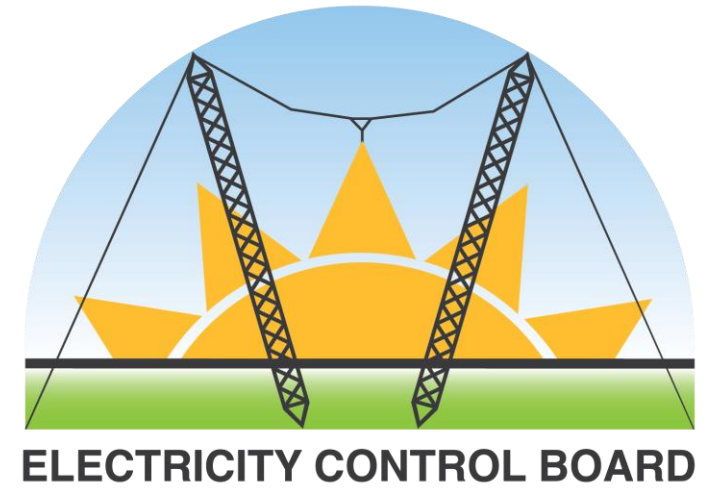




# National Wheeling



Pinehas Mutota  
GM Economic  
Regulation  
29 August 2023

# ECB - Mandate

- **Derived from the Electricity Act no 4, of 2007, Section 3 sub section (1)**
  - to exercise control over and regulate the provision, use and consumption of electricity in Namibia.
  - to oversee the efficient functioning and development of the electricity industry and security of electricity provision.
  - to ensure the efficient provision of electricity
  - to ensure a competitive environment in the electricity industry in Namibia with such restrictions as may be necessary for the security of electricity provision and other public interest
  - to promote private sector investment in the electricity industry
- **In accordance with prevailing Government Policies.**



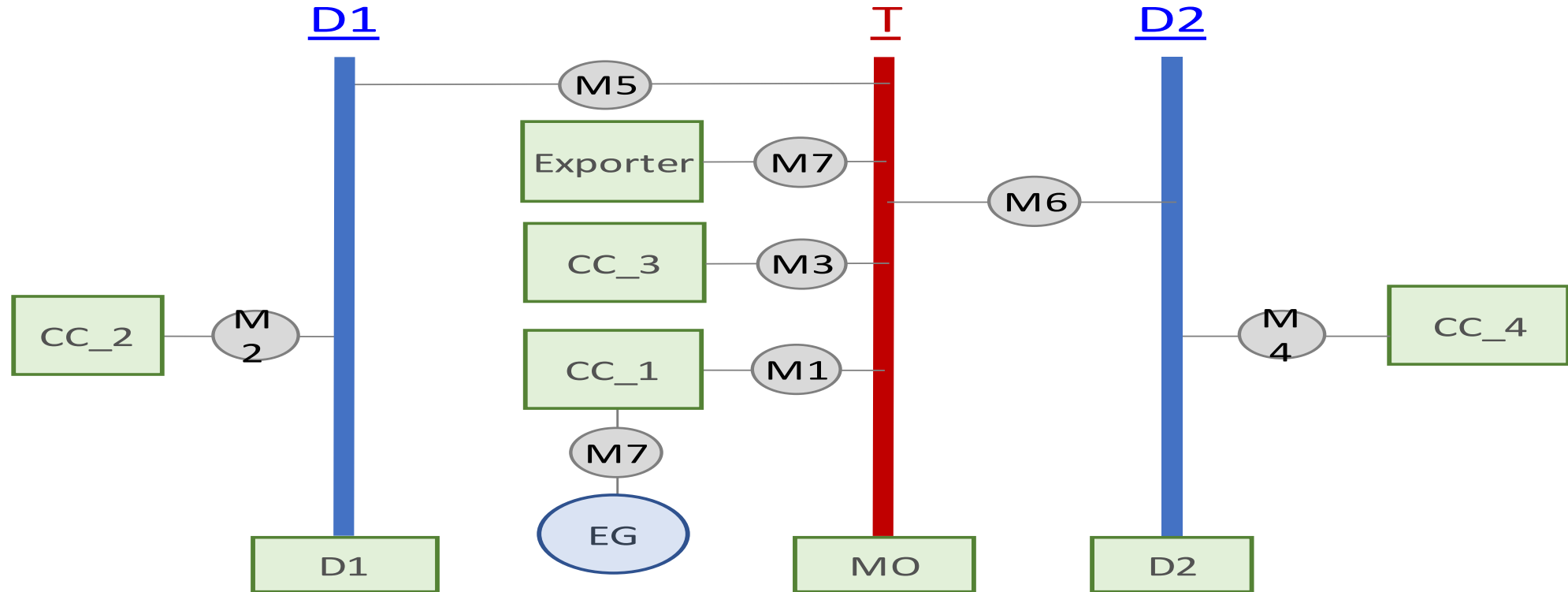
# Core Regulatory Areas

- **Licensing**
  - Oversight and approval of Generation, Transmission and Distribution infrastructure projects
  - Issue, Amend, Transfer, Maintain, Cancel licenses
- **Economic Regulation**
  - Tariffs setting and approval
  - Financial viability and sustainability of the ESI
- **Technical Regulation**
  - Ensure technical compliance of licensee
  - Technical / Infrastructure Standards Setting
  - Technical Compliance Audits and Inspections

