

Wheeling in Municipalities

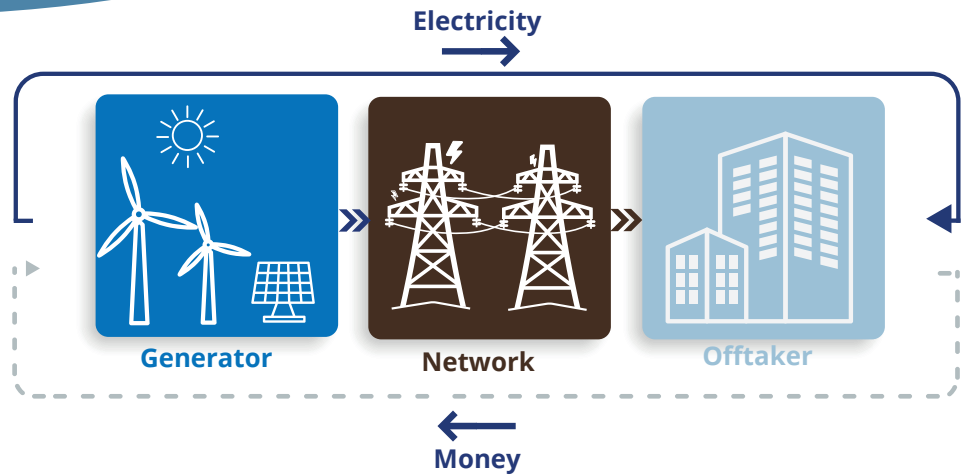


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Western Cape
Government
Economic Development
and Tourism

Wheeling refers to the use of Eskom/Municipal grids to transport electricity from a private generator to a private offtaker



01 Municipal Revenue

ZERO IMPACT

A comprehensive model shows that wheeling has zero impact on municipal revenue using surplus-neutral tariffs.

02 Offtaker Savings

3X MORE SAVINGS

Monthly time of use billing allows offtakers to consume 3X more wheeled energy than half-hourly billing.

03 Payback

5 YEARS PAYBACK

Wind generators have a 5 year payback wheeling at a PPA of R1/kWh.

04 Jobs

22 YEARS

22 full-time equivalent job years are created per MW of embedded wheeling.

05 Service Delivery

CUSTOMER GROWTH

Municipalities that offer services like wheeling will build customer trust leading to customer retention and growth.

06 Emissions

80% OF LPUS

80% of large power users interviewed aim to reduce their emissions. Wheeling allows this.

Recommendations to Municipalities

01 Engage and learn

This is a complex new field which will require committed individuals to drive the process in municipalities.

02 Develop billing system

Most billing systems are not capable of processing the transactions required for wheeling. Billing system upgrades are inevitably required.

03 Develop contracting capacity

Third-party grid access requires contracting that is fair for all parties. Legal departments will need to upskill to ensure fair contracting terms.



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