

Fig. 1: State and location of separated plutonium (as of 31 Dec. 2022) (UNIT: kg)											
		2018		2019		2020		2021		2022	
1) Separated plutonium held in Japan		JNFL	JAEA	JNFL	JAEA	JNFL	JAEA	JNFL	JAEA		
Reprocessing facilities	Plutonium nitrate	274	28	274	28	273	26	272	24		
	Plutonium oxide	3,329	167	3,329	167	3,329	167	3,329	167		
	Total	3,603	195	3,603	195	3,602	193	3,602	192	3,793	
	Total fissile plutonium	2,341	128	2,341	128	2,340	126	2,339	125	MOX powder etc.	2,465
	Change in amount held at facility	0	-64	0	0	-1	-2	-1	-1	0	
MOX fuel fabrication facilities	Plutonium oxide		2,559		2,574		2,595		2,682		
	Testing and fabrication stage		913		898		874		785	MOX powder etc.	3,428
	Fabricated fuel		446		446		446		446	New fuel products, etc.	484
	Total		3,919		3,918		3,916		3,913	3,912	
	Total fissile plutonium		2,701		2,700		2,698		2,696	2,695	
Change in amount held at facility		65		-0.26		-3		-2	-2		
Inside nuclear reactors and other facilities	Joyo	134		134		134		134			
	Monju	282		280		280		279		Fast reactors	411
	Power reactors in use	776		616		616		1,046		1,048	
	R&D	113		113		113		113		113	
	Total	1,305		1,143		1,143		1,573		1,572	
	Total fissile plutonium	904		799		799		1,065		1,063	
<b>Total</b>		<b>9,022</b>		<b>8,860</b>		<b>8,854</b>		<b>9,279</b>		<b>9,277</b>	
<b>Total fissile plutonium</b>		<b>6,073</b>		<b>5,968</b>		<b>5,964</b>		<b>6,226</b>		<b>6,222</b>	
2) Separated Plutonium held overseas											
UK: Total plutonium		21,205		21,180		21,805		21,780		21,757	
France: Total plutonium		15,460		15,435		15,411		14,760		14,113	
<b>Total plutonium</b>		<b>36,666</b>		<b>36,615</b>		<b>37,216</b>		<b>36,540</b>		<b>35,870</b>	
UK: Total fissile plutonium		14,199		14,173		14,528		14,504		14,480	
France: Total fissile plutonium		10,013		9,988		9,965		9,541		9,122	
<b>Total fissile plutonium</b>		<b>24,212</b>		<b>24,161</b>		<b>24,493</b>		<b>24,045</b>		<b>23,602</b>	
<b>Japan's plutonium inventory GRAND TOTAL:</b>		<b>45,688</b>		<b>45,475</b>		<b>46,070</b>		<b>45,819</b>		<b>45,147</b>	
<b>Fissile plutonium GRAND TOTAL:</b>		<b>30,285</b>		<b>30,129</b>		<b>30,457</b>		<b>30,271</b>		<b>29,824</b>	
3) Separated Plutonium in use											
Supply	Domestic separated plutonium	0	0	0	0	0	0	0	0	0	
	Transferred from overseas	0	0	0	0	0	0	0	0	0	
Loaded (Irradiated)	Monju etc.	0	0	0	0	0	0	0	0	-	
	Reactors	1,524	160	0	0	0	0	198	0	629	