

# ERRA Tariff Database – considerations for future development

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ERRA



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ERRA TDB developments so far

Data on Quality of Service Indicators

Data on regulation of Retail Supplier

Data required for efficiency analysis

# ERRA TDB developments

- In 2019 ERRA conducted a review of the TDB
  - To check whether the **definitions of the existing data** can be reviewed to recover reporting levels
  - To identify **new information on network pricing** that can be collected from members
  - To identify **new information on revenue determinants** that can be collected from members
- Decision to **shift focus from outputs** (tariffs/charges) **to inputs** (revenue determinants)
- Can we **collect new data** that would be useful for members? If so – **what data?**

Revenue determinants	Network tariffs
Country credit rating	Avg transmission charge
WACC	Avg transmission and SO charge
Gearing ratio	Average MO charge
Return on debt	Average DUOS charge
Risk-free rate	
Equity beta	
ERP	
Corporate tax rate	
Avg actual transmission losses	
Avg allowed transmission losses	
Avg actual distribution losses	
Avg allowed distribution losses	

# Potential data to collect

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- Quality of service indicators?
- Regulated retail supplier?
- Data to support efficiency analysis?
- Others?

# Quality of Service Indicators data

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- System Average Interruption Duration Index (SAIDI) – D
- System Average Interruption Frequency Index (SAIFI) – D
- Customer Average Interruption Duration Index (CAIDI) – D
- Customer Average Interruption Frequency Index (CAIFI) – D
- Energy Not Served (ENS)
- System Average Interruption Duration Index (SAIDI) – T
- System Average Interruption Frequency Index (SAIFI) – T
- Others?

# Regulated retail supplier indicators

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- Retail Margin?
- Working capital allowance?
- Allowed bad debt (as a percentage)
- Actual bad debt (as a percentage)
- Share of retail costs to total costs of supply
- Others?

# Efficiency Analysis

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- Study to identify indicators significantly impacting efficiency analysis
  - Partial (Unit cost analysis)
  - Total (DEA or SFA)
- Sample indicators:
  - Non-fuel Opex over number of customers
  - Non-fuel Opex over energy delivered
  - Non-fuel opex over service area
  - Capex over energy delivered
  - Total revenues over energy delivered
- Data submitted by utilities and checked by regulators
  - Excel based, input on the TDB after a completeness check by ERRA

# Summary and next steps

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- As a voluntary association we are only as strong as the information we share with each other
- ERRA willing to invest in TDB but members must commit to regular data submission
- Next steps:
  - Prepare concept note on ERRA TDB development
  - Identify indicators to be collected
  - Define implementation timeline





**THANK YOU  
FOR YOUR ATTENTION!**

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