



MARTHA NANGOLO

PRESENTATION ON

Global trends to phase out fossil fuels- Implications on Namibia's energy needs

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Electricity generation, transmission, and distribution



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What does Fossil Fuel Phase-Out Mean???

- “Gradual reduction & elimination of coal, oil, and gas use to cut emissions”

Key Actions Globally:

- End new fossil fuel exploration
- Close coal plants & ban petrol/diesel cars
- Redirect subsidies to renewables

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Global Trends and Examples

Global North Leaders:

- Denmark: Ending oil/gas extraction by 2050
- Germany: Coal out by 2038 (maybe 2030)
- UK: Petrol/diesel car ban by 2035

Emerging Leaders in Africa:

- Morocco: 52% renewables target by 2030
- Kenya: 90%+ electricity from renewables
- South Africa: \$8.5B Just Energy Transition Partnership (JETP)

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Africa's Just Transition Dilemma

Points:

- Energy Poverty: 600M Africans lack electricity
- Low Emissions: <4% of global GHG, but high climate vulnerability
- Tensions: Development needs vs. decarbonization pressure
- AU Position: Use fossil fuel resources responsibly for industrialization

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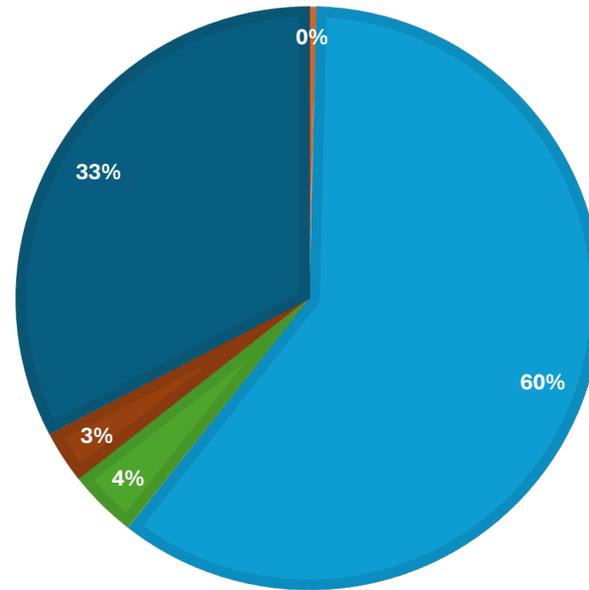
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NAMIBIA'S ENERGY MIX

Coal Oil Hydro Wind, Solar, etc Bio Fuels and Waste



Source: International Energy Agency (IEA)-2022

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Fossil Fuel Potential: Major offshore oil discoveries (early stage)

Current Energy Profile:

- Imports ~60% of electricity
- Strong solar & wind potential

Opportunities:

- Green hydrogen leadership
- Use oil revenues to fund renewables

Risks:

- Global demand decline before production
- “Stranded assets” risk

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Key Implications & Recommendations

- Balance development & decarbonization timelines
- Ensure energy sovereignty – universal access first
- Leverage oil revenues for green transition investments
- Push Global North accountability: finance, tech transfer
- Build flexible energy mix: renewables + transitional fuels

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THANK YOU. ANY QUESTIONS?

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