

Creating Shareholder Value

Metrics

Our story in numbers.

Environmental

Capacity

YEAR	2000 Baseline	2005 Baseline	2018	2019	2020
Dominion Energy Virginia and Contracted Generation Owned Nameplate Generation Capacity at end of year (MW)	15,108	25,910	25,102	23,768	23,359
Coal	5,992	7,937	4,406	3,684	3,684
Natural Gas	1,800	7,107	9,187	8,413	8,413
Nuclear	3,253	5,726	5,349	5,349	5,349
Petroleum	2,476	3,219	2,155	2,143	1,373
Total Renewable Energy Resources	1,587	1,921	4,005	4,179	4,540
Biomass/Biogas		80	236	153	153
Geothermal					
Hydroelectric	1,587	1,841	2,124	2,124	2,124
Solar			1,363	1,752	2,113
Wind			282	150	150
Other	39			15	

Creating Shareholder Value

Metrics / Environmental

Capacity

YEAR	2000 Baseline	2005 Baseline	2018	2019	2020
Dominion Energy South Carolina Owned Nameplate Generation Capacity at end of year (MW)	4,483	5,776	5,708	5,651	5,289
Coal	2,720	2,590	1,789	1,704	1,362
Natural Gas	372	1,719	2,507	2,513	2,493
Nuclear	635	644	647	650	650
Petroleum					
Total Renewable Energy Resources	756	823	765	784	784
Biomass/Biogas					
Geothermal					
Hydroelectric	756	823	765	784	784
Solar					
Wind					
Other					
Combined Owned Nameplate Generation Capacity at end of year (MW)	19,591	31,686	30,810	29,419	28,648
Coal	8,712	10,527	6,195	5,388	5,046
Natural Gas	2,172	8,826	11,694	10,926	10,906
Nuclear	3,888	6,370	5,996	5,999	5,999
Petroleum	2,476	3,219	2,155	2,143	1,373
Total Renewable Energy Resources	2,343	2,744	4,770	4,963	5,324
Biomass/Biogas		80	236	153	153
Geothermal					
Hydroelectric	2,343	2,664	2,889	2,908	2,908
Solar			1,363	1,752	2,113
Wind			282	150	150
Other	39		15		

Metrics / Environmental

Generation Production

YEAR	2000 Baseline	2005 Baseline	2018	2019	2020
Dominion Energy Virginia and Contracted Net Generation Production for the data year (MWh)	71,536,133	109,328,723	100,659,014	94,855,233	100,010,054
Coal	37,772,810	51,607,246	12,302,427	7,177,447	7,719,995
Natural Gas	3,698,671	7,728,873	38,838,261	38,386,925	42,986,218
Nuclear	26,552,901	44,164,092	43,541,335	43,833,345	43,418,072
Petroleum	3,021,949	4,710,344	626,111	123,323	115,279
Total Renewable Energy Resources	489,802	1,118,168	5,350,881	5,334,193	5,770,490
Biomass/Biogas		540,007	1,196,101	1,007,679	787,986
Geothermal					
Hydroelectric	489,802	578,161	849,606	690,754	777,530
Solar			2,686,996	3,037,885	3,899,725
Wind			618,177	597,876	305,249
Other					
Dominion Energy South Carolina Net Generation Production for the data year (MWh)	22,459,240	25,493,722	23,523,302	23,223,220	21,209,072
Coal	17,501,201	17,867,835	8,580,257	6,481,671	4,483,735
Natural Gas	90,882	2,063,550	9,519,949	10,970,384	11,123,466
Nuclear	4,240,198	4,979,600	4,910,880	5,483,003	5,155,266
Petroleum					4,075
Total Renewable Energy Resources	626,959	582,737	512,217	288,162	442,530
Biomass/Biogas	382,880	154,836	150,181		
Geothermal					
Hydroelectric	244,079	427,901	362,036	288,162	442,530
Solar					
Wind					
Other					

