

State of Separated Plutonium

1. Separated plutonium held in Japan

(Unit: kg, as of year-end)

		2020		2021		2022		2023		2024	
		JNFL	JAEA	JNFL	JAEA						
Reprocessing Plants	Plutonium nitrate, etc.	273	26	272	24						
	Plutonium oxide	3,329	167	3,329	167						
	Total	3,602	193	3,602	192	MOX powder, etc.	3,793	MOX powder, etc.	3,790	MOX powder, etc.	3,784
	Of which, fissile plutonium	2,340	126	2,339	125		2,465		2,463		2,459
	Change in amounts held in facilities	-1	-2	-1	-1		0		-3		-6
Fuel fabrication facilities	Plutonium oxide		2,595		2,682	MOX powder, etc.	3,428	MOX powder, etc.	3,358	MOX powder, etc.	3,295
	Testing and fabrication stage		874		785						
	Fabricated fuel		446		446	Newly fabricated fuel, etc.	484	Newly fabricated fuel, etc.	550	Newly fabricated fuel, etc.	613
	Total		3,916		3,913	3,912		3,908		3,908	
	Of which, fissile plutonium		2,698		2,696	2,695		2,692		2,691	
	Change in amounts held in facilities		-3		-2		-2		-3		-1
Inside nuclear reactors and other facilities	Joyo	134		134		134		Fast reactor	411	Fast reactor	411
	Monju	280		279		279					
	Commercial reactors	616		1,046		1,048		418		418	
	Criticality experiment equipment, etc.	113		113		113		113		113	
	Total	1,143		1,573		1,572		941		941	
	Of which fissile plutonium	799		1,065		1,063		659		659	
Tptal in Japan		8,854		9,279		9,277		8,640		8,634	
Total fissile plutonium		5,964		6,226		6,222		5,814		5,809	

2. Status of separated plutonium in use

Supply	Retrieved	0	0	0	0	0	0
	Transferred from overseas	0	0	0	0	0	0
Used	Monju, etc.	0	0	0	—	—	—
Loaded into reactor facilities and irradiated		0	198	629	631	0	0

3. Plutonium oxide

Overseas stock	UK	21,805	21,780	21,757	21,735	21,713
	France	15,411	14,760	14,113	14,097	14,079
	Total	37,216	36,540	35,870	35,831	35,792
	UK fissile Pu	14,528	14,504	14,480	14,458	14,437
	France fissile Pu	9,965	9,541	9,122	9,105	9,089
	Total fissile Pu	24,493	24,045	23,602	23,563	23,526
Grand Total		43,180	45,819	45,147	41,645	41,601
Of which, fissile Plutonium		#REF!	30,271	29,824	#REF!	#REF!

(Total may not add up due to rounding off.)