MATERIALITY ISSUES AND BOUNDARIES

Materiality Issues	GRI Material Aspects	Report Topic	Impact Boundaries ¹									
			PTTEP Internal	PTTEP External								
			Employees	Government agencies, Regulators	Vendors, Suppliers/ Contractors	Customers	Shareholders, Investment & Financial Institution and Creditors	Business Partners, Consortium, Joint Ventures	Communities	Independent/ Public organizations, NGOs, Academics	Press and Media	
1. Energy Transition towards Net Zero	 Economic Performance Petroleum Reserves² GHG Emissions 	 Decarbonization Sustainability Framework and Strategy Climate Change Management Transformation 	0	0	0	0	0	0	0	0		
2. Technology and Innovation	-	Technology and Knowledge ManagementTransformation	0	0	0	0	0	0	0	0		
3. Governance, Risk Management, and Compliance	 Governance Structure Socioeconomic Compliance Anti-corruption Tax Key Impacts, Risks, and Opportunities 	 Corporate Governance and Business Ethics Risk and Crisis Management Internal Control and Compliance Tax Strategy and Payment Transparency Cyber Security 	0	0	0	0	0	0	0	0		

Materiality Issues	GRI Material Aspects	Report Topic	Impact Boundaries ¹									
			PTTEP Internal	PTTFP External								
			Employees	Government agencies, Regulators	Vendors, Suppliers/ Contractors	Customers	Shareholders, Investment & Financial Institution and Creditors	Business Partners, Consortium, Joint Ventures	Communities	Independent/ Public organizations, NGOs, Academics	Press and Media	
4. Safety, Security, Health and Environment	 Occupational Health and Safety Project Security and Process Safety² Environmental Compliance Energy Water Emissions Effluent and Waste 	 Safety, Security, Health and Environment Environmental Management Climate Change Management Biodiversity and Ecosystem Services Management Spill Management Waste Management Water Resources Management 	0	0	0	0	0	0	0	0		
5. Contribution to Community and Society	Local CommunitiesPublic Policy	Social DevelopmentStakeholder ManagementHuman RightsOcean for Life	0	0	0	0	0	0	0	0		
6. Human Resource Preparation	Training and EducationEmploymentDiversity and Equal Opportunity	Human Resource ManagementTransformation	0	0		0	0	0				
7. Circular Economy	Waste	■ Waste Management	0	0	0	0	0	0	0	0		
8. Biodiversity Management	 Ecosystem Services including Biodiversity² 	Biodiversity and EcosystemServices ManagementOcean for Life	0	0	0			0	0	0		

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9. Supply Chain Management	 Supply Chain Procurement Practices Supplier Environmental Assessment Supplier Social Assessment 	■ Supply Chain Management	0	0	0	0	0	0	0			
10. Cybersecurity	-	Cyber SecurityRisk and Crisis Management	0	0	0	0	0	0				
11. Human Rights	Rights of IndigenousPeoplesHuman RightsAssessment	Human RightsHuman Resource Management	0	0	0	0	0	0	0	0		
12. Stakeholder Management	 Approach to Stakeholder Engagement 	 Stakeholder Management Social Development Human Resource Management Supply Chain Management Corporate Governance and Business Ethics 	0	0	0	0	0	0	0	0	0	

¹PTTEP assessed direct and indirect impacts of each materiality issues on relevant external stakeholders.

² Reference from GRI 11 – Oil and Gas Sector 2021