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# Sustainable Symphony: Echoes of Change »))



# Sustainability in Action: Preparing for a Changing World

Bali, December 5, 2024

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Risk Beyond Is Hosted by ERMA - Enterprise Risk Management Academy www.erm-academy.org



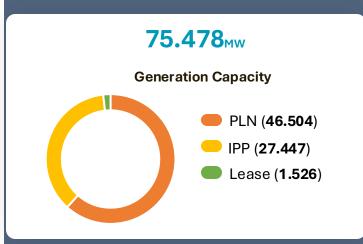






For more than 79 years, PLN has contributed to provide electricity in **Indonesia**... Encompassing the entire supply chain across Indonesia, from primary energy management to distribution and retail services.

Distribution **Primary Energy Transmission** Retail Generation PLN Energi Primer # PLN FLN Nusantara Power 左 PLN **★** PLN 左 PLN Batam Nusa Daya 



71.942 kms

Transmission line

168.327<sub>MVA</sub>

2.382UNIT

**Substation Capacity** 

1.060.567kms

Distribution Grid

68.542<sub>MVA</sub>

571.086<sub>UNIT</sub>

Distribution Substation

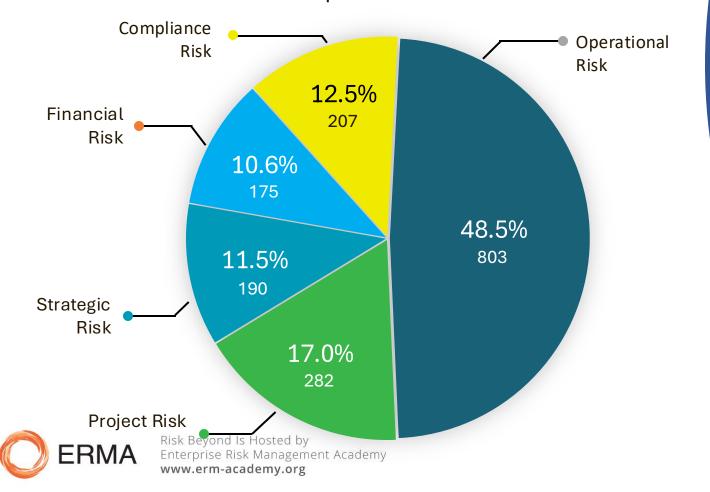




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### Risk Spectrum

PLN's organization is expected to effectively manage not only strategic risks but also a wide range of other complex and significant risk exposures.





In 2024, PLN Group identified 1,657 risks. In response, we have conducted an analysis and successfully developed at least 4,105 risk mitigation measures throughout the value chain.

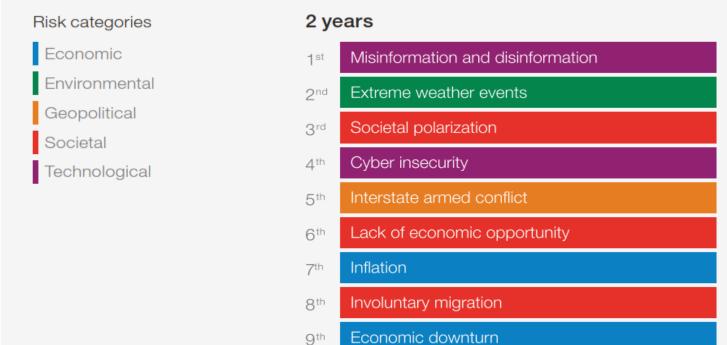
- 01 Distributions **1.388 mitigations**
- Transmission 576 mitigations
- O3 Construction **494 mitigations**
- Power generation **189 mitigations**
- Head Quarter **1.458 mitigations**

#### 2024 Global Risk Rank



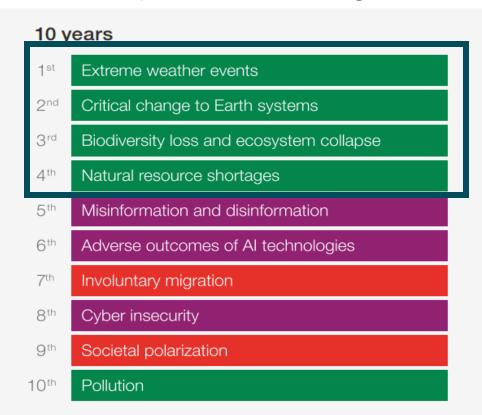


In the next 2 years horizon, climate change will be prominent global risks to be anticipated in every business sector, especially utilities companies including PLN



**Pollution** 

10th



#### Source

World Economic Forum Global Risks Perception Survey 2023-2024.









