2021 DECOMMISSIONING FUNDING STATUS REPORT for Operating Power Reactor Licensees (December 31, 2020)

TABLE 1

Plant Name	Expected Shutdown Date as of 3/31/2021	Approx. No. of Years Remaining Before Expected Shutdown	Decommissioning Trust Fund (DTF) Balance (as of 12/31/20)[1]	Projected DTF Balance[2] Before Decommissioning (2020$)	NRC Minimum[3] or Site-Specific Cost Estimate (SSCE[4]) (2020$)
Arkansas Nuclear One, Unit 1	05/20/2034	14	$702,400,000	$918,381,620	$478,289,367
Arkansas Nuclear One, Unit 2	07/17/2038	18	$571,600,000	$812,254,230	$498,040,690
Beaver Valley Power Station, Unit 1	01/29/2036	16	$308,210,548	$325,622,054	$776,588,821 (SSCE)
Beaver Valley Power Station, Unit 2	05/27/2047	27	$423,447,839	$717,895,406	$515,622,884
Braidwood Station, Unit 1	07/29/2046	26	$433,424,000	$726,292,664	$523,784,851
Braidwood Station, Unit 2	10/17/2047	27	$467,982,000	$801,363,822	$523,784,851
Browns Ferry Nuclear Plant, Unit 1	12/20/2033	13	$508,548,717	$968,794,572	$663,251,591
Browns Ferry Nuclear Plant, Unit 2	06/28/2034	14	$495,656,073	$972,120,657	$663,251,591
Browns Ferry Nuclear Plant, Unit 3	07/02/2036	16	$449,347,292	$977,837,954	$663,251,591
Brunswick Steam Electric Plant, Unit 1	09/08/2036	16	$763,186,355	$1,045,489,037	$640,195,000
Brunswick Steam Electric Plant, Unit 2	12/27/2034	14	$848,948,764	$1,121,139,079	$640,195,000
Byron Nuclear Generating Station, Unit 1	09/16/2044	24	$475,341,000	$764,052,915	$523,784,851
Byron Nuclear Generating Station, Unit 2	08/02/2046	26	$458,906,000	$766,436,175	$523,784,851
Callaway Plant, Unit 1	10/18/2044	24	$877,602,879	$2,822,411,294	$523,784,851
Calvert Cliffs Nuclear Power Plant, Unit 1	07/31/2034	14	$491,849,000	$645,233,514	$485,577,519
Calvert Cliffs Nuclear Power Plant, Unit 2	08/13/2036	16	$636,843,000	$870,959,667	$485,577,519
Catawba Nuclear Station, Unit 1	12/05/2043	23	$567,911,540	$1,037,855,497	$488,828,146
Catawba Nuclear Station, Unit 2	12/05/2043	23	$587,885,961	$1,077,393,789	$488,828,146
Clinton Power Station, Unit 1	09/29/2026	6	$650,757,000	$727,569,855	$675,110,126
Columbia Generating Station	12/20/2043	23	$375,700,000	$774,735,414	$579,297,521
Comanche Peak Nuclear Power Plant, Unit 1	02/08/2030	10	$718,198,365	$1,001,730,902	$404,767,246
Comanche Peak Nuclear Power Plant, Unit 2	02/02/2033	13	$789,319,181	$1,080,320,123	$404,767,246
Cooper Nuclear Station	01/18/2034	14	$706,200,165	$917,220,196	$628,957,597
Davis-Besse Nuclear Power Station, Unit 1	04/22/2037	17	$612,565,300	$848,992,452	$497,793,150
Diablo Canyon Power Plant, Unit 1	11/02/2024	4	$1,521,474,522	$2,862,311,610	$1,691,274,936 (SSCE)
Diablo Canyon Power Plant, Unit 2	08/26/2025	5	$1,994,578,104	$3,125,576,913	$1,688,731,286 (SSCE)
Donald C. Cook Nuclear Power Plant, Unit 1	10/25/2034	14	$869,981,945	$1,166,462,987	$519,171,554
Donald C. Cook Nuclear Power Plant, Unit 2	12/23/2037	17	$791,948,450	$1,135,001,743	$523,784,851
Dresden Nuclear Power Station, Unit 2	12/22/2029	9	$876,248,000	$1,047,156,886	$653,171,547
Dresden Nuclear Power Station, Unit 3	01/12/2031	11	$895,711,000	$1,095,644,836	$653,171,547
Farley (Joseph M.) Nuclear Plant, Unit 1	06/25/2037	17	$586,818,442	$895,548,796	$487,216,275
Farley (Joseph M.) Nuclear Plant, Unit 2	03/31/2041	21	$568,954,712	$954,037,703	$487,216,275

1 The staff has provided the projected DTF balance before decommissioning along with the NRC minimum calculated per 10 CFR 50.75(c) or the SSCE (if available) in these tables.

