

	Hour Ending	RRE Available Capacity (MW)	Total of RRE Derates (MW)	Timeline of Events	
23-Dec	12	21764	3108		
	13	21764	3108		
	14	21764	3108		
	15	21764	3108		
	16	21764	3108		
	17	21572	3300	Smith U1 Failed Start @ 1652 (192MW)	
	18	21572	3300		
	19	21572	3300		
	20	21764	3108	Smith U1 RTS @ 2005 on Oil (192MW)	
	21	21764	3108		
	22	21764	3108		
	23	21405	3467	Dan River CC Derate @ 2351 (359MW)	359
	24	21405	3467		
24-Dec	1	21405	3467		
	2	21405	3467		
	3	21080	3792	Roxboro U3 3B BFT Tripped @ 0230 (325MW)*	325
	4	21063	3809	Note: Mountain Island 2 (17MW) failed to start 0418, RTS 0715	
	5	21063	3809	Lincoln 6 offline @ 0535 on oil, back online on gas @ 0559	
	6	21012	3860	Blewett U1,U2,U4 Failed Starts (51MW)	51
	7	20679	4193	Mayo 1B Boiler Offline @ 0609 + FGD Issues (350MW)**	350
	8	20665	4207	Clemson CHP Offline @0800 (14MW)	
	9	20392	4480	Smith PB4 Derate @ 0835 (273MW)	1085
	10	20214	4658	Buck CC Low Gas Pressure (Transco) Derate @ 0945 (178MW)	Total
	11	20231	4641	Blewett U1 RTS @ 1105 (17MW)	
	12	20231	4641		
	13	20231	4641		
	14	19546	5326	Rox 1&2 Derates @ 1358 (RX01 185MW, RX02 500MW)	
	15	19560	5312	Clemson CHP RTS @ 1415 (14MW)	
	16	19560	5312		
	17	19738	5134	Buck CC FLA @ 1700 (178MW)	
	18	19738	5134		
	19	19738	5134		
	20	20011	4861	Smith Unit 8 RTS @ 2005 (273MW)	
	21	20011	4861		
	22	20011	4861		
	23	20511	4361	Rox 2 Derate Ended @ 2300 (500MW)	
	24	20511	4361		
25-Dec	1	20870	4002	Dan River U9 RTS @ 0008 (359MW)	
	2	20775	4097	Mill Creek U7 Trip @ 0135 (95MW)	
	3	20710	4162	Rox 1 Derate Increased 185MW to 250MW @ 0305 (65MW)	
	4	20610	4262	Dan River CC Low Gas Pressure (Transco) Derate) @ 0300 (100MW)	
	5	20610	4262		
	6	20610	4262		
	7	20490	4382	Buck CC Low Gas Pressure (Transco) Derate @ 0700 (120MW)	
	8	20585	4287	Mill Creek U7 RTS @ 0735 (95MW)	
	9	20585	4287		
	10	20585	4287		
	11	20585	4287		

System Status Prior to 12/23/22 (3,108MW RRE Capacity Unavailable)				
	Unit	Derate	Type	Date of Event
DEC	Allen 1	167	Planned	EPR
	Allen 5	259	Planned	EPR
	Belews Creek 1	125	Forced	12/22/2022
	Cliffside 5	71	Forced	12/19/2022
	Marshall 1	380	Forced	9/20/2022
	Marshall 2	380	Forced	12/20/2022
	WS Lee	809	Forced	12/11/2022
	Bad Creek 3	340	Planned	11/1/2021
	Bear Creek 3	10	Planned	???
	Mountain Island 1	14	Planned	???
	Ninety-Nine Islands	3	Planned	???
	Oxford 2	20	Forced	12/21/2022
	Rhodhiss 3	12	Planned	10/31/2022
DEP	Mayo 1	113	Forced	12/19/2022
	Roxboro 3	73	Forced	12/7/2022
	Roxboro 4	211	Forced	11/1/2022
	Smith 2	47	Forced	12/2/2022
	Wayne 11	40	Forced	11/3/2022
	Walters 3	36	Forced	6/6/2022
Note: RRE Installed Winter Capacity = 24,874 MW				

Prior to 12/23	
Coal	1779
Gas	896
Hydro	400
Total	3075

Coal/Gas		Load Shed Hours
		Cold Weather Related Derates

\*Reduced Rox3 derate on 12/24 from 398MW to 325MW because the unit was already carrying a 73MW derate for the 3B6 mill rebuild

\*\*Mayo derate encountered 12/24 was 350MW because unit was already carrying a 113MW derate for the A2 and A5 feeder issues

	12	20585	4287	
	13	20585	4287	
	14	20585	4287	
	15	20585	4287	
	16	20585	4287	
	17	20805	4067	Buck CC and Dan River CC FLA @ 1645
	18	21105	3767	Roxboro 3 3B BFP RTS @1750
	19	21455	3417	Mayo 18 Boiler RTS @ 1830
	20	21455	3417	
	21	21455	3417	
	22	21455	3417	
	23	21705	3167	Rox 1 Derate Ended @ 2239
	24	21705	3167	
26-Dec	1	21705	3167	
	2	21855	3017	Marshall 2 RTS @ 0140 (150MW Capacity at morning peak)
	3	21660	3212	Wayne 14 Tripped @ 0248 (195MW)
	4	21660	3212	
	5	21855	3017	Wayne 14 RTS @ 0451 (195MW)
	6	21855	3017	
	7	21855	3017	
	8	21855	3017	
	9	21855	3017	
	10	21855	3017	
	11	21855	3017	
	12	21855	3017	
	13	21855	3017	
	14	21855	3017	
	15	21855	3017	
	16	21855	3017	
	17	21855	3017	
	18	22085	2787	Marshall 2 FLA
	19	21890	2787	
	20	21890	2787	
	21	22085	2787	
	22	22085	2787	
	23	22085	2787	
	24	22085	2787	

	CAR TOTALS (RRE+NGG)			35,913.5	3,110.3		6.11%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout Shoals	1	Hydro	9.0	0.0			
DEC	Lookout Shoals	2	Hydro	9.0	0.0			

