

Table 2: State of Separated Plutonium

1. Separated plutonium held in Japan

(Unit: kg, as of year-end)

		2019		2020		2021		2022		2023	
		JNFL	JAEA	JNFL	JAEA	JNFL	JAEA				
Reprocessing plants	Plutonium nitrate, etc.	274	28	273	26	272	24	MOX powder, etc.		MOX powder, etc.	
	Plutonium oxide	3,329	167	3,329	167	3,329	167				
	Total	3,603	195	3,602	193	3,602	192		3,793		3,790
	Of which, fissile plutonium	2,341	128	2,340	126	2,339	125	Fissile	2,465	Fissile	2,463
	Change in amounts held in facilities	0	0	-1	-2	-1	-1		0		-3
Fuel fabrication facilities	Plutonium oxide		2,574		2,595		2,682	MOX powder, etc.	3,428	MOX powder, etc.	3,358
	Testing and fabrication stage		898		874		785				
	Fabricated fuel		446		446		446	Newly fabricated fuel, etc.	484	Newly fabricated fuel, etc.	550
	Total		3,918		3,916		3,913	3,912		3,908	
	Of which, fissile plutonium		2,700		2,698		2,696	2,695		2,692	
	Change in amounts held in facilities		-0.26		-3		-2		-2		-3
Inside nuclear reactors and other facilities	Joyo		134		134		134	Fast reactor	411	Fast reactor	411
	Monju		280		280		279				
	Commercial reactors		616		616		1,046	1,048		418	
	Criticality experiment equipment, etc.		113		113		113	113		113	
	Total		1,143		1,143		1,573	1,572		941	
	Of which, fissile plutonium		799		799		1,065	1,063		659	
Total in Japan			8,860		8,854		9,279	9,277		8,640	
Total fissile plutonium			5,968		5,964		6,226	6,222		5,814	

2. Status of separated plutonium in use

Supply	Retrieved	0	0	0	0	0	0	0	0
	Transferred from overseas	0	0	0	0	0	0	0	0
Used	Monju, etc.	0	0	0	0	0	0	—	—
Loaded into reactor facilities and irradiated		160	0	0	0	198	0	629	631

3. Plutonium Oxide held overseas

Overseas stock	UK	21,180	21,805	21,780	21,757	21,735
	France	15,435	15,411	14,760	14,113	14,097
	Total	36,615	37,216	36,540	35,870	35,831
	UK fissile Pu	14,173	14,528	14,504	14,480	14,458
	France fissile Pu	9,988	9,965	9,541	9,122	9,105
	Total fissile Pu	24,161	24,493	24,045	23,602	23,563
Grand Total		45,475	46,070	45,819	45,147	44,471
Of which, fissile Plutonium		30,129	30,457	30,271	29,824	29,377

Totals may not add up due to rounding off.