

**Plan for Using Plutonium Recovered at Rokkasho Reprocessing Plant
(FY2010, After revision)**

Owner	Amount of retained plutonium (kgPuf) ^(*1)			Purpose of use (as LWR fuel)		
	Amount to be retained at end of FY2009	Amount to be recovered in FY2010	Amount to be retained at end of FY2010	Site to be used ^(*2)	Estimated annual usage ^(*3) (ton Puf/year)	Time of commencement of utilization ^(*4) and Estimate of the period required for utilization ^(*5)
Chubu Electric	182	—	182	Hamaoka Nuclear Power Station Reactor No. 4	0.4	FY 2015 onwards Equivalent to approximately 0.5 years

(Note) kgPuf expresses the weight of fissile plutonium. Because figures are rounded off to the nearest whole number, there may be occasions when the figure is expressed as 0, or when the figures do not match the total. Here, fissile plutonium refers to plutonium-239 and plutonium-241.

(Explanation of each item)

- *1 Under the “Amount of retained plutonium,” we include the amount of retained fissile plutonium as of the end of FY2009, the amount of fissile plutonium to be recovered at the Rokkasho reprocessing plant in FY2010, and the amount of fissile plutonium to be retained at the end of FY2010, which is the total of these two amounts. The recovered plutonium will be allotted to the various electric utilities in proportion to the amount of fissile plutonium contained in the spent fuel they ship to the Rokkasho reprocessing plant.
Because of a change in the amount of plutonium recovered from spent fuel by Japan Nuclear Fuel Limited in FY2010 (80 tons → 0 tons), the “Amount to be retained at end of FY2010” shown in this plan has been reduced to 182 kg from the figure of approximately 0.2 tons (217 kg) indicated in the plan published on March 15, 2010.
- *2 The “Site to be used” is basically Reactor No. 4 at Hamaoka Nuclear Power Station.
However some material may be transferred to J-Power or to the Japan Atomic Energy Agency. Specific amounts of plutonium to be transferred by each utility will be made public once such amounts have been determined.
- *3 The “Estimated annual usage” is the amount of fissile plutonium contained in the MOX fuel used in one year at Hamaoka Nuclear Power Station, Reactor No. 4, and is approximately 0.4 t.
In some cases, the estimate may include plutonium recovered from overseas reprocessing.
- *4 The “Time of commencement of utilization” is FY2015 and after, when construction of the

Rokkasho MOX fuel fabrication plant is scheduled to be completed.

Until then, plutonium will be stored at Rokkasho reprocessing plant in the form of uranium-plutonium mixed oxide.

- *5 The “Estimate of the period required for utilization” is the number of years it will take to use the fuel (approx. 0.5 year), determined by dividing the amount to be retained at the end of FY2010 by the Estimated annual usage.

In some cases, the estimate does not necessarily reflect the actual period of use, because some of the plutonium is expected to be transferred to J-Power , and the “Estimated annual usage” may include the use of the plutonium recovered from the overseas reprocessing in some cases.

As of June 30, 2010, Chubu Electric retains about 381 kg of fissile plutonium in Japan (about 83 kg at the Japan Atomic Energy Agency, about 154 kg at the Japan Nuclear Fuel Limited and about 145 kg at Hamaoka Nuclear Power Station as 28 MOX fuel assemblies processed at the MELOX plant in France) and about 2,169 kg outside Japan (about 1,551 kg in France and about 618 kg in the UK). It is our basic policy that the plutonium that we retain and that which is kept overseas will be processed into MOX fuel overseas and then used. We plan to use this fuel at Hamaoka Nuclear Power Station, Reactor No. 4, starting in FY2010. We also intend to transfer approximately 0.1 tons of the fissile plutonium that we retain in France to Electric Power Development Co., Ltd.