Scene Setting- ESI Safety Pannel Discussion

14th AEDU Conference

ELECTRICITY CONTROL BOARD

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Swakopmund

Presentation Outline

1. Regulatory Safety Tools
2. Safety Incident Reports 2020 - 2025
3. ECB Concerns
4. Future Outlook

1. Regulatory Safety Tools

- Namibia Electricity Safety Code (NESC):
  - ESI bible on Safety
  - **People** ⇨ **Equipment** ⇨ **Continuity of supply**
  - **Authorized** Operators – **Theoretical & Practical training**
  - Use of authorized operators is prohibited
  - NESC Working Group
- Labour Act- **General Safety @ work place**
- Technical Rules: Rule 4 – **Reporting of Accidents (24 hours) – Serious injury** OR **Death (electrocution)**

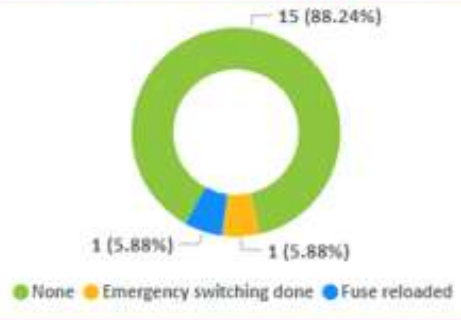
2. Safety Incidents Report 2020-2025 (1/3)

Overall Electrical Accidents Reporting

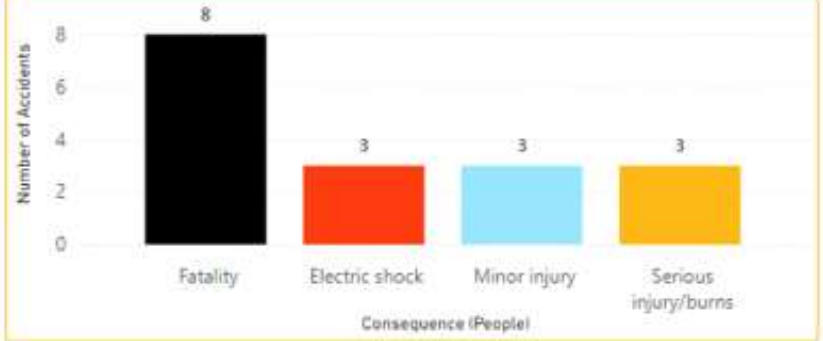
2022-2025 Electrical Accident Statistics

Licensee Name	No of Accidents Reported	No of Fatalities	No of Hospitalisations	No of Medical Treatment	No of People Affected
CENORED	3	1	2	0	3
CoW	3	1	2	0	6
Erongo RED	1	1	0	0	1
Kameelboom Power Supply	1	0	0	1	1
NamPower	2	0	0	1	3
NORED	7	5	1	1	8
Total	**17**	**8**	**5**	**3**	**22**

