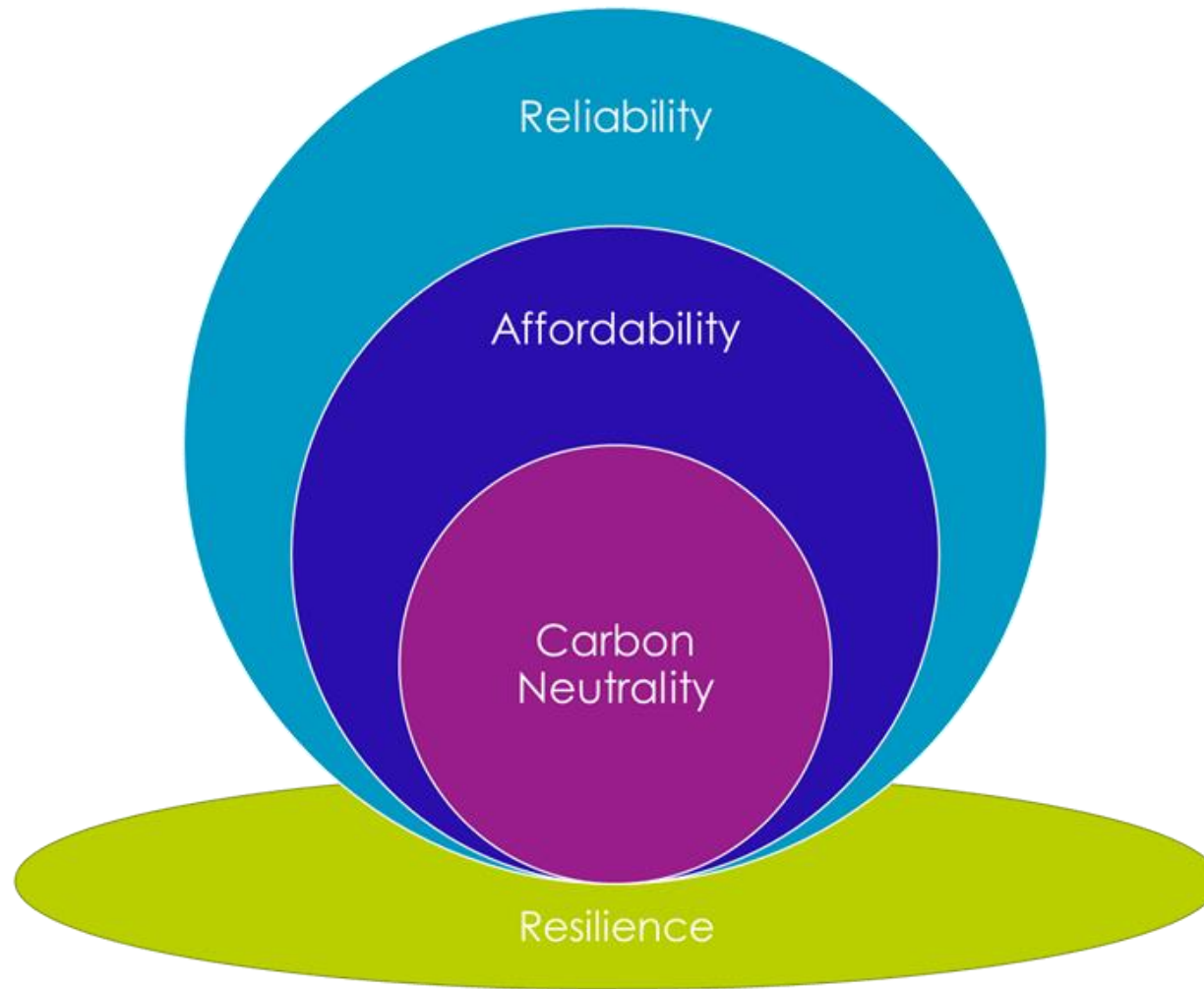
Medium Term (by 2031): Reforms implemented to maintain a modernised and financially sustainable electricity utility

In the medium term, a financially resilient and operationally efficient electricity utility is critical to ensure the long term provision of core utility services, such as network service provision and the continued provision of the energy social package to economically vulnerable households.