Metrics / Environmental

Generation Production

YEAR	2000 Baseline	2005 Baseline	2018	2019	2020
Combined Net Generation Production for the data year (MWh)	93,995,373	134,822,445	124,182,317	118,078,453	121,219,126
Coal	55,274,011	69,475,081	20,882,684	13,659,118	12,203,730
Natural Gas	3,789,553	9,792,423	48,358,209	49,357,309	54,109,684
Nuclear	30,793,099	49,143,692	48,452,215	49,316,348	48,573,338
Petroleum	3,021,949	4,710,344	626,111	123,323	119,354
Total Renewable Energy Resources	1,116,761	1,700,905	5,863,097	5,622,355	6,213,020
Biomass/Biogas	382,880	694,843	1,346,282	1,007,679	787,986
Geothermal					
Hydroelectric	733,881	1,006,062	1,211,642	978,916	1,220,060
Solar			2,686,996	3,037,885	3,899,725
Wind			618,177	597,876	305,249
Other					

Metrics / Environmental

Owned Generation Carbon Emissions (following GHG protocols)

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Virginia and Contracted Assets				
Total Generation (net MWh) (by ownership)	86,968,083	92,317,493	94,835,888	100,010,054
Carbon Dioxide (CO2)				
Total CO2 emissions (MT) (by ownership)	40,213,731	24,419,843	21,892,115	24,356,638
CO2 intensity rate (MT/net MWh) (by ownership)	0.462	0.265	0.231	0.244
Carbon Dioxide Equivalent (CO2e)				
Total CO2e emissions (MT) (by ownership)	40,679,880	24,466,847	21,922,618	24,389,535
CO2e intensity rate (MT/net MWh) (by ownership)	0.468	0.265	0.231	0.244
Dominion Energy South Carolina				
Total Generation (net MWh) (by ownership)	25,493,722	23,523,302	23,223,220	21,209,072
Carbon Dioxide (CO2)				
Total CO2 emissions (MT) (by ownership)	17,227,385	11,612,700	9,857,679	8,554,753
CO2 intensity rate (MT/net MWh) (by ownership)	0.676	0.494	0.424	0.403
Carbon Dioxide Equivalent (CO2e)				
Total CO2e emissions (MT) (by ownership)	17,427,081	11,636,331	9,874,227	8,567,853
CO2e intensity rate (MT/net MWh) (by ownership)	0.684	0.495	0.425	0.404
Dominion Energy Combined				
Total Generation (net MWh) (by ownership)	112,461,805	115,840,795	118,059,108	121,219,126
Carbon Dioxide (CO2)				
Total CO2 emissions (MT) (by ownership)	57,441,116	36,032,543	31,749,794	32,911,391
CO2 intensity rate (MT/net MWh) (by ownership)	0.511	0.311	0.269	0.272
Carbon Dioxide Equivalent (CO2e)				
Total CO2e emissions (MT) (by ownership)	58,106,961	36,103,178	31,796,845	32,957,387
CO2e intensity rate (MT/net MWh) (by ownership)	0.517	0.312	0.269	0.272