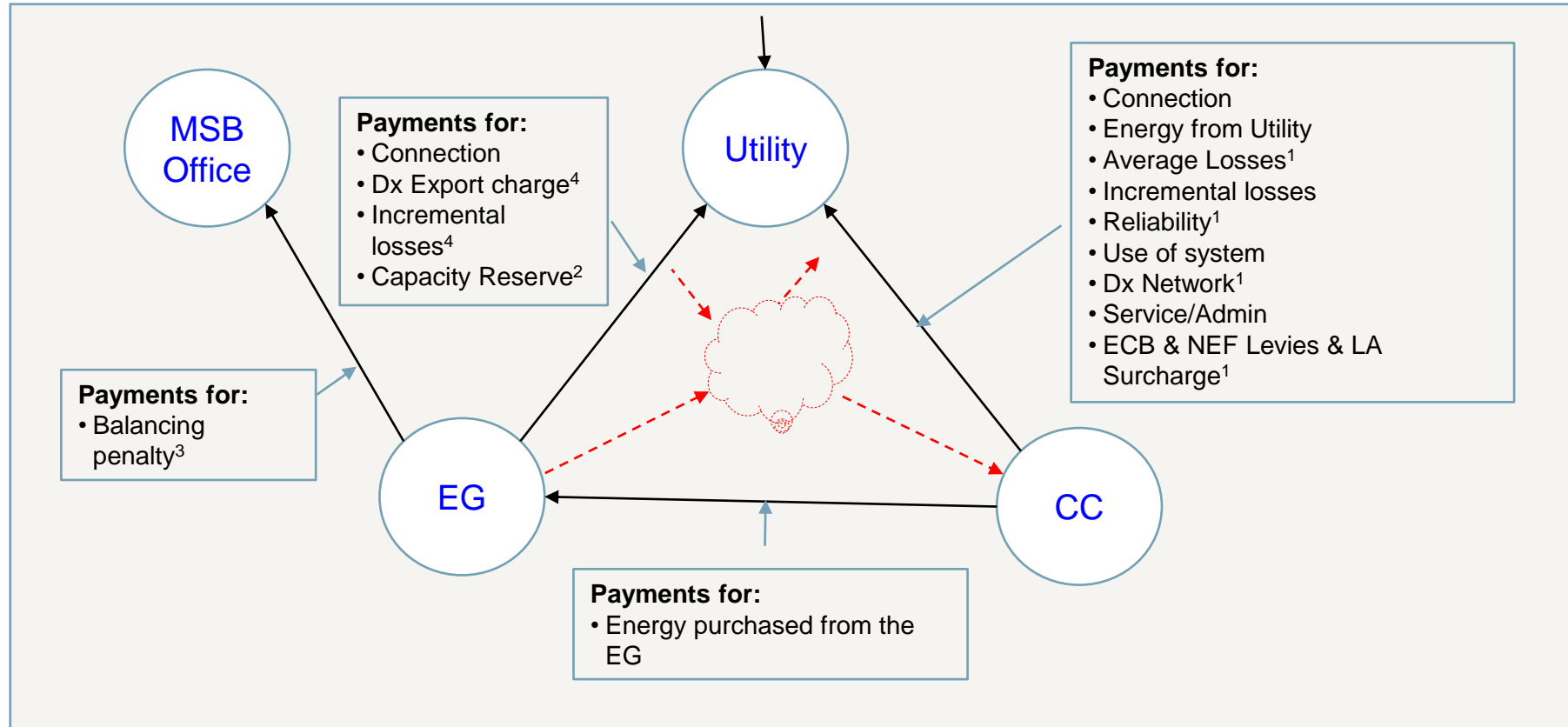
# Wheeling Framework

- The Wheeling Framework is part of the main activity of Market Rules, and due to its significance was developed separately for effective administrative of the market.
  - The main purpose of the Wheeling Framework is to support the operationalisation of the MSB market by providing a transparent, fair and practical framework for the determination and implementation of wheeling services and charges for the use of transmission and distribution networks.
- The MSB, supported by the Wheeling Framework, will intensify competition, provide for more customer choice and increase generation self-sufficiency while lowering the cost of electricity by enabling Bilateral Transactions across Namibia's integrated electricity system.

