French Nuclear Fleet

General info			SCC [Stress Corrosion Cracking]				Planned work		Status	
Reactor	Series	MWe	SIS	RHR	Status	Risk RHR or SIS	10-yearly Safety Review	"Great Overhaul"	Dec 21st 2022	Comments
Bugey 2	CP0	910	ND	ND	Will be checked by 2024	Low	VD4 2020	Done	ON	
Bugey 3	CP0	910	ND	ND	Inspection 2024 to 2025	Low	VD4 2024		ON	5 days outage from 2022/12/05 to 2022/12/09
Bugey 4	CP0	880	NO	NO	Reconstruction completed		VD4 2020	Done	ON	Circuits reconstructed after having been dismanteld for diagnostic. No corrosion found.
Bugey 5	CP0	880	ND	ND	Will be checked by 2024	Low	VD4 2022: DONE	Done	ON	
Blayais 1	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2022: WIP	WIP	RST Feb 1st	
Blayais 2	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2024		ON	
Blayais 3	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2026		ON	
Blayais 4	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2026		ON	
Dampierre 1	CP1	890	ND	ND	Will be checked by 2024	Low	VD4 2022: DONE	Done	ON	
Dampierre 2	CP1	890	ND	ND	Will be checked by 2024	Low	VD4 2022: WIP	WIP	RST Dec 24th	
Dampierre 3	CP1	890	ND	ND	Will be checked by 2024	Low	VD4 2024		ON	Fuel saving stops
Dampierre 4	CP1	890	ND	ND	Will be checked by 2024	Low	VD4 2025		ON	
Gravelines 1	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2022: DONE	Done	ON	
Gravelines 2	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2024		ON	
Gravelines 3	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2022: WIP	WIP	Ramp Up	
Gravelines 4	CP1	910	ND	ND	Will be checked by 2024	Low	VD4 2024		RST (1/2) Jan 8th	
Gravelines 5	CP1	910	ND	ND	Will be checked by 2024	Low	VD3 2016		ON	
Gravelines 6	CP1	910	ND	ND	Will be checked by 2024	Low	VD3 2020		ON	
Tricastin 1	CP1	915	ND	ND	Will be checked by 2024	Low	VD4 2019	Done	ON	
Tricastin 2	CP1	915	ND	ND	Will be checked by 2024	Low	VD4 2021	Done	ON	
Tricastin 3	CP1	915	NO	NO	Reconstruction completed		VD4 2022: DONE	Done	ON	Circuits reconstructed after having been dismanteld for diagnostic. No corrosion found.
Tricastin 4	CP1	915	ND	ND	Will be checked by 2024	Low	VD4 2025		ON	
Chinon B1	CP2	905	ND	ND	Will be checked by 2024	Low	VD4 2024		ON	
Chinon B2	CP2	905	ND	ND	Will be checked by 2024	Low	VD3 2016		ON	
Chinon B3	CP2	905	NO	(YES)	Reconstruction completed		VD3 2019		ON	SCC detected on a single faulty weld. Not a generic defect.
Chinon B4	CP2	905	ND	ND	Will be checked by 2024	Low	VD3 2020		ON	
Cruas 1	CP2	915	ND	ND	Will be checked by 2024	Low	VD4 2026		ON	
Cruas 2	CP2	915	ND	ND	Will be checked by 2024	Low	VD3 2018		ON	
Cruas 3	CP2	915	ND	ND	Will be checked by 2024	Low	VD4 2025		RST Dec 25th	Maintenance stop [Dec 18-25]
Cruas 4	CP2	915	ND	ND	Will be checked by 2024	Low	VD3 2016		ON	
Saint-Laurent 1	CP2	915	ND	ND	Will be checked by 2024	Low	VD4 2025		ON	
Saint-Laurent 2	CP2	915	ND	ND	Will be checked by 2024	Low	VD4 2023		ON	Fuel saving stops
Flammanville 1	P4	1330	ND	ND	Will be checked by 2024	Low	VD3 2018		RST Feb 19th	
Flammanville 2	P4	1330	(YES)	?	Reconstruction completed		VD3 2019		ON	SCC detected on a single faulty weld. Not a generic defect.
Paluel 1	P4	1300	ND	ND	Will be checked by 2024	Low	VD3 2017		ON	
Paluel 2	P4	1300	ND	ND	Will be checked by 2024	Low	VD3 2017		ON	
Paluel 3	P4	1300	ND	ND	Will be checked by 2024	Low	VD3 2018		ON	
Paluel 4	P4	1300	ND	ND	Will be checked by 2024	Low	VD3 2019		ON	
Saint-Alban 1	P4	1335	ND	ND	Will be checked by 2024	Low	VD3 2017		ON	
Saint-Alban 2	P4	1335	ND	ND	Will be checked by 2024	Low	VD3 2018		RST Dec 23th	
Belleville 1	P'4	1310	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2020		ON	
Belleville 2	P'4	1310	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2019		ON	
Cattenom 1	P'4	1300	YES	?	Work In Progress		VD3 2016		RST Feb 12th	
Cattenom 2	P'4	1300	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2018		ON	
Cattenom 3	P'4	1300	YES	?	Work In Progress		VD3 2021		RST Mar 26th	
Cattenom 4	P'4	1300	NO	NO	Reconstruction completed		VD3 2023		ON	Circuits reconstructed after having been dismanteld for diagnostic. No corrosion found.
Golfech 1	P'4	1310	ND	ND	Inspection in progress		VD3 2022: WIP		RST Jun 11th	
Golfech 2	P'4	1310	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2025		ON	
Nogent 1	P'4	1310	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2019		ON	
Nogent 2	P'4	1310	ND	ND	Will be reconstructed in 2023	Med/High	VD3 2020		ON	
Penly 1	P'4	1330	YES	?	Work In Progress		VD3 2022: WIP		RST Mar 20th	
Penly 2	P'4	1330	YES	?	Work In Progress		VD3 2024		RST Jun 11th	
Chooz B1	N4	1500	YES	?	Work In Progress		VD2 2020		RST (2/2) Jan 29th	
Chooz B2	N4	1500	YES	?	Work In Progress		VD2 2019		RST (2/2) Jan 22th	
Civaux 1	N4	1495	YES	?	Reconstruction completed		VD2 2022: WIP		RST (1/2) Jan 8th	
Civaux 2	N4	1495	YES	?	Reconstruction completed		VD2 2022?		RST Feb 19th	

									% ON or Ramp Up	41
									OFF	15
									% ON or R-U	73%

	Best case scenario					Worst case scenario		
	Capa		Max Prod			Max Prod		
	ON	R-U	Tot	%TC	TC = Total Capacity	Tot	%TP	
Total Capacity [GW]	61,3							
In service on Dec 21st	41	0,9	**41,9**	68%	Incl. 50% Ramp-Up			
In service on Jan 1st	42	3,1	**44,0**	72%	Incl. 50% Ramp-Up	**39,1**	64%	2/3 R-U Jan 1st & remaining prod 10% down
In service on Jan 15th	48		**47,9**	78%		**41,2**	67%	70% RST 31 Dec, 50% RST Jan 15 & remaining prod 10% down

R-U = Ramp Up RST: Restart WIP = Work in Progress Dates = REMIT = best case scenario [generally delayed]