DEC	Lookout Shoals	3	Hydro	9.0	0.0			
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain Island	2	Hydro	17.0	0.0			
DEC	Mountain Island	3	Hydro	17.0	0.0			
DEC	Mountain Island	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine Islands	1	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	2	Hydro	3.4	0.0			
DEC	Ninety-Nine Islands	3	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine Islands	5	Hydro	0.0	0.0			
DEC	Ninety-Nine Islands	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	0.0			
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee Creek	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			

DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

	CAR TOTALS (RRE+NGG)			35,913.5	3,110.3		6.11%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrage outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this mult-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout Shoals	1	Hydro	9.0	0.0			
DEC	Lookout Shoals	2	Hydro	9.0	0.0			
DEC	Lookout Shoals	3	Hydro	9.0	0.0			
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain Island	2	Hydro	17.0	0.0			
DEC	Mountain Island	3	Hydro	17.0	0.0			

DEC	Mountain Island	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine Islands	1	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	2	Hydro	3.4	0.0			
DEC	Ninety-Nine Islands	3	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine Islands	5	Hydro	0.0	0.0			
DEC	Ninety-Nine Islands	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	0.0			
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee Creek	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

	CAR TOTALS (RRE+NGG)			35,910.5	4,493.8		10.14%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrage outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this mult-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout Shoals	1	Hydro	9.0	0.0			
DEC	Lookout Shoals	2	Hydro	9.0	0.0			
DEC	Lookout Shoals	3	Hydro	9.0	0.0			
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain Island	2	Hydro	14.0	0.0	Forced	Y	Startup failure occured at 0418 (12/24) due to cold air coming into building through outage access creating cold oil. Unit returned to service at 0715 (12/24).



DEC	Mountain Island	3	Hydro	17.0	0.0			
DEC	Mountain Island	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine Islands	1	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	2	Hydro	3.4	0.0			
DEC	Ninety-Nine Islands	3	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine Islands	5	Hydro	0.0	0.0			
DEC	Ninety-Nine Islands	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	0.0			
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee Creek	1	Hydro	11.5	11.5	Forced	N	Faulty contact on breaker door prevented start permissive at 0500 (12/24). Repair was performed and unit returned to service at 0905 (12/24).
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

			TOTALS	35,913.5	4,272.3		9.55%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout	1	Hydro	9.0	0.0			
DEC	Lookout	2	Hydro	9.0	0.0			
DEC	Lookout	3	Hydro	9.0	0.0			
DEC	Mountain	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain	2	Hydro	17.0	0.0			
DEC	Mountain	3	Hydro	17.0	0.0			

DEC	Mountain	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine	1	Hydro	4.2	0.0			
DEC	Ninety-Nine	2	Hydro	3.4	0.0			
DEC	Ninety-Nine	3	Hydro	4.2	0.0			
DEC	Ninety-Nine	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine	5	Hydro	0.0	0.0			
DEC	Ninety-Nine	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	0.0			
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

			TOTALS	35,913.5	3,002.3		5.74%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	weather Related (%)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout	1	Hydro	9.0	0.0			
DEC	Lookout	2	Hydro	9.0	0.0			
DEC	Lookout	3	Hydro	9.0	0.0			
DEC	Mountain	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain	2	Hydro	17.0	0.0			
DEC	Mountain	3	Hydro	17.0	0.0			

DEC	Mountain	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine	1	Hydro	4.2	0.0			
DEC	Ninety-Nine	2	Hydro	3.4	0.0			
DEC	Ninety-Nine	3	Hydro	4.2	0.0			
DEC	Ninety-Nine	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine	5	Hydro	0.0	0.0			
DEC	Ninety-Nine	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	0.0			
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

			TOTALS	35,913.5	2,545.8		3.91%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout Shoals	1	Hydro	9.0	0.0			
DEC	Lookout Shoals	2	Hydro	9.0	0.0			
DEC	Lookout Shoals	3	Hydro	9.0	0.0			
DEC	Mountain	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain	2	Hydro	17.0	0.0			
DEC	Mountain	3	Hydro	17.0	0.0			

DEC	Mountain	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine	1	Hydro	4.2	0.0			
DEC	Ninety-Nine	2	Hydro	3.4	0.0			
DEC	Ninety-Nine	3	Hydro	4.2	0.0			
DEC	Ninety-Nine	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine	5	Hydro	0.0	0.0			
DEC	Ninety-Nine	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	11.5	Planned	N	Supporting underwater work for U3 TRSL. Estimated RTS 12/30/22.
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

			TOTALS	35,913.5	2,783.8		5.10%	CAR EFOR (RRE +NGG)
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Bad Creek	1	Hydro	420.0	0.0			
DEC	Bad Creek	2	Hydro	420.0	0.0			
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bad Creek	4	Hydro	340.0	0.0			
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Bridgewater	1	Hydro	15.0	0.0			
DEC	Bridgewater	2	Hydro	15.0	0.0			
DEC	Bridgewater	3	Hydro	1.5	0.0			
DEC	Cedar Cliff	1	Hydro	6.4	0.0			
DEC	Cedar Cliff	2	Hydro	0.4	0.0			
DEC	Cedar Creek	1	Hydro	15.0	0.0			
DEC	Cedar Creek	2	Hydro	15.0	0.0			
DEC	Cedar Creek	3	Hydro	15.0	0.0			
DEC	Cowans Ford	1	Hydro	81.0	0.0			
DEC	Cowans Ford	2	Hydro	81.0	0.0			
DEC	Cowans Ford	3	Hydro	81.0	0.0			
DEC	Cowans Ford	4	Hydro	81.0	0.0			
DEC	Dearborn	1	Hydro	14.0	0.0			
DEC	Dearborn	2	Hydro	14.0	0.0			
DEC	Dearborn	3	Hydro	14.0	0.0			
DEC	Fishing Creek	1	Hydro	11.0	0.0			
DEC	Fishing Creek	2	Hydro	10.0	0.0			
DEC	Fishing Creek	3	Hydro	10.0	0.0			
DEC	Fishing Creek	4	Hydro	11.0	0.0			
DEC	Fishing Creek	5	Hydro	9.0	0.0			
DEC	Great Falls	1	Hydro	0.0	0.0			
DEC	Great Falls	2	Hydro	0.0	0.0			
DEC	Great Falls	3	Hydro	0.0	0.0			
DEC	Great Falls	4	Hydro	0.0	0.0			
DEC	Great Falls	5	Hydro	0.0	0.0			
DEC	Great Falls	6	Hydro	0.0	0.0			
DEC	Great Falls	7	Hydro	0.0	0.0			
DEC	Great Falls	8	Hydro	0.0	0.0			
DEC	Jocassee	1	Hydro	195.0	0.0			
DEC	Jocassee	2	Hydro	195.0	0.0			
DEC	Jocassee	3	Hydro	195.0	0.0			
DEC	Jocassee	4	Hydro	195.0	0.0			
DEC	Keowee	1	Hydro	76.0	0.0			
DEC	Keowee	2	Hydro	76.0	0.0			
DEC	Lookout Shoals	1	Hydro	9.0	0.0			
DEC	Lookout Shoals	2	Hydro	9.0	0.0			
DEC	Lookout Shoals	3	Hydro	9.0	0.0			
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Mountain Island	2	Hydro	17.0	0.0			
DEC	Mountain Island	3	Hydro	17.0	0.0			