Note that a projected DTF balance less than the NRC minimum or SSCE does not necessarily indicate a shortfall, as the staff also considers several other factors, including the withdrawal rate from the DTF during decommissioning and growth of the funds over time.

2 Includes growth from earnings and contributions.

3 Derived from minimum formula at 10 CFR 50.75(c). Incorporates labor, energy, and low-level waste burial escalation factors.

4 Six licensees provided SSCEs.

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for Operating Power Reactor Licensees (December 31, 2020)

Plant Name	Expected Shutdown Date as of 3/31/2021	Approx. No. of Years Remaining Before Expected Shutdown	Decommissioning Trust Fund (DTF) Balance (as of 12/31/20)[1]	Projected DTF Balance[2] Before Decommissioning (2020$)	NRC Minimum[3] or Site-Specific Cost Estimate (SSCE[4]) (2020$)
Fermi, Unit 2	03/20/2045	25	$1,730,000,000	$2,808,688,617	$1,147,043,126
Fitzpatrick (James A.) Nuclear Power Plant	10/17/2034	14	$918,408,000	$1,210,850,280	$652,121,874
Ginna (Robert E.) Nuclear Power Plant	09/18/2029	9	$575,950,000	$685,998,321	$445,374,024
Grand Gulf Nuclear Station, Unit 1	11/01/2044	24	$1,318,300,000	$2,654,662,777	$640,490,996
Hatch (Edwin I.) Nuclear Plant, Unit 1	08/06/2034	14	$728,642,312	$957,464,615	$634,933,204
Hatch (Edwin I.) Nuclear Plant, Unit 2	06/13/2038	18	$656,123,421	$939,075,136	$634,933,204
Hope Creek Generating Station, Unit 1	04/11/2046	26	$709,710,000	$1,177,444,097	$695,201,906
Indian Point Nuclear Generating, Unit 2	04/30/2020	0	$793,730,000	$793,730,000	$657,847,000 (SSCE)*
Indian Point Nuclear Generating, Unit 3	04/30/2021	1	$990,700,000	$997,321,197	$954,438,000 (SSCE)*
LaSalle County Station, Unit 1	04/17/2042	22	$641,347,000	$982,285,656	$675,110,126
LaSalle County Station, Unit 2	12/16/2043	23	$640,703,000	$1,012,844,334	$675,110,126
Limerick Generating Station, Unit 1	10/26/2044	24	$562,780,000	$1,149,401,355	$694,162,406
Limerick Generating Station, Unit 2	06/22/2049	29	$601,050,000	$1,411,186,431	$694,162,406
McGuire Nuclear Station, Unit 1	03/03/2041	21	$753,663,417	$1,129,588,568	$514,561,546
McGuire Nuclear Station, Unit 2	03/03/2043	23	$824,753,311	$1,286,542,804	$514,561,546
Millstone Power Station, Unit 2	07/31/2035	15	$939,700,000	$1,257,630,352	$482,390,766
Millstone Power Station, Unit 3	11/25/2045	25	$971,700,000	$1,598,731,260	$512,869,891
Monticello Nuclear Generating Plant, Unit 1	09/08/2030	10	$761,345,175	$938,998,846	$610,279,550
Nine Mile Point Nuclear Station, Unit 1	08/22/2029	9	$788,530,000	$937,633,832	$620,375,513
Nine Mile Point Nuclear Station, Unit 2	10/31/2046	26	$629,916,000	$1,055,556,153	$694,162,406
North Anna Power Station, Unit 1	04/01/2038	18	$587,040,000	$830,037,648	$494,331,926
North Anna Power Station, Unit 2	08/21/2040	20	$559,430,000	$828,754,795	$494,331,926
Oconee Nuclear Station, Unit 1	02/06/2033	13	$629,905,135	$804,253,603	$454,369,952
Oconee Nuclear Station, Unit 2	10/06/2033	13	$625,516,804	$809,415,516	$454,369,952
Oconee Nuclear Station, Unit 3	07/19/2034	14	$815,010,832	$1,070,625,141	$454,369,952
Palisades Nuclear Plant	05/31/2022	2	$553,840,000	$569,743,116	$486,748,373
Palo Verde Nuclear Generating Station, Unit 1	06/01/2045	25	$1,344,394,000	$2,193,581,231	$530,321,836
Palo Verde Nuclear Generating Station, Unit 2	04/24/2046	26	$1,339,614,000	$2,222,486,082	$530,321,836
Palo Verde Nuclear Generating Station, Unit 3	11/25/2047	27	$1,412,165,000	$2,418,165,531	$530,321,836
Peach Bottom Atomic Power Station, Unit 2	08/08/2033	13	$764,215,000	$1,720,391,139	$694,162,406
Peach Bottom Atomic Power Station, Unit 3	07/02/2034	14	$789,842,000	$1,832,871,819	$694,162,406
Perry Nuclear Power Plant, Unit 1	03/18/2026	6	$566,802,560	$629,498,595	$1,225,848,583 (SSCE)

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2 Includes growth from earnings and contributions.

