

## General Distribution



November, 2022

# ISOE INFORMATION SHEET

## **JAPANESE DOSIMETRIC RESULTS: FY 2021 DATA AND TRENDS**

ISOE Asian Technical Center – NSRA Information Sheet No. 50

This ISOE information sheet presents the occupational exposure data for Fiscal Year (FY) 2021 and trends of commercial reactors in Japan from FY 1997 to FY 2021, which include PWRs and BWRs.

**Table 1. Total collective dose  
in FY 2020 and FY 2021**

Reactor Type	Total Collective Dose (man.Sv)	
	FY 2020	FY 2021
PWRs	5.81	3.82
BWRs	28.92	26.63
Total (LWRs)	34.74	30.45

**Table 2. Average collective dose per reactor  
in FY 2020 and FY 2021**

Reactor Type	Average Collective Dose (man.Sv)	
	FY 2020	FY 2021
PWRs	0.24	0.16
BWRs	0.90	0.83
Total (LWRs)	0.62	0.54

Tables 1 and 2 show the total collective dose and the average collective dose per reactor for PWRs and BWRs (of LWR type) in FY 2020 and FY 2021. Some NPPs located in the east area of Japan were damaged by the huge earthquake and tsunami on March 11, 2011. Large dose for BWRs in FY 2011 was due to the accident of Fukushima Daiichi NPPs. Only 6 PWRs operated in FY 2021.

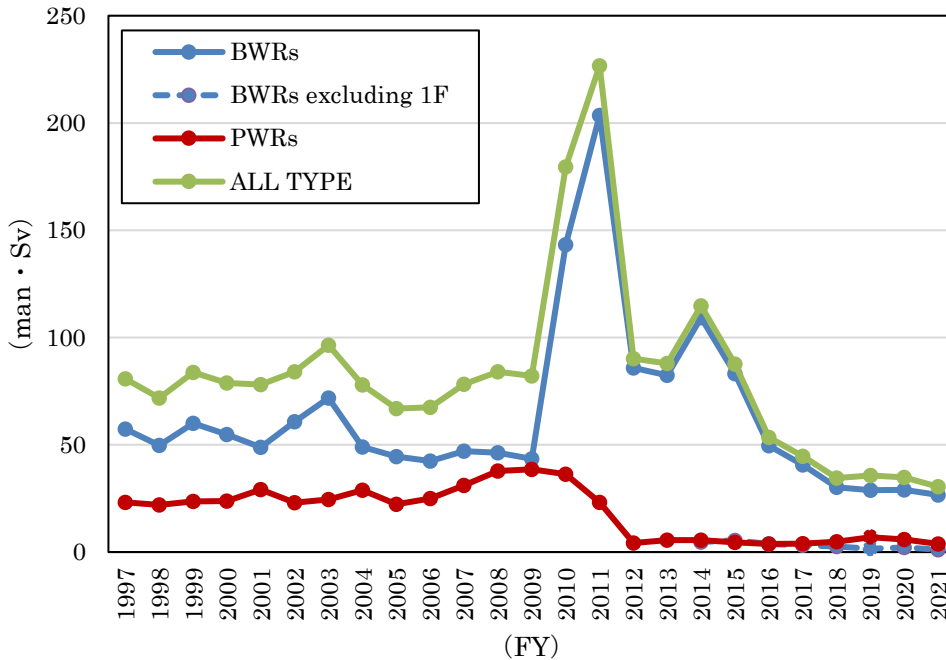
Figures 1 and 2 show the trends of the total collective dose and the average collective dose per reactor from FY 1997 to FY 2021 in Japan. Please note that these figures include 23 reactors which are in permanent shut down (15 BWRs, 8 PWRs are already permanently shut down). Exposure data in figures 1 and 2 are based on the data which has been compiled by Japanese utilities and reported to Nuclear Regulation Authority or NRA.

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**Figure 1: TOTAL COLLECTIVE DOSE (man.Sv)**



\* GCR is included until FY1998.

\*\* This figure includes 23 reactors which are permanently shut down.

**Figure 2: AVERAGE COLLECTIVE DOSE PER REACTOR (man.Sv)**

\* GCR is included until FY1998.

\*\* This figure includes 23 reactors which are permanently shut down.