DEC	Mountain Island	4	Hydro	17.0	0.0			
DEC	Nantahala	1	Hydro	45.0	0.0			
DEC	Ninety-Nine Islands	1	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	2	Hydro	3.4	0.0			
DEC	Ninety-Nine Islands	3	Hydro	4.2	0.0			
DEC	Ninety-Nine Islands	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Ninety-Nine Islands	5	Hydro	0.0	0.0			
DEC	Ninety-Nine Islands	6	Hydro	0.0	0.0			
DEC	Oxford	1	Hydro	20.0	0.0			
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Queens Creek	1	Hydro	1.4	0.0			
DEC	Rhodhiss	1	Hydro	9.5	0.0			
DEC	Rhodhiss	2	Hydro	11.5	11.5	Planned	N	Supporting underwater work for U3 TRSL. Estimated RTS 12/30/22.
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEC	Tennessee Creek	1	Hydro	11.5	0.0			
DEC	Thorpe	1	Hydro	19.7	0.0			
DEC	Tuckasegee	1	Hydro	2.5	0.0			
DEC	Wateree	1	Hydro	17.0	0.0			
DEC	Wateree	2	Hydro	17.0	0.0			
DEC	Wateree	3	Hydro	17.0	0.0			
DEC	Wateree	4	Hydro	17.0	0.0			
DEC	Wateree	5	Hydro	6.0	0.0			
DEC	Wylie	1	Hydro	18.0	0.0			
DEC	Wylie	2	Hydro	18.0	0.0			
DEC	Wylie	3	Hydro	18.0	0.0			
DEC	Wylie	4	Hydro	6.0	0.0			
DEP	Blewett	1	Hydro	4.0	0.0			
DEP	Blewett	2	Hydro	4.0	0.0			
DEP	Blewett	3	Hydro	4.0	0.0			
DEP	Blewett	4	Hydro	5.0	0.0			
DEP	Blewett	5	Hydro	5.0	0.0			
DEP	Blewett	6	Hydro	5.0	0.0			
DEP	Marshall	1	Hydro	2.0	0.0			
DEP	Marshall	2	Hydro	2.0	0.0			
DEP	Tillery	1	Hydro	21.0	0.0			
DEP	Tillery	2	Hydro	18.0	0.0			
DEP	Tillery	3	Hydro	21.0	0.0			
DEP	Tillery	4	Hydro	25.0	0.0			
DEP	Walters	1	Hydro	36.0	0.0			
DEP	Walters	2	Hydro	40.0	0.0			
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.