Metrics / Environmental

Purchased Power Carbon Emissions

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Virginia				
Total Purchased Generation (Gross MWh)	20,037,242	18,825,992	16,168,363	9,961,288
Carbon Dioxide (CO2)				
Total Purchased Generation CO2 Emissions (MT)	17,153,642	10,374,391	8,180,551	4,291,263
Total Purchased Generation CO2 Emissions Intensity (MT/Gross MWh)	0.856	0.551	0.506	0.431
Carbon Dioxide Equivalent (CO2e)				
Total Purchased Generation CO2e Emissions (MT)	17,187,949	10,395,139	8,196,912	4,299,845
Total Purchased Generation CO2e Emissions Intensity (MT/Gross MWh)	0.858	0.552	0.507	0.432
Dominion Energy South Carolina				
Total Purchased Generation (Gross MWh)	831,683	1,332,503	1,144,067	2,040,239
Carbon Dioxide (CO2)				
Total Purchased Generation CO2 Emissions (MT)	686,768	492,486	63,516	275,743
Total Purchased Generation CO2 Emissions Intensity (MT/Gross MWh)	0.826	0.370	0.056	0.135
Carbon Dioxide Equivalent (CO2e)				
Total Purchased Generation CO2e Emissions (MT)	688,141	493,470	63,643	276,295
Total Purchased Generation CO2e Emissions Intensity (MT/Gross MWh)	0.827	0.370	0.056	0.135
Dominion Energy Combined				
Total Purchased Generation (Gross MWh)	20,868,925	20,158,495	17,312,430	12,001,527
Carbon Dioxide (CO2)				
Total Purchased Generation CO2 Emissions (MT)	17,840,409	10,866,876	8,244,067	4,567,006
Total Purchased Generation CO2 Emissions Intensity (MT/Gross MWh)	0.855	0.539	0.476	0.381
Carbon Dioxide Equivalent (CO2e)				
Total Purchased Generation CO2e Emissions (MT)	17,876,090	10,888,610	8,260,555	4,576,140
Total Purchased Generation CO2e Emissions Intensity (MT/Gross MWh)	0.857	0.540	0.477	0.381

Metrics / Environmental

Owned Generation + Purchased Power Carbon Emissions (following GHG protocol)

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Virginia and Contracted Assets				
Total Owned (net MWh) + Purchased Generation (Gross MWh)	107,005,325	111,143,485	111,004,251	109,971,342
Carbon Dioxide (CO2)				
Total Owned + Purchased Generation CO2 Emissions (MT)	53,440,829	34,794,234	30,072,665	28,647,900
Total Owned + Purchased Generation CO2 Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.462	0.265	0.231	0.244
Carbon Dioxide Equivalent (CO2e)				
Total Owned + Purchased Generation CO2e Emissions (MT)	53,895,770	34,861,986	30,119,530	28,689,380
Total Owned + Purchased Generation CO2e Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.504	0.314	0.271	0.261
Dominion Energy South Carolina				
Total Owned (net MWh) + Purchased Generation (Gross MWh)	26,325,405	24,855,805	24,367,287	23,249,311
Carbon Dioxide (CO2)				
Total Owned + Purchased Generation CO2 Emissions (MT)	17,914,152	12,105,186	9,921,195	8,830,496
Total Owned + Purchased Generation CO2 Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.680	0.487	0.407	0.380
Carbon Dioxide Equivalent (CO2e)				
Total Owned + Purchased Generation CO2e Emissions (MT)	18,115,222	12,129,801	9,937,870	8,844,147
Total Owned + Purchased Generation CO2e Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.688	0.488	0.408	0.380

Metrics / Environmental

Owned Generation + Purchased Power Carbon Emissions (following GHG protocol)

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Combined				
Total Owned (net MWh) + Purchased Generation (Gross MWh)	133,330,730	135,999,290	135,371,538	133,220,653
Carbon Dioxide (CO2)				
Total Owned + Purchased Generation CO2 Emissions (MT)	75,281,525	46,899,419	9,993,860	37,478,396
Total Owned + Purchased Generation CO2 Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.565	0.345	0.295	0.281
Carbon Dioxide Equivalent (CO2e)				
Total Owned + Purchased Generation CO2e Emissions (MT)	75,983,051	46,991,788	40,057,400	37,533,527
Total Owned + Purchased Generation CO2e Emissions Intensity [MT (Owned + Purchased) / Total MWh (Net Owned + Gross Purchased)]	0.570	0.346	0.296	0.282

Non-Generation CO2e Emissions

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Virginia*				
Fugitive CO2e emissions of sulfur hexafluoride (MT)	NA	39,900	38,338	30,974
Leak rate of fugitive CO2e emissions of SF6 (MT CO2e emissions/MT CO2e system capacity**) ***	NA	0.072	0.007	0.005
Dominion Energy South Carolina				
Fugitive CO2e emissions of sulfur hexafluoride (MT)	NA	11,914	10,265	28,037
Leak rate of fugitive CO2e emissions of SF6 (MT/capacity) (MT CO2e emissions/MT CO2e system capacity**) ***	NA		0.012	0.034
Dominion Energy Combined*				
Fugitive CO2e emissions of sulfur hexafluoride (MT)	NA	51,814	48,603	59,011
Leak rate of fugitive CO2e emissions of SF6 (MT/capacity) (MT CO2e emissions/MT CO2e system capacity**) ***	NA		0.007	0.008

*Contracted assets do not have SF6 emissions.