# Wheeling Framework



# Tariff Unbundling – Invoicing



## Notes

1. Calculated on all energy delivered (utility + EG)
2. Optional charge
3. Based on balancing mechanism
4. In case of selling to a CC in another network or an Exporter

→ Money Flows

- - - → Energy Flows

# Wheeling Framework – Charges



Unbundled NamPower Services & Charges			
Unbundled Service & Charges	Applicability		
	Eligible Producer	CC (non-Exporter)	CC (Exporter)
Connection charges	✓	✓	✓
Energy charge		✓	✓
Energy Rebate		✓	✓
Energy Add-back		✓	✓
Tx Average losses charge		✓	✓
Reliability charge		✓	✓
Use of System charges		✓	
Service charges	(✓)	✓	✓
ECB Levy		✓	✓
NEF Levy		✓	
LRMC		✓	
Tx Incremental losses		✓	✓
Tx Network Export charge			✓
Tx Network Capacity Reserve charge	(✓)		
Balancing penalty charge	✓		
Energy charge from EG / Trader		✓	✓

Unbundled Distribution Services & Charges		
Unbundled Service	Applicability	
	Eligible Producer	Contestable Customer
Connection charges	✓	✓
Energy from Utility		✓
Energy Rebate		✓
Energy Add-back		✓
Dx average losses charge		✓
Reliability charge		✓
Use of System charges		✓
Network charge		✓
Service charges	(✓)	✓
ECB Levy		✓
NEF Levy		✓
Local Authority Surcharge		✓
Dx Incremental losses charge/rebate	(✓)	✓
Tx average losses charge		✓
Tx Incremental losses charge/rebate		✓
Dx/Tx Export charges	(✓)	
Dx Network Capacity Reserve charge	(✓)	
Balancing penalty charge	✓	
Energy from EP / Trader		✓



# MSB Charges



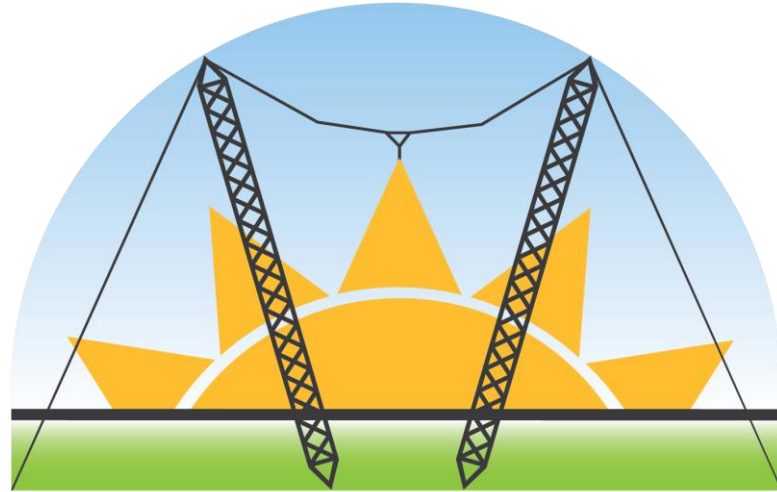
- The ability to access and make use of the Transmission and Distribution networks for bilateral wheeling between an Eligible Seller and a Contestable Customer, is fundamental to the operation of the MSB.
- Without non-discriminatory access to – and fair pricing for the use of – the integrated network, the MSB will not reach its full potential.

TYPE	CUSTOMER SERVICE CHARGE	POINT OF SUPPLY CHARGE		MAXIMUM DEMAND CHARGE		NETWORK ACCESS CHARGE	
	N\$/Customer /Month	N\$/PoS/Month		N\$/kVA	N\$/kW	N\$/kVA	N\$/kW
		No Diversity/ = < 10 MW	With Diversity/ > 10 MW	Peak and Standard		All Periods	
Tariff > 33kV	10,250.00	4,950.00	6,720.00	107.86	118.20	100.41	110.04
Tariff =< 33 kV	10,250.00	4,950.00	6,720.00	112.17	122.93	104.42	114.45

CHARGES					
TYPE	PERIODS			LEVIES	
	Peak	Standard	Off-peak	NEF LEVY	ECB LEVY
	c/kWh	c/kWh	c/kWh	c/kWh	c/kWh
Energy Tariff > 33kV	177.00	132.75	88.49	1.600	2.120
Energy Tariff =< 33 kV	180.53	135.39	90.28	1.600	2.120
Losses >33kV	19.93	14.95	9.96	-	-
Losses =< 33kV	20.33	15.24	10.17	-	-
Reliability	10.96	10.96	10.96	-	-
Long Run Marginal Cost	-	-	-	-	-







ELECTRICITY CONTROL BOARD

**THANK YOU**