## **Under President Prabowo's Asta Cita vision: Energy Self-sufficiency is** one of 17 priority programs

#### **President Prabowo targets 8% Economic Growth in the Next Five Years**

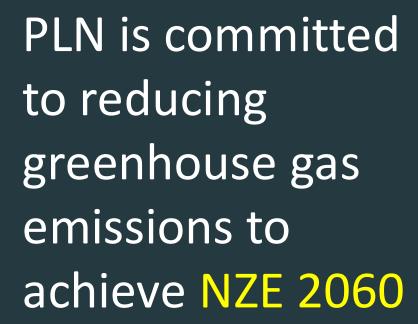
Indonesia will achieve energy self-sufficiency within 4-5 years. The statement also includes achieving energy sovereignty through the development of New Renewable Energy (NRE) by utilizing the abundance of energy resources.

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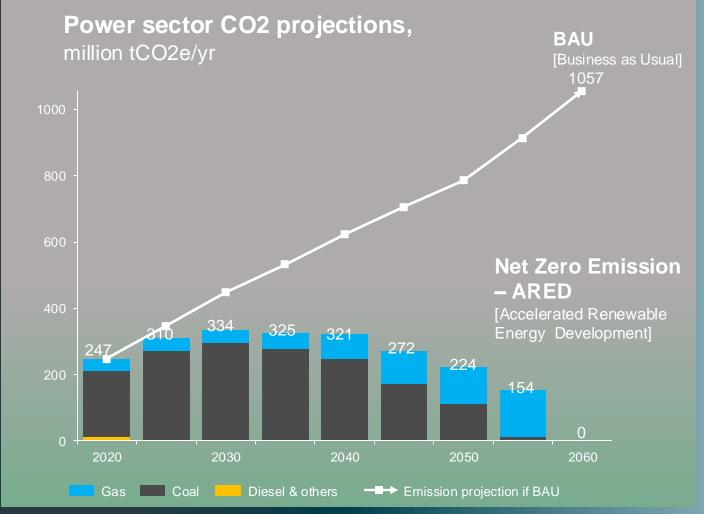








PLN has declared a roadmap towards Net Zero Emission 2060 at COP26





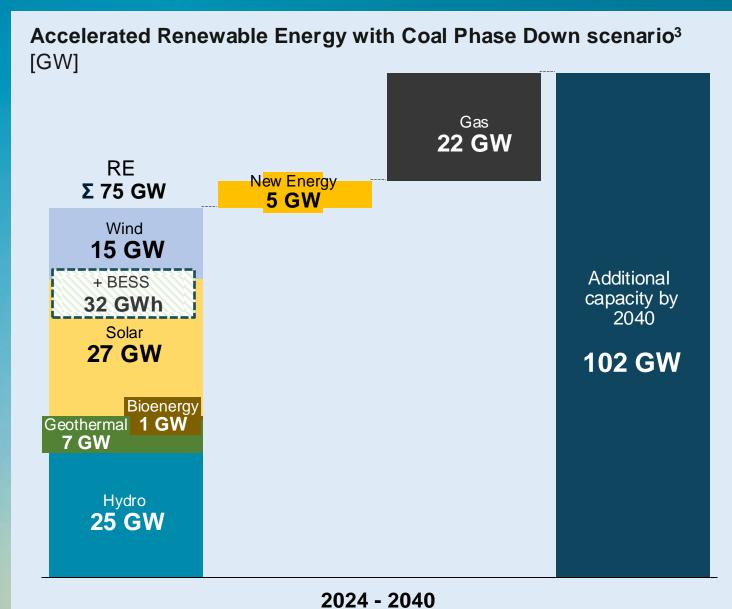




Up until 2040, > 75% of additional capacity will come from New Renewable Energy (NRE)<sup>1</sup> including New Energy and BESS<sup>2</sup>

<sup>1</sup> Renewable Energy (RE), equipped with Battery Energy Storage System (BESS) for Variable RE (Wind and Solar) <sup>2</sup> BESS capacity assuming LCOS, 4 cUSD/kWh

<sup>3</sup> Indicative figure Preliminary – for discussion



## Unleashing ESG Initiatives







To support environmental sustainability, PLN is advancing a just Energy Transition by integrating Environmental, Social, and Governance (ESG) principles through various policies and instruments under the Greenest RUPTL. This approach prioritizes decarbonizing fossil fuel-based power plants and expanding renewable energy development.