		CAR TOTALS (RRE+NGG)		35,913.5	4,482.3		10.14%	CAR EFOR (RRE +NGG)	
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details	Question 20 Data
DEC	Allen	1	Steam	167.0	167.0	Planned	N	EPR	
DEC	Allen	5	Steam	259.0	259.0	Planned	N	EPR	
DEC	Belews Creek	1	Steam	1,110.0	125.0	Forced	N	Forced derate, 1B booster fan tripped due to high vibration on 12/22 @ 1345. Inspection of the fan requires a full unit outage. Placing the fan back in service could result in another high vibration trip which could cause a furnace draft upset in the boiler and compromise the entire unit's output. Fan remains out of service to mitigate risk of tripping the entire unit, RTS TBD.	
DEC	Belews Creek	2	Steam	1,110.0	0.0				
DEC	Cliffside	5	Steam	546.0	71.0	Forced	N	1) 71MW derate when blended gas/coal due to a tube leak in the "E" feedwater heater. E FWH isolated on 12/19, repair requires a unit outage. Estimated RTS is 1/9/23 if the station is granted a maintenance outage from ECC starting 1/2/23. 2) 100MW derate on 100% Coal due to 5B coal feeder gearbox failure on 9/11/22. The new gearbox was received on 12/16 but the shaft length of the new gearbox supplied by vendor was incorrect. The replacement gearbox should ship from vendor on 12/30. Estimated RTS 1/3/23.	
DEC	Cliffside	6	Steam	849.0	0.0			Gas - FLA, 205MW derate on 100% Coal (6B and 6F pulverizer issues)	
DEC	Marshall	1	Steam	380.0	380.0	Forced	N	Unit entered planned GMS outage on 9/22/22 for boiler lower slope tube replacement project, unit return to service delayed by failure of boiler circulating water pump. Unit has been in outage since 11/20/22 awaiting pump rebuilds and motor rewinds of the BCPs. Estimated return to service 12/28/22.	
DEC	Marshall	2	Steam	380.0	380.0	Forced	N	Forced outage, unit tripped on 12/20 @ 1636 due to a boiler tube leak in two waterwall locations. Alliance contractor working around the clock with crews at each location to repair the leaks.	
DEC	Marshall	3	Steam	658.0	0.0				
DEC	Marshall	4	Steam	660.0	0.0				
DEP	Mayo	1	Steam	713.0	336.0	Forced	Y	Forced outage on B boiler, boiler tripped 12/24 at 0609 due to frozen drum level sensing lines. Heat trace and insulation was energized and intact, cold weather conditions experienced appear to have overcome measures in place. Station taking action to increase insulation and heat trace.	
DEP	Mayo	1	Steam	-	14.0	Forced	Y	Gypsum production and scrubber pH issues affecting unit production began early morning hours of 12/24. G1 and G2 conveyors / conveyor chutes experienced multiple plugging events due to frozen gypsum.	
DEP	Mayo	1	Steam	-	113.0	Forced	N	Existing A boiler pulverizer issues (A5-2 and A2-2 coal feeders out of service awaiting out-of-stock parts, no delivery date committed but estimate March 2023.) and an additional 50 MW forced derate to control elevated 'A' boiler feed pump turbine outboard bearing vibration encountered on 12/22 @ 1518. Removing the pump from service for troubleshooting / repair would result in a larger derate of ~356MW.	
DEP	Roxboro	1	Steam	380.0	0.0		N	Full load available as of 0700 and through morning peak. Forced derate of ~185MW at 1358 that afternoon through evening peak due to restricted coal reclaim capacity resulting from 7B reclaim conveyor belt failure (belt failure occurred 12/24 at 0805).	
DEP	Roxboro	2	Steam	673.0	0.0		N	Full load available as of 0700 and through morning peak. Forced derate of ~500MW at 1358 that afternoon through evening peak due to restricted coal reclaim capacity resulting from 7B reclaim conveyor belt failure (belt failure occurred 12/24 at 0805).	
DEP	Roxboro	3	Steam	698.0	398.0	Forced	Y	Forced derate, 3B Boiler Feed Pump/Boiler Feed Pump Turbine out of service 12/24 at 0230 due to trip resulting from frozen sensing lines and frozen switches. Heat trace and insulation was energized and intact, cold weather conditions experienced appear to have overcome measures in place. Station taking action to increase insulation and heat trace.	
DEP	Roxboro	4	Steam	711.0	211.0	Forced	N	Forced derate, 4B1 ID Fan out of service due to grounded motor. This motor ground occurred on 11/1/22. Estimates from motor shop on rewind duration are 16 weeks, replacement motor lead time 6-12 months. 4B1 ID Fan RTS TBD.	
DEP	Asheville PB1		Combined Cycle	280.0	0.0				
DEP	Asheville PB2		Combined Cycle	280.0	0.0				
DEC	Buck		Combined Cycle	718.0	0.0	Forced	Y	Forced derate due to low gas pressure (Transco), unable to fully duct fire. 178 MW derate from 0945 to 1700, 120 MW derate starting at 1700.	
DEC	Dan River		Combined Cycle	718.0	359.0	Forced	Y	Forced derate, Unit 9 offline 12/23 @ 2351 due to frozen LP drum level transmitters. Unit 9 delayed return to service because of gas turbine compressor bleed valve fault (failed valve limit switch requiring replacement). Heat trace for the LP drum level transmitter sensing lines was confirmed to be energized and all insulation was observed to be intact. Wind exposure under the cold conditions experiecned appear to have overcame the measures in place. Station taking action to increase insulation and prevent wind exposure (also checking at Buck CC for similar design EOC).	
DEP	HF Lee		Combined Cycle	1,059.0	0.0				

DEP	Smith PB4		Combined Cycle	570.0	273.0	Forced	Y	Forced derate, Unit 8 generator breaker opened 12/24 @ 0835 due to hot reheat attemperator priority lowering from frozen transmitter 210-PT-8071A and 210-PT-8071B sensing lines. Heat trace for the sensing lines was found energized and heating, however, a 1" gap in the line's insulation/lagging was discovered which allowed the line to freeze. Insulation/lagging corrected, line thawed and unit returned to full output (derate duration 11hr 35min).	
DEP	Smith PB5		Combined Cycle	680.0	0.0				
DEP	Sutton		Combined Cycle	719.0	0.0				
DEC	WS Lee		Combined Cycle	809.0	809.0	Forced	N	Forced outage, Unit 10 steam turbine turning gear failure resulting in a fire within the steam turbine enclosure occurred on 12/11/22. Siemens Energy, alliance electrical contractor, Duke FMS crews and alliance insulation contractor working around the clock to assess damage and make repairs. Estimated return to service per current COA is 1/31/23.	
DEP	Asheville	3	Simple Cycle CT	185.0	0.0				
DEP	Asheville	4	Simple Cycle CT	185.0	0.0				
DEP	Blewett	1	Simple Cycle CT	17.0	17.0	Forced	N	Unit 1 failed to start 12/24 at 0538 due to fuel demand logic issues. Control logic adjustments made by the station CT Tech and DCS System Owner and the unit returned to service 12/24 @ 1105.	
DEP	Blewett	2	Simple Cycle CT	17.0	17.0	Forced	N	Unit 2 failed to start 12/24 at 0538 due to suspected fuel card issues (electrical), troubleshooting in progress. RTS TBD.	
DEP	Blewett	3	Simple Cycle CT	17.0	0.0				
DEP	Blewett	4	Simple Cycle CT	17.0	17.0	Forced	N	Unit 4 failed to start 12/24 at 0538 due to three (3) exhaust thermocouples failing. Station reset thermocouples and unit returned to service 12/24 at 0710.	
DEP	Darlington	12	Simple Cycle CT	131.0	0.0				
DEP	Darlington	13	Simple Cycle CT	133.0	0.0				
DEC	Lee	7C	Simple Cycle CT	48.0	0.0				
DEC	Lee	8C	Simple Cycle CT	48.0	0.0				
DEC	Lincoln	1	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	2	Simple Cycle CT	96.0	0.0				
DEC	Lincoln	3	Simple Cycle CT	95.0	0.0				
DEC	Lincoln	4	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	5	Simple Cycle CT	93.0	0.0				
DEC	Lincoln	6	Simple Cycle CT	93.0	0.0				
DEC	Lincoln	7	Simple Cycle CT	95.0	0.0				
DEC	Lincoln	8	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	9	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	10	Simple Cycle CT	96.0	0.0				
DEC	Lincoln	11	Simple Cycle CT	95.0	0.0				

