

Attached Table: Research and Development Purpose Plutonium Utilization Plan
at the Japan Atomic Energy Agency

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National Research and Development Institute

Japan Atomic Energy Agency

Owner	Forecast stockpile amount (ton(s) of Pu) ^{*1} (forecast as of the end of FY2025)	Purpose (Research and development by utilizing fast reactor) ^{*2}				
		Facility	Forecast amount to be utilized (ton Pu) ^{*3}			Estimated annual usage amount (ton Pu/year) ^{*4}
			FY2026	FY2027	FY2028	
JAEA	3.6 ^{*5}	Experimental Fast Reactor “JOYO”	-	-	-	0.1
Forecast amount of plutonium to be recovered through reprocessing (ton Pu)			0	0	0	
Forecast stockpile amount (ton Pu)			3.6	3.6	3.6	

Details of these projections will be announced later as progress is made, such as when the JOYO starts operation.

Forecast amounts of plutonium to be used from FY2029 and onwards

- FY2029: not fixed yet
- FY2030: not fixed yet

•FY2031-2034:not fixed yet

- *1 Total amount of plutonium (Put)
- *2 In addition to plutonium used for JOYO, which is scheduled to restart operation in the middle of FY2026, the plutonium will be used for basic research on the treatment technology of spent fuel, plutonium stabilization studies, and other research and development activities within the scope of the purpose and amount permitted by research and development facilities.
- *3 Based on the operation plan of JOYO (as of January 29st, 2026), until approval of design and construction plan related to the new regulatory standards for JOYO is obtained, the forecast amount of plutonium to be used for each fiscal year has not yet been decided as well, and is described as "-".
- *4 "Estimated annual usage amount" represents an annual average amount of plutonium contained in MOX fuel to be loaded into reactor during standard reactor operations.
- *5 Of the plutonium managed by JAEA, approximately 1.0 t of plutonium owned by electric power companies is not included in the forecast amount mentioned above.