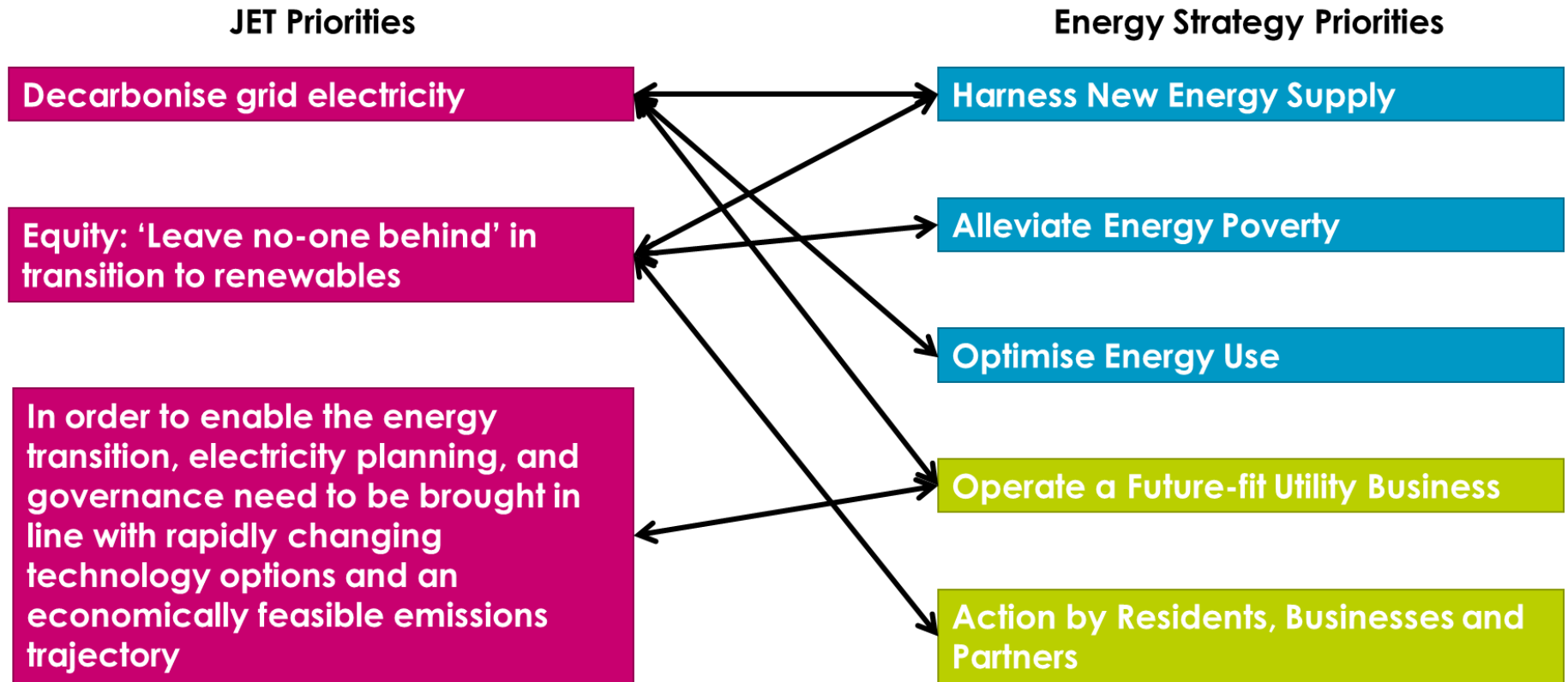
Long term (by 2050): Transforming the energy system to be carbon-neutral

In line with global, national, and local climate commitments for carbon neutrality by 2050, it is critical that the carbon intensity of the energy system is reduced, as a major contributor to greenhouse gas production. This not only speaks to the sources of energy used, but also ensuring that the systems and value chains are in place to support a carbon neutral energy system.

Energy Strategy's Prioritisation Framework



Framing the Draft Energy Strategy in the context of the National Just Energy Transition Framework



Conclusion

Key mechanisms used in the City of Cape Town's Energy Strategy to address short term crises while navigating the longer term transition:

- The collaborative approach to its development across the City and with other key stakeholders
- By identifying and communicating both the predictable and uncertain trends that underlie the evidence base and assumptions upon which the Energy Strategy is developed along with a commitment to regularly assess these and update the Energy Strategy to ensure it stays relevant
- By developing a prioritisation framework that aims to make decision-making and trade-offs more transparent to municipal leadership and the public
- Ensuring alignment with the national JET Frameworks in a way that is strategically aligned to City context and priorities

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Thank you!