DEC	Lincoln	12	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	13	Simple Cycle CT	93.0	0.0				
DEC	Lincoln	14	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	15	Simple Cycle CT	94.0	0.0				
DEC	Lincoln	16	Simple Cycle CT	93.0	0.0				
DEC	Mill Creek	1	Simple Cycle CT	94.0	0.0				
DEC	Mill Creek	2	Simple Cycle CT	94.0	0.0				
DEC	Mill Creek	3	Simple Cycle CT	95.0	0.0				
DEC	Mill Creek	4	Simple Cycle CT	94.0	0.0				
DEC	Mill Creek	5	Simple Cycle CT	94.0	0.0				
DEC	Mill Creek	6	Simple Cycle CT	92.0	0.0				
DEC	Mill Creek	7	Simple Cycle CT	95.0	0.0				
DEC	Mill Creek	8	Simple Cycle CT	93.0	0.0				
DEC	Rockingham	1	Simple Cycle CT	179.0	0.0				
DEC	Rockingham	2	Simple Cycle CT	179.0	0.0				
DEC	Rockingham	3	Simple Cycle CT	179.0	0.0				
DEC	Rockingham	4	Simple Cycle CT	179.0	0.0				
DEC	Rockingham	5	Simple Cycle CT	179.0	0.0				
DEP	Smith Energy Complex	1	Simple Cycle CT	192.0	0.0				
DEP	Smith Energy Complex	2	Simple Cycle CT	192.0	47.0	Forced	N	Derate to max output of 145 MW due to combustor hardware issues first encountered on 12/2/22, combustor hardware to be replaced during spring 2023 outage.	
DEP	Smith Energy Complex	3	Simple Cycle CT	192.0	0.0				
DEP	Smith Energy Complex	4	Simple Cycle CT	192.0	0.0				
DEP	Smith Energy Complex	6	Simple Cycle CT	192.0	0.0				
DEP	Sutton	4	Simple Cycle CT	49.0	0.0				
DEP	Sutton	5	Simple Cycle CT	49.0	0.0				
DEP	Wayne County	10	Simple Cycle CT	195.0	0.0				

DEP	Wayne County	11	Simple Cycle CT	195.0	40.0	Forced	N	Unit is limited to 155 MWs on fuel oil and fuel gas due to high NOx emissions at full load. Issue with the combustor hardware was first encountered on 11/3/22. An outage will be scheduled in 2023 to replace the fuel nozzles.	
DEP	Wayne County	12	Simple Cycle CT	195.0	0.0				
DEP	Wayne County	13	Simple Cycle CT	195.0	0.0				
DEP	Wayne County	14	Simple Cycle CT	195.0	0.0				
DEP	Weatherspoon	1	Simple Cycle CT	41.0	0.0				
DEP	Weatherspoon	2	Simple Cycle CT	41.0	0.0				
DEP	Weatherspoon	3	Simple Cycle CT	41.0	0.0				
DEP	Weatherspoon	4	Simple Cycle CT	41.0	0.0				
DEC	Clemson CHP	1	CHP	14.0	14.0	Forced	Y	Gas turbine tripped at 0800 due to low gas pressure (Fort Hill), back online at 1415.	
DEC	Bad Creek	1	Hydro	420.0	0.0				
DEC	Bad Creek	2	Hydro	420.0	0.0				
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.	
DEC	Bad Creek	4	Hydro	340.0	0.0				
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage	
DEC	Bridgewater	1	Hydro	15.0	0.0				
DEC	Bridgewater	2	Hydro	15.0	0.0				
DEC	Bridgewater	3	Hydro	1.5	0.0				
DEC	Cedar Cliff	1	Hydro	6.4	0.0				
DEC	Cedar Cliff	2	Hydro	0.4	0.0				
DEC	Cedar Creek	1	Hydro	15.0	0.0				
DEC	Cedar Creek	2	Hydro	15.0	0.0				
DEC	Cedar Creek	3	Hydro	15.0	0.0				
DEC	Cowans Ford	1	Hydro	81.0	0.0				
DEC	Cowans Ford	2	Hydro	81.0	0.0				
DEC	Cowans Ford	3	Hydro	81.0	0.0				
DEC	Cowans Ford	4	Hydro	81.0	0.0				
DEC	Dearborn	1	Hydro	14.0	0.0				
DEC	Dearborn	2	Hydro	14.0	0.0				
DEC	Dearborn	3	Hydro	14.0	0.0				
DEC	Fishing Creek	1	Hydro	11.0	0.0				
DEC	Fishing Creek	2	Hydro	10.0	0.0				
DEC	Fishing Creek	3	Hydro	10.0	0.0				
DEC	Fishing Creek	4	Hydro	11.0	0.0				
DEC	Fishing Creek	5	Hydro	9.0	0.0				
DEC	Great Falls	1	Hydro	0.0	0.0				
DEC	Great Falls	2	Hydro	0.0	0.0				
DEC	Great Falls	3	Hydro	0.0	0.0				
DEC	Great Falls	4	Hydro	0.0	0.0				
DEC	Great Falls	5	Hydro	0.0	0.0				
DEC	Great Falls	6	Hydro	0.0	0.0				
DEC	Great Falls	7	Hydro	0.0	0.0				
DEC	Great Falls	8	Hydro	0.0	0.0				
DEC	Jocassee	1	Hydro	195.0	0.0				
DEC	Jocassee	2	Hydro	195.0	0.0				