**System Capacity = End-of-year SF6 Nameplate Capacity for the System in MT CO2e.

***Cell intentionally left blank. Value not previously reported and nameplate capacity not readily accessible for DESC.

Metrics / Environmental

Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Virginia and Contracted Assets				
Generation basis for calculation	86,968,083	92,317,493	94,835,888	100,010,054
Nitrogen Oxide (NOx)				
Total NOx Emissions (MT)	64,931	10,433	6,351	6,319
Total NOx Emissions Intensity (MT/Net MWh)	0.0006	0.0001	0.0001	0.0001
Sulfur Dioxide (SO2)				
Total SO2 Emissions (MT)	160,763	7,500	2,992	2,932
Total SO2 Emissions Intensity (MT/Net MWh)	0.002	0.00007	0.00003	0.00003
Mercury (Hg)				
Total Hg Emissions (kg)	615	23	29	16
Total Hg Emissions Intensity (kg/Net MWh)	0.0000057	0.0000002	0.0000003	0.0000001
Dominion Energy South Carolina				
Generation basis for calculation	25,493,722	23,523,302	23,223,220	21,209,072
Nitrogen Oxide (NOx)				
Total NOx Emissions (MT)	24,502	5,289	4,966	3,623
Total NOx Emissions Intensity (MT/Net MWh)	0.0010	0.0002	0.0002	0.0002
Sulfur Dioxide (SO2)				
Total SO2 Emissions (MT)	98,101	2,290	1,658	930
Total SO2 Emissions Intensity (MT/Net MWh)	0.004	0.00010	0.00007	0.00004
Mercury (Hg)				
Total Hg Emissions (kg)	177	10	10	10
Total Hg Emissions Intensity (kg/Net MWh)	0.0000069	0.0000004	0.0000004	0.0000005

Metrics / Environmental

Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)

YEAR	2005 Baseline	2018	2019	2020
Dominion Energy Combined				
Generation basis for calculation	112,461,805	115,840,795	118,059,108	121,219,126
Nitrogen Oxide (NOx)				
Total NOx Emissions (MT)	89,432	15,722	11,318	9,942
Total NOx Emissions Intensity (MT/Net MWh)	0.0008	0.0001	0.0001	0.0001
Sulfur Dioxide (SO2)				
Total SO2 Emissions (MT)	258,864	9,790	4,650	3,862
Total SO2 Emissions Intensity (MT/Net MWh)	0.002	0.00008	0.00004	0.00003
Mercury (Hg)				
Total Hg Emissions (kg)	792	33	39	25
Total Hg Emissions Intensity (kg/Net MWh)	0.0000070	0.0000003	0.0000003	0.0000002