3 Derived from minimum formula at 10 CFR 50.75(c). Incorporates labor, energy, and low-level waste burial escalation factors.

4 Six licensees provided SSCEs.

* Indian Point Unit 2 and 3 SSCEs include radiological decommissioning and spent fuel management expenses.

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Point Beach Nuclear Plant, Unit 1	10/05/2030	10	$527,719,591	$642,308,055	$453,148,722
Point Beach Nuclear Plant, Unit 2	03/08/2033	13	$496,953,619	$634,789,063	$453,148,722
Prairie Island Nuclear Generating Plant, Unit 1	08/09/2033	13	$603,267,045	$777,359,410	$447,749,249
Prairie Island Nuclear Generating Plant, Unit 2	10/29/2034	14	$585,378,397	$773,067,410	$447,749,249
Quad Cities Station, Unit 1	12/14/2032	12	$891,152,229	$1,141,511,570	$653,171,547
Quad Cities Station, Unit 2	12/14/2032	12	$960,044,555	$1,228,927,692	$653,171,547
River Bend Station, Unit 1	08/29/2045	25	$1,112,200,000	$2,013,019,849	$647,623,418
Robinson (H.B.) Steam Electric Plant, Unit 2	07/31/2030	10	$866,686,974	$1,049,621,591	$444,988,176
Salem Nuclear Generating Station, Unit 1	08/13/2036	16	$825,873,000	$1,202,574,537	$512,869,891
Salem Nuclear Generating Station, Unit 2	04/18/2040	20	$699,396,000	$1,111,392,199	$512,869,891
Seabrook Station, Unit 1	03/15/2050	30	$966,641,207	$1,734,267,530	$538,603,291
Sequoyah Nuclear Plant, Unit 1	09/17/2040	20	$281,219,236	$753,389,961	$514,561,546
Sequoyah Nuclear Plant, Unit 2	09/15/2041	21	$267,902,656	$754,434,316	$514,561,546
Shearon Harris Nuclear Power Plant, Unit 1	10/24/2046	26	$754,010,373	$1,263,502,258	$494,676,928
South Texas Project, Unit 1	08/20/2047	27	$583,269,446	$1,066,592,777	$404,767,246
South Texas Project, Unit 2	12/15/2048	28	$712,993,806	$1,327,641,137	$404,767,246
St. Lucie Plant, Unit 1	03/01/2036	16	$1,464,701,756	$1,986,546,606	$497,781,939
St. Lucie Plant, Unit 2	04/06/2043	23	$1,401,290,245	$2,189,532,987	$497,781,939
Summer (Virgil C.) Nuclear Station, Unit 1	08/06/2042	22	$366,031,422	$633,051,518	$467,971,477
Surry Power Station, Unit 1	05/25/2032	14	$617,000,000	$775,115,686	$479,108,745
Surry Power Station, Unit 2	01/29/2033	15	$618,400,000	$787,293,409	$479,108,745
Susquehanna Steam Electric Station, Unit 1	07/17/2042	22	$790,629,575	$1,216,991,249	$694,162,406
Susquehanna Steam Electric Station, Unit 2	03/23/2044	24	$869,742,620	$1,384,106,742	$694,162,406
Turkey Point Nuclear Generating, Unit 3	07/19/2032	12	$1,193,964,514	$1,504,940,134	$481,566,880
Turkey Point Nuclear Generating, Unit 4	04/10/2033	13	$1,352,251,030	$1,730,191,287	$481,566,880
Vogtle Electric Generating Plant, Unit 1	01/16/2047	27	$457,854,661	$787,585,447	$514,561,546
Vogtle Electric Generating Plant, Unit 2	02/09/2049	29	$458,952,076	$822,905,677	$514,561,546
Waterford Steam Electric Station, Unit 3	12/18/2044	24	$681,800,000	$1,241,597,873	$514,561,546
Watts Bar Nuclear Plant, Unit 1	11/09/2035	15	$356,405,544	$750,209,925	$514,561,546
Watts Bar Nuclear Plant, Unit 2	10/21/2055	35	$134,662,044	$765,719,951	$514,561,546
Wolf Creek Generating Station, Unit 1	03/11/2045	25	$687,520,000	$1,867,095,283	$523,784,851

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