DEC	Jocassee	3	Hydro	195.0	0.0				
DEC	Jocassee	4	Hydro	195.0	0.0				
DEC	Keowee	1	Hydro	76.0	0.0				
DEC	Keowee	2	Hydro	76.0	0.0				
DEC	Lookout Shoals	1	Hydro	9.0	0.0				
DEC	Lookout Shoals	2	Hydro	9.0	0.0				
DEC	Lookout Shoals	3	Hydro	9.0	0.0				
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage	
DEC	Mountain Island	2	Hydro	17.0	0.0				
DEC	Mountain Island	3	Hydro	17.0	0.0				
DEC	Mountain Island	4	Hydro	17.0	0.0				
DEC	Nantahala	1	Hydro	45.0	0.0				
DEC	Ninety-Nine Islands	1	Hydro	4.2	0.0				
DEC	Ninety-Nine Islands	2	Hydro	3.4	0.0				
DEC	Ninety-Nine Islands	3	Hydro	4.2	0.0				
DEC	Ninety-Nine Islands	4	Hydro	3.4	3.4	Planned	N	Planned outage	
DEC	Ninety-Nine Islands	5	Hydro	0.0	0.0				
DEC	Ninety-Nine Islands	6	Hydro	0.0	0.0				
DEC	Oxford	1	Hydro	20.0	0.0				
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.	
DEC	Queens Creek	1	Hydro	1.4	0.0				
DEC	Rhodhiss	1	Hydro	9.5	0.0				
DEC	Rhodhiss	2	Hydro	11.5	0.0				
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.	
DEC	Tennessee Creek	1	Hydro	11.5	0.0				
DEC	Thorpe	1	Hydro	19.7	0.0				
DEC	Tuckasegee	1	Hydro	2.5	0.0				
DEC	Wateree	1	Hydro	17.0	0.0				
DEC	Wateree	2	Hydro	17.0	0.0				
DEC	Wateree	3	Hydro	17.0	0.0				
DEC	Wateree	4	Hydro	17.0	0.0				
DEC	Wateree	5	Hydro	6.0	0.0				
DEC	Wylie	1	Hydro	18.0	0.0				
DEC	Wylie	2	Hydro	18.0	0.0				
DEC	Wylie	3	Hydro	18.0	0.0				
DEC	Wylie	4	Hydro	6.0	0.0				
DEP	Blewett	1	Hydro	4.0	0.0				
DEP	Blewett	2	Hydro	4.0	0.0				
DEP	Blewett	3	Hydro	4.0	0.0				
DEP	Blewett	4	Hydro	5.0	0.0				
DEP	Blewett	5	Hydro	5.0	0.0				
DEP	Blewett	6	Hydro	5.0	0.0				
DEP	Marshall	1	Hydro	2.0	0.0				
DEP	Marshall	2	Hydro	2.0	0.0				
DEP	Tillery	1	Hydro	21.0	0.0				
DEP	Tillery	2	Hydro	18.0	0.0				
DEP	Tillery	3	Hydro	21.0	0.0				

DEP	Tillery	4	Hydro	25.0	0.0				
DEP	Walters	1	Hydro	36.0	0.0				
DEP	Walters	2	Hydro	40.0	0.0				
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.	
DEP	Brunswick	1	Nuclear	973.0	0.0				
DEP	Brunswick	2	Nuclear	915.0	0.0				
DEP	Harris	1	Nuclear	1,001.0	0.0				
DEP	Robinson	2	Nuclear	759.0	759.0	Planned	N	Planned refueling outage	
DEC	Catawba	1	Nuclear	1,190.0	0.0				
DEC	Catawba	2	Nuclear	1,183.0	0.0				
DEC	McGuire	1	Nuclear	1,195.0	0.0				
DEC	McGuire	2	Nuclear	1,193.0	0.0				
DEC	Oconee	1	Nuclear	874.0	0.0				
DEC	Oconee	2	Nuclear	874.0	0.0				
DEC	Oconee	3	Nuclear	883.0	0.0				

**GENERATING NET UNIT CAPACITY RATINGS**

Effective 12/31/2021

DEC	Unit	Current 2021 Winter Capacity Ratings (MW)	New 2022 Winter Capacity Ratings (MW)	Delta (MW)
<b>FOSSIL STEAM</b>				
Allen	1	167	167	0
Allen	2	167	NA	NA
Allen	3	270	NA	NA
Allen	4	267	NA	NA
Allen	5	259	259	0
Belews Creek	1	1110	1110	0
Belews Creek	2	1110	1110	0
Cliffside	5	546	546	0
Cliffside	6	849	849	0
WS Lee Steam	3	173	0	-173
Marshall	1	380	380	0
Marshall	2	380	380	0
Marshall	3	658	658	0
Marshall	4	660	660	0
<b>TOTAL FOSSIL</b>	<b>14</b>	<b>6996</b>	<b>6119</b>	<b>-877</b>
<b>COMBINED CYCLE</b>				
Buck	PB1	718	718	0
Dan River	PB1	718	718	0
WS Lee	CC	809	809	0
<b>TOTAL CC</b>	<b>3</b>	<b>2245</b>	<b>2245</b>	<b>0</b>
<b>COMBUSTION TURBINE</b>				
Clemson CHP	1	15.5	15.5	0

Retired effective 12/31/2021

Retired effective 3/31/2021

Retired effective 12/31/2021

Retired effective 3/31/2022



WS Lee	7	48	48	0
WS Lee	8	48	48	0
Lincoln	1	94	94	0
Lincoln	2	96	96	0
Lincoln	3	95	95	0
Lincoln	4	94	94	0
Lincoln	5	93	93	0
Lincoln	6	93	93	0
Lincoln	7	95	95	0
Lincoln	8	94	94	0
Lincoln	9	94	94	0
Lincoln	10	96	96	0
Lincoln	11	95	95	0
Lincoln	12	94	94	0
Lincoln	13	93	93	0
Lincoln	14	94	94	0
Lincoln	15	94	94	0
Lincoln	16	93	93	0
Mill Creek	1	94	94	0
Mill Creek	2	94	94	0
Mill Creek	3	95	95	0
Mill Creek	4	94	94	0
Mill Creek	5	94	94	0
Mill Creek	6	92	92	0
Mill Creek	7	95	95	0
Mill Creek	8	93	93	0
Rockingham	1	179	179	0
Rockingham	2	179	179	0
Rockingham	3	179	179	0
Rockingham	4	179	179	0
Rockingham	5	179	179	0
<b>TOTAL CT</b>	<b>32</b>	<b>3264.5</b>	<b>3264.5</b>	<b>0</b>