Consequence on Equipment/Network



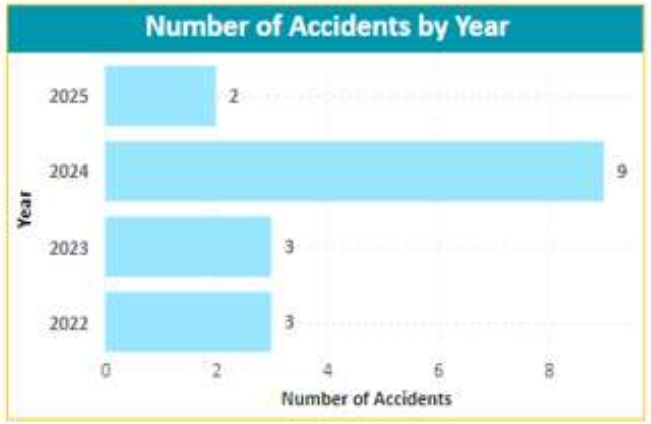
Consequence on People

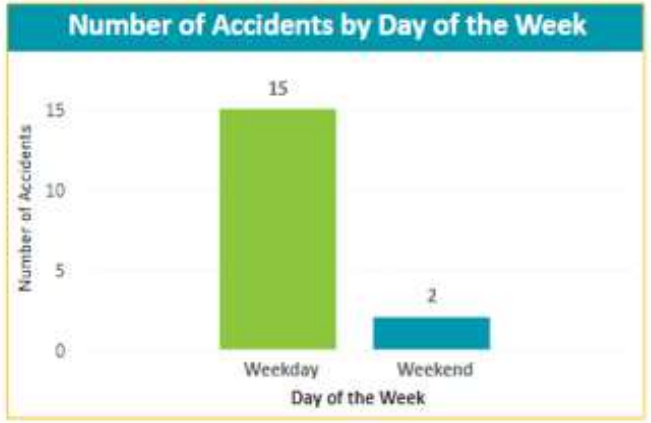


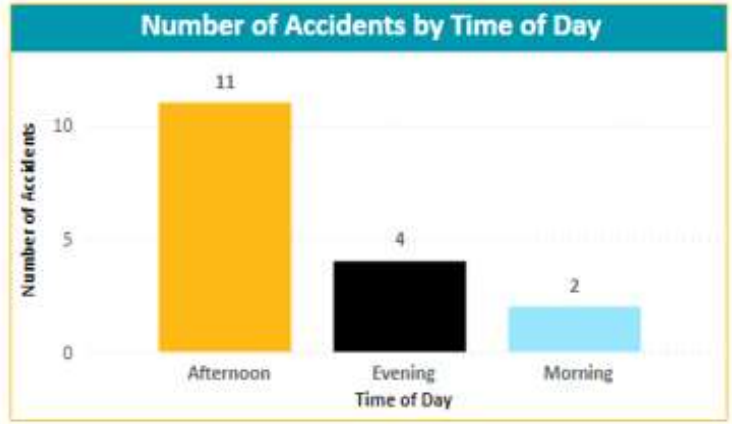
Number of Accidents by Fault Owner (Based on Investigation)

2. Safety Incidents Report 2020-2025 (2/3)

When Accidents Occur

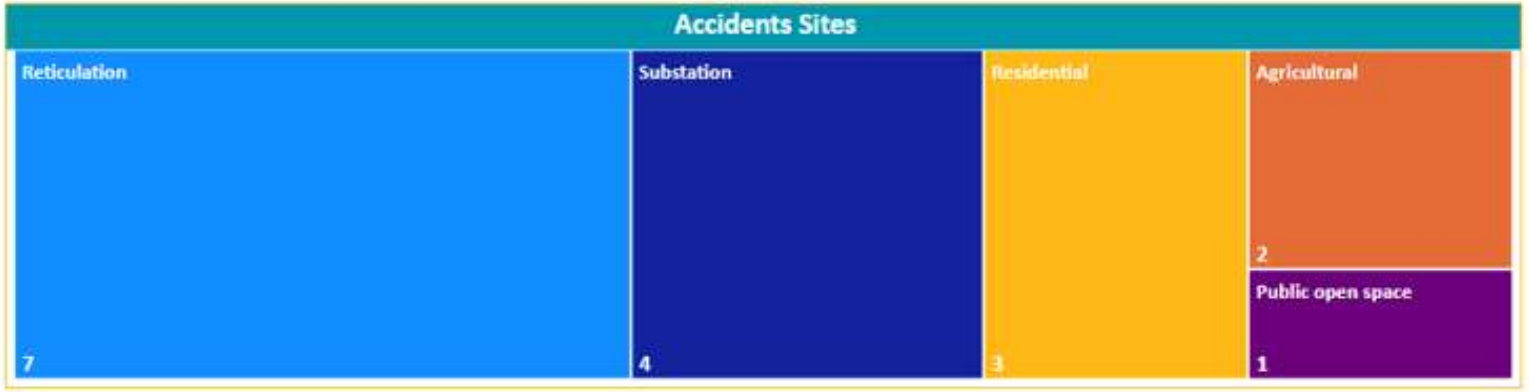


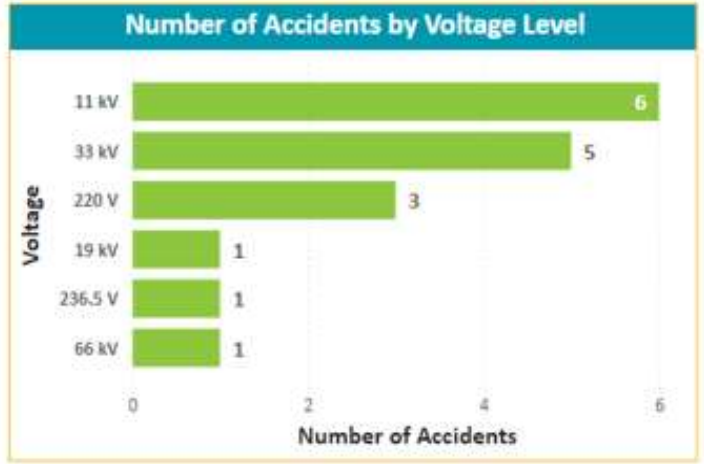




2. Safety Incidents Report 2020-2025 (3/3)

Where Accidents Occur





3. ECB Safety Concerns

- Safety Incidents is **on the rise – Non-compliance to NESC**.
- **Lack/No of communication** between System Controllers and Operators

- Priority given to **Continuity of Supply** over human and equipment safety.

- **Repetitive** nature of incidents

- Licensee **not reporting** incidents timely to ECB during 2020-2021

- Safety is **not prioritized**
- **Reputational Risk to ESI**

9. Future Outlook

- Accountability : **Revoking license and Consequence to Responsible Official**
- **Formalization** of NESC Working Group
- Establishment of **EDI Accident Investigation Committee**
- Development of ESI **Electricity Safety Awareness Framework**
- Harness Safety Awareness including **Directives**
- NESC Authorization process **to be reviewed – Practical**
- Promote **use of Technology** – NESC Chatbot, SCADA,IED etc

ELECTRICITY CONTROL BOARD

THANK YOU