Cancellation of 13.3 GW new coal power plant planned in RUPTL 2019-2028



Biomass co-firing at 47 coal-fired power plants and up to 52 plants by 2025



Cancellation of 1.4 GW PPA of coal power plant under the Greenest **RUPTL** pipeline



1 GW De-dieselization program



Replace 1.1 GW of coal with Renewable **Energy** 



Implementation of *carbon* trading at 55 Coal-Fired Power Plant, trade volume ~5.26 million CO<sub>2</sub>

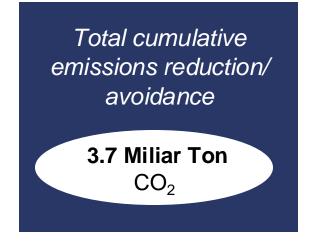


Replace 800 MW of coal with gas power plant.



Plan and develop 21 GW renewables plants under the









# The implementation of ESG is reported to maintain transparency in alignment with international standards

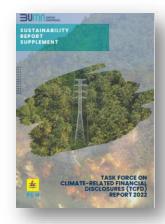








### PLN produces and discloses sustainability-related reports to ensure transparency and product governance



Taskforce on Climaterelated Financial **Disclosure Report** 

A framework for integrating climate change risks into financial decision making. PLN is the first SOE (non-bank) who issued TCFD report



**ESG Performance Report** 

A report to disclose ESG commitments, strategies and initiative programs and performances as a supplement of Sustainability Report



**ESG Framework** 

Orchestrating the **ESG KPIs** based on materiality issues as framework to achieve sustainability roadmap



**Environmental & Social Management System** 

Manual, governance, and guidelines to ensure project development comply with international environmental and social standards and best practices



Sustainability-related **Policies** 

Disclose sustainability related policies, explaining PLN's commitment regarding Climate Change, Land Use & Biodiversity. **Green Procurement, Contractor** Social Policy, and others.



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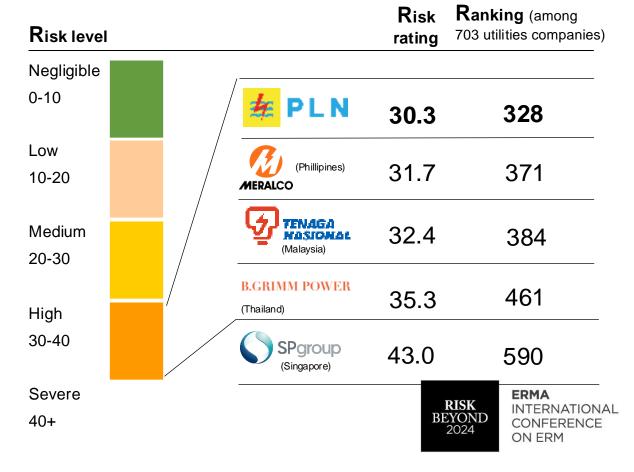




Through the consistent implementation of ESG initiatives by its business process owners, PLN has achieved recognition as the utility company with the highest ESG risk rating in ASEAN

## **ESG Score Changes** 46.76 38.5 30.3 2019 2020 2022 2023 Risk Beyond Is Hosted by ERMA Enterprise Risk Management Academy www.erm-academy.org

#### **ASEAN Electric utility companies' Risk Rating**



Note: The ESG risk rating by Sustainalytics as of 23 November 2023









#### Recognition in the ESG field as tangible proof of PLN's commitment to sustainability and achieving Net Zero Emissions



#### Awards in Green Leadership

**PROPER Environmental Award Event and Regional Environmental Management** Performance



#### **Awards** Sustainable Leader of The Year in **Energy Transition**

#### **Lestari Award 2024**

Furthermore, PLN received an award in the Waste Management category and PLN Nusantara Power in the Renewable Energy category.



#### Awards "CEO of the Year"

Best ESG (Environmental, Social, and Governance) Campaign in Energy Sector. This award was given to PLN for its corporate commitment in energy transition initiatives and running business processes that consider environmental, social, and good governance aspects.







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## **Thank You**