REFERENCE ONLY - 2022 VERIFICATION

HYDRO		OCCURS DURING SUMMER 2021.			
Bad Creek	1	420	420	0	
Bad Creek	2	420	420	0	
Bad Creek	3	340	340	0	
Bad Creek	4	340	340	0	
Bear Creek	1	9.5	9.5	0	
Bridgewater	1	15	15	0	
Bridgewater	2	15	15	0	
Bridgewater	3	1.5	1.5	0	
Bryson	1	-	-	-	SOLD
Bryson	2	-	-	-	SOLD
Cedar Cliff	1	6.4	6.4	0	
Cedar Cliff	2	0.4	0.4	0	
Cedar Creek	1	15	15	0	
Cedar Creek	2	15	15	0	
Cedar Creek	3	15	15	0	
Cowans Ford	1	81	81	0	
Cowans Ford	2	81	81	0	
Cowans Ford	3	81	81	0	
Cowans Ford	4	81	81	0	
Dearborn	1	14	14	0	
Dearborn	2	14	14	0	
Dearborn	3	14	14	0	
Fishing Creek	1	11	11	0	
Fishing Creek	2	10	10	0	
Fishing Creek	3	10	10	0	
Fishing Creek	4	11	11	0	
Fishing Creek	5	9	9	0	
Franklin	1	-	-	-	SOLD
Franklin	2	-	-	-	SOLD
Gaston Shoals	3	-	-	-	SOLD
Gaston Shoals	4	-	-	-	SOLD
Gaston Shoals	5	-	-	-	SOLD
Gaston Shoals	6	-	-	-	SOLD

Great Falls	1	0	0	0	
Great Falls	2	0	0	0	
Great Falls	3	0	0	0	
Great Falls	4	0	0	0	
Great Falls	5	0	0	0	
Great Falls	6	0	0	0	
Great Falls	7	0	0	0	
Great Falls	8	0	0	0	
Jocassee	1	195	195	0	
Jocassee	2	195	195	0	
Jocassee	3	195	195	0	
Jocassee	4	195	195	0	
Keowee	1	76	76	0	
Keowee	2	76	76	0	
Lookout Shoals	1	9	9	0	
Lookout Shoals	2	9	9	0	
Lookout Shoals	3	9	9	0	
Mission	1	-	-	-	SOLD
Mission	2	-	-	-	SOLD
Mission	3	-	-	-	SOLD
Mountain Island	1	14	14	0	
Mountain Island	2	14	17	3	
Mountain Island	3	17	17	0	
Mountain Island	4	17	17	0	
Nantahala	1	50	45	-5	
Ninety-Nine Islands	1	4.2	4.2	0	
Ninety-Nine Islands	2	3.4	3.4	0	
Ninety-Nine Islands	3	4.2	4.2	0	
Ninety-Nine Islands	4	3.4	3.4	0	
Ninety-Nine Islands	5	0	0	0	
Ninety-Nine Islands	6	0	0	0	
Oxford	1	20	20	0	
Oxford	2	20	20	0	
Queens Creek	1	1.4	1.4	0	

Rhodhiss	1	9.5	9.5	0
Rhodhiss	2	11.5	11.5	0
Rhodhiss	3	12.4	12.4	0
Tennessee Creek	1	9.8	11.5	1.7
Thorpe	1	19.7	19.7	0
Tuckasegee	1	2.5	2.5	0
Tuxedo	1	-	-	-
Tuxedo	2	-	-	-
Wateree	1	17	17	0
Wateree	2	17	17	0
Wateree	3	17	17	0
Wateree	4	17	17	0
Wateree	5	6	6	0
Wylie	1	18	18	0
Wylie	2	18	18	0
Wylie	3	18	18	0
Wylie	4	6	6	0
TOTAL HYDRO	84	3357	3357	-0.3
TOTAL DEC	133	15862	14985	-877

SOLD  
SOLD

**GENERATING NET UNIT CAPACITY RATINGS**

Effective 12/31/2021

DEP	Unit	Current 2021 Winter Capacity Ratings (MW)	New 2022 Winter Capacity Ratings (MW)	Delta (MW)
<b>FOSSIL STEAM</b>				
Asheville	1	N/A	N/A	N/A
Asheville	2	N/A	N/A	N/A
Mayo	1	713	713	0
Roxboro	1	380	380	0
Roxboro	2	673	673	0
Roxboro	3	698	698	0
Roxboro	4	711	711	0
<b>TOTAL COAL</b>	<b>7</b>	<b>3175</b>	<b>3175</b>	<b>0</b>
<b>COMBINED CYCLE</b>				
Asheville	PB1	280	280	0
Asheville	PB2	280	280	0
HF Lee	PB1	1059	1054	-5
Smith Energy	PB4	570	570	0
Smith Energy	PB5	680	680	0
Sutton	PB1	719	719	0
<b>TOTAL CC</b>	<b>4</b>	<b>3588</b>	<b>3583</b>	<b>-5</b>
<b>COMBUSTION TURBINE</b>				
Asheville	3	185	185	0
Asheville	4	185	185	0
Blewett	1	17	17	0
Blewett	2	17	17	0
Blewett	3	17	17	0
Blewett	4	17	17	0
Darlington	1	NA	NA	NA
Darlington	2	NA	NA	NA
Darlington	3	NA	NA	NA
Darlington	4	NA	NA	NA
Darlington	5	NA	NA	NA
Darlington	6	NA	NA	NA
Darlington	7	NA	NA	NA
Darlington	8	NA	NA	NA
Darlington	9	NA	NA	NA
Darlington	10	NA	NA	NA
Darlington	11	NA	NA	NA

Darlington	12	131	131	0
Darlington	13	133	133	0
Smith Energy	1	192	192	0
Smith Energy	2	192	192	0
Smith Energy	3	192	192	0
Smith Energy	4	192	192	0
Smith Energy	6	192	192	0
Sutton	4	NA	NA	NA
Sutton	2A	NA	NA	NA
Sutton	2B	NA	NA	NA
Sutton	4	48	49	1
Sutton	5	48	48	0
Wayne	1	187	195	8
Wayne	2	192	195	3
Wayne	3	193	195	2
Wayne	4	191	195	4
Wayne	5	195	195	0
Weatherspoon	1	41	41	0
Weatherspoon	2	41	41	0
Weatherspoon	3	41	41	0
Weatherspoon	4	41	41	0
<b>TOTAL CT</b>	<b>32</b>	<b>2880</b>	<b>2898</b>	<b>18</b>

**HYDRO**

REFERENCE ONLY - 2021 VERIFICATION  
OCCURS DURING SUMMER 2021.

