

## Annex 2: Donor Project Mapping

Name of organization	Topic and detailed activity
ADB	Together with AFD (Agence Française de Développement), plan to support PLN in assessing the human resource capacity in energy transition. Early outreach to AFD and ADB are necessary to ensure the projects will become complimentary.
ASEAN Centre for Energy (ACE) and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH	Together with Siemens AG, assisted PLN systematically and strategically planning and implementing smart grid technology in their existing infrastructures. This training is organised by the ASEAN Plan of Action for Energy Cooperation (APAEC) that runs through 2016 – 2025. This programme trained 26 participants from PLN Headquarter, PLN Smart Grid Team and various divisions and regions. The capacity-building curriculum and participants must be updated and scaled to support the ambitious smart grid in the National Medium Term Development Plan (RPJPM) 2020-2024 in Java and Bali.
GIZ's REEP 1000 Islands	Supported by Energynautics from 2017 through 2020, conducted numerous training in 2019 and 2020 in several locations across Indonesia. The training was delivered at PLN's training centre in Makassar and PLN headquarters in Jakarta, focusing on power system planning and operation, grid code development, blackouts and system restoration. The training included power system planning with renewable energy and power system operation with high shares of variable renewable energy.
AIIB and World Bank	co-financed PLN's development of the Upper Cisokan Pumped Storage (UCPS) Hydropower Plant. Aside from supporting Indonesia's first large-scale pumped storage hydropower in the Java-Bali grid, it also aims at strengthening PLN's capacity for hydropower development and management. The financing started in 2022 and will close in 2028.
USAID - SINAR Project	The United States Agency for International Development (USAID) assists SINAR in advancing Indonesia's objective to increase

	<p>equitable and reliable energy services to promote inclusive economic growth and sustainable development. USAID supported A 6 MW Bayang Nyalo Hydro Power Project in West Sumatra and a 98.4 MW Rantau Dedap Geothermal Power Project in South Sumatra; both received \$14.6 million. Therefore, more than 1.2 million people have benefited from better energy services. There has been a decrease in greenhouse gas emissions of more than 58,000 metric tonnes.</p>
Indonesia Clean Energy Development II (ICED II)	<p>For local governments, PLN, and banks, ICED II (2015-2020) offered seven training sessions on solar PV feasibility standards, geographic electrification, and energy planning. 352 males and 135 women out of 487 participated in ICED II training. Two employees from PLN's Load Dispatch Center (P2B) began a 3-month (June–August 2018) internship programme with the California Independent System Operator (CAISO) as a follow-up to the reverse visit of the Utility Executive Exchange Program in March. The internship focused on the utility-scale renewable energy power plants' operational facets in the transmission infrastructure.</p>