

Plans for the Utilization of Plutonium to be Recovered at the Rokkasho Reprocessing Plant (RRP), FY2005 and 2006
(Revised to reflect the actual start of active testing)

Owner	Amount of reprocessing *1		Amount of plutonium *2		Purpose of use (used as LWR fuel) *3		
	Amount of spent fuel to be reprocessed (tU)		Amount of plutonium expected to be allocated (tPuf) *4		Place to be used	Amount to be used (Estimated annual usage *5 in tPuf per year) *4	Timing of the start of utilization*6 and estimate of the period required for utilization*7
	FY2005	FY2006	FY2005	FY2006			
Hokkaido EPCo	-	-	-	0.0	Tomari Power Station	0.2	After FY 2012 for a period equivalent to 0.2 years
Tohoku EPCo	-	-	-	0.0	Onagawa Nuclear Power Station	0.2	After FY 2012 for a period equivalent to 0.2 years
Tokyo EPCo	-	60	-	0.5	Three to four Tokyo EPCo units, based on continued efforts by Tokyo EPCo to regain public trust from local communities at sites	0.9 - 1.6	After FY 2012 for a period equivalent to 0.3-0.6 years
Chubu EPCo	-	-	-	0.1	Hamaoka Nuclear Power Station Unit 4	0.4	After FY 2012 for a period equivalent to 0.3 years
Hokuriku EPCo	-	-	-	0.0	Shika Nuclear Power Station	0.1	After FY 2012 for a period equivalent to 0.2 years
Kansai EPCo	-	102	-	0.3	Takahama Power Station Units 3 and 4; one or two units at Ohi Power Station	1.1 - 1.4	After FY 2012 for a period equivalent to 0.2-0.3 years
Chugoku EPCo	-	-	-	0.1	Shimane Nuclear Power Station Unit 2	0.2	After FY 2012 for a period equivalent to 0.5 years
Shikoku EPCo	-	-	-	0.1	Ikata Power Station Unit 3	0.4	After FY 2012 for a period equivalent to 0.3 years
Kyushu EPCo	-	63	-	0.2	Genkai Nuclear Power Station Unit 3	0.4	After FY 2012 for a period equivalent to 0.5 years
Japan Atomic Power Company (JAPC)	-	13	-	0.1	Tsuruga Power Station Unit 2; Tokai Daini Power Station	0.5	After FY 2012 for a period Equivalent to 0.2 years
Subtotal	-	238	-	1.4		4.4 - 5.4	
Electric Power Development Company (EPDC)			Amount to be transferred from other utilities*8		Ohma Nuclear Power Station	1.1	
Total	238		1.4			5.5 - 6.5	

The above plans shall be updated and detailed as future progress is made in the Plutermal Program, such as start of operations at Rokkasho MOX fuel fabrication plant, etc..

- *1 "Amount of reprocessing" is based on JNFL's reprocessing program. Active testing started from FY2005, but reprocessing procedure started from FY2006, so, amount of plutonium of each utility shows (-).
- *2 "Amount of plutonium" represents the estimated amount of plutonium to be allocated from reprocessing at the RRP in FY2005 and FY2006. Recovered plutonium is to be allocated to the utilities in proportion to the amount of fissile plutonium contained in the spent fuel they have delivered to JNFL's RRP. Therefore, plutonium will also be allocated to the utilities whose spent fuel is not actually reprocessed in FY2005 and FY2006. Eventually, however, plutonium will be allocated in proportion to the amount of fissile plutonium contained in the spent fuel contracted for reprocessing by each utility.
- *3 In addition to use as LWR fuel, some plutonium may be transferred to JAEA for R&D purposes. Specific amounts of plutonium to be transferred by each utility will be made public once such amounts have been determined.
- *4 The amount of plutonium is described as the amount of fissile plutonium (Puf). (Total amount of plutonium may differ due to rounding to the first decimal place.)
- *5 "Estimated annual usage" represents the annual average amount of plutonium contained in MOX fuel to be loaded into power reactors according to each utility's Plutothermal program. In some cases, the estimate may include plutonium recovered from overseas reprocessing.
- *6 "Timing of the start of utilization" is stated as after FY2012, when the Rokkasho MOX fuel fabrication plant, to be constructed adjacent to the RRP, is scheduled to commence operations. Until then, plutonium will be stored at RRP in the form of uranium-plutonium mixed oxide powder.
- *7 "Estimate of the period required for utilization" is "amount of plutonium" divided by the "estimated annual usage." (It does not necessarily reflect the actual period of use, because part of plutonium is expected to be transferred to EPDC and JAEA, and the "amount to be used" may include the use of the plutonium recovered from the overseas reprocessing in some cases.)
- *8 The specific amount to be transferred to EPDC by the utilities will be made public once it has been determined.