Blewett	1	4	4	0
Blewett	2	4	4	0
Blewett	3	4	4	0
Blewett	4	5	5	0
Blewett	5	5	5	0
Blewett	6	5	5	0
Marshall	1	2	2	0
Marshall	2	2	2	0
Tillery	1	21	21	0
Tillery	2	18	18	0
Tillery	3	21	21	0
Tillery	4	25	25	0
Walters	1	36	36	0
Walters	2	40	40	0
Walters	3	36	36	0
<b>TOTAL HYDRO</b>	<b>15</b>	<b>228</b>	<b>228</b>	<b>0</b>
<b>TOTAL DEP</b>	<b>62</b>	<b>9871</b>	<b>9884</b>	<b>13</b>

			TOTALS	24,873.5	3,852.3		5.05%	RRE EFOR
Jurisdiction	Station	Unit ID	Type	2022 Winter Capacity (MW)	Derate (MW)	Forced vs Planned	Weather Related (Y/N)	Derate Details
DEC	Allen	1	Steam	167.0	167.0	Planned	N	EPR
DEC	Allen	5	Steam	259.0	259.0	Planned	N	EPR
DEC	Belews Creek	1	Steam	1,110.0	1110.0	MO	N	Maintenance outage for 1B Booster Fan Inspection
DEC	Cliffside	5	Steam	546.0	546.0	MO	N	1) 71MW derate when blended gas/coal due to a tube leak in the "E" feedwater heater. E FWH isolated on 12/19, repair requires a unit outage. Estimated RTS is 1/9/23 if the station is granted a maintenance outage from ECC starting 1/2/23. 2) 100MW derate on 100% Coal due to 5B coal feeder gearbox failure on 9/11/22. The new gearbox was received on 12/16 but the shaft length of the new gearbox supplied by vendor was incorrect. The replacement gearbox should ship from vendor on 12/30. Estimated RTS 1/3/23.
DEP	Mayo	1	Steam	713.0	113.0	Forced	N	Forced derate to control elevated 'A' boiler feed pump turbine outboard bearing vibration encountered on 12/22 @ 1518. Removing the pump from service for troubleshooting / repair would result in a larger derate of ~356MW. Estimated RTS TBD.
DEP	Roxboro	3	Steam	698.0	98.0	Planned	N	Planned derate, 3B6 pulverizer removed from service 12/7/22 for full rebuild and other minor pulverizer performance issues. Station had been awaiting long lead time parts for multiple pulverizers which arrived October 2022 (ordered in Oct/Nov of 2021). The station has been working through planned rebuilds of pulverizers one at a time since the parts arrived. 4A2 and 4A3 had recently been completed on Unit 4, planned derate granted by ECC for 12/7-12/30 window to perform 3B6 rebuild by year end. Estimated return to service 12/30.
DEP	Roxboro	4	Steam	711.0	211.0	Forced	N	Forced derate, 4B1 ID Fan out of service due to grounded motor. This motor ground occurred on 11/1/22. Estimates from motor shop on rewind duration are 16 weeks, replacement motor lead time 6-12 months. 4B1 ID Fan RTS TBD.
DEC	WS Lee		Combined Cycle	809.0	809.0	Forced	N	Forced outage, Unit 10 steam turbine turning gear failure resulting in a fire within the steam turbine enclosure occurred on 12/11/22. Siemens Energy, alliance electrical contractor, Duke FMS crews and alliance insulation contractor working around the clock to assess damage and make repairs. Estimated return to service per current COA is 1/31/23.
DEP	Blewett	2	Simple Cycle	17.0	17.0	Forced	N	Unit 2 failed to start 12/24 at 0538 due to suspected fuel card issues (electrical), troubleshooting in progress. RTS TBD.
DEP	Smith Energy Complex	2	Simple Cycle CT	192.0	47.0	Forced	N	Derate to max output of 145 MW due to combustor hardware issues first encountered on 12/2/22, combustor hardware to be replaced during spring 2023 outage.
DEP	Wayne County	11	Simple Cycle CT	195.0	40.0	Forced	N	Unit is limited to 155 MWs on fuel oil and fuel gas due to high NOx emissions at full load. Issue with the combustor hardware was first encountered on 11/3/22. An outage will be scheduled in 2023 to replace the fuel nozzles.
DEC	Bad Creek	3	Hydro	340.0	340.0	Planned	N	Unit 3 major upgrade outage, unit removed from service on 11/1/2021. Estimated return to service per current COA is 2/27/2023. Unit 3 is the third of the four units at Bad Creek undergoing this multi-year upgrade / MW uprate project.
DEC	Bear Creek	1	Hydro	9.5	9.5	Planned	N	Planned outage
DEC	Mountain Island	1	Hydro	14.0	14.0	Planned	N	Planned outage
DEC	Ninety-Nine	4	Hydro	3.4	3.4	Planned	N	Planned outage
DEC	Oxford	2	Hydro	20.0	20.0	Forced	N	Forced outage due to broken wicket gate link, unit removed from service 12/21/22. Estimated return to service per current COA is 1/3/23.
DEC	Rhodhiss	3	Hydro	12.4	12.4	Planned	N	TRSL Project. Per current COA, unit removed from service 10/31/22 with an estimated RTS of 5/26/23.
DEP	Walters	3	Hydro	36.0	36.0	Planned	N	Planned outage for Wicket Gate and Rotor Pole, unit removed from service 6/6/22. Estimated return to service per current COA is 3/23/23.