

Table 1 · WNISR Rationale for the Classification of 30 Reactors as Non-Operational as of end 2012

Countries	Officially Closed at a Later Date 21 Reactors	Restarted from LTO 9 Reactors
	Reactors that last produced electricity in (or prior to) 2012, officially closed after 2012 (either considered closed by WNISR as early as 2012, or after a certain period in LTO). Most of those reactors were considered “in operation” for many years before their official closure date.	
	Reactors considered closed in 2012	Reactors in LTO prior to closure
		Reactors in LTO as of December 2012 Restarted prior to 1 July 2023
Japan	6 Reactors Fukushima Daiichi 5–6 Fukushima Daini 1–4 Officially Closed in 2013 and 2019	11 Reactors Last production in 2010–2012 Officially closed 2015–2019
South Korea		8 Reactors Restarted 2015–2021
Spain	1 Reactor Santa Maria de Garoña Last production in 2012 Officially Closed in 2017*	1 Reactor Wolsong-1, Restarted in 2015
U.S.	3 Reactors San Onofre-2 & -3 Last production in 2012 Officially closed in 2013 Crystal River-3 Last production in 2009 Officially closed in 2013	

Sources: IAEA-PRIS and WNISR, 2023

Note: *Garoña was subsequently considered in “Suspended Operation” during 2013–2016 by the IAEA until its official closure.