Creating Shareholder Value

Metrics / Environmental

Water

YEAR	2000 Baseline	2005 Baseline	2018	2019	2020
Dominion Energy Virginia					
Water reused/recycled (million liters) (by ownership)			4,194,700	3,139,995	4,284,952
Water reused/recycled (million liters/net MWh) (by ownership)			0.042	0.033	0.043
Fresh water withdrawn (billion liters)			6,885	6,815	7,074
Fresh water consumed (billion liters)			16.7	20	35.37
Water withdrawals - consumptive (billion liters/net MWh)	0.0000006	0.00000007	0.00000017	0.00000021	0.00000035
Water withdrawals - non-consumptive (billion liters/net MWh)	0.000142	0.000133	0.000068	0.000072	0.000071
Dominion Energy South Carolina					
Water reused/recycled (million liters) (by ownership)			5,457,708	5,804,755	5,265,591
Water reused/recycled (million liters/net MWh) (by ownership)			0.232	0.250	0.248
Fresh water withdrawn (billion liters)			1,777	1,807	1,387
Fresh water consumed (billion liters)			16.2	5.3	6.94
Water withdrawals - consumptive (billion liters/net MWh)			0.00000069	0.00000023	0.00000033
Water withdrawals - non-consumptive (billion liters/net MWh)	0.000124		0.000076	0.000078	0.000065
Dominion Energy Combined					
Water reused/recycled (million liters) (by ownership)			9,652,408	8,944,750	9,550,543
Water reused/recycled (million liters/net MWh) (by ownership)			0.078	0.076	0.079
Fresh water withdrawn (billion liters)			8,662	8,622	8,461
Fresh water consumed (billion liters)			32.9	25.3	42.3
Water withdrawals - consumptive (billion liters/net MWh)			0.00000026	0.00000021	0.00000035
Water withdrawals - non-consumptive (billion liters/net MWh)	0.000136		0.0000698	0.000073	0.00007

Metrics / Environmental

Waste

YEAR	2018	2019	2020
Dominion Energy Virginia			
Coal combustion byproducts (tons)*	340,695	399,901	448,584
Gypsum (tons)	97,157	319,516	374,048
Biomass combustion products (tons)	6,564	13,066	14,638
Oils, fluids for reclamation/recovery (tons)	10,481	1,423	1,323
Scrap metals (tons)	18,973	15,431	12,677
Paper, cardboard, plastic, glass (tons)	724	4,543	83
E-waste (tons)	54	4.41	63
Organic recycling/compost (tons)	2.15	34.39	45.31
Dominion Energy South Carolina			
Coal combustion byproducts (tons)*	377,973	387,769	335,456
Gypsum (tons)	48,851	159,401	74,119
Biomass combustion products (tons)	0	0	
Oils, fluids for reclamation/recovery (tons)	861	564	630
Scrap metals (tons)	3,415	4,911	5,320
Paper, cardboard, plastic, glass (tons)	493	614	0.37
E-waste (tons)	16.25	41.9	0.17
Organic recycling/compost (tons)	0	0	1.93
Dominion Energy Combined			
Coal combustion byproducts (tons)*	718,668	787,670	784,040
Gypsum (tons)	146,008	478,917	448,167
Biomass combustion products (tons)	6,564	13,066	14,638
Oils, fluids for reclamation/recovery (tons)	11,342	1,987	1,953
Scrap metals (tons)	22,388	20,342	17,997
Paper, cardboard, plastic, glass (tons)	1,217	5,157	83.72
E-waste (tons)	70.25	46.31	62.99
Organic recycling/compost (tons)	2.15	34.39	47.24

*The amount of CCB material recycled includes material from newly generated CCB, reuse of deposited material, and material from storage unit closures.

Metrics / Environmental

Other

YEAR	2018	2019	2020
Dominion Energy Virginia			
Coal ash produced / reused (million tons) (by ownership)	2.21/0.34	1.2/0.08	1.01/0.07
Coal combustion byproducts produced / reused (million tons) (by ownership)	2.31/0.44	1.62/0.4	1.39/0.45
Percent of coal combustion byproducts reused / recycled (by ownership)***	19%	25%	32%
Hazardous waste produced (million lbs) (by ownership)	3.72	11.1	5.09
Notices of violation (NOVs)*	18	19	12
Environmental penalties paid	\$485,111	\$168,200	\$1,477,737
Dominion Energy South Carolina			
Coal ash produced / reused (million tons) (by ownership)	0.43/0.33	0.29/0.23	0.18/0.26
Coal combustion byproducts produced / reused (million tons) (by ownership)	0.61/0.38	0.4/0.39	0.26/0.34
Percent of coal combustion byproducts reused / recycled (by ownership)***	62%	98%	127%
Hazardous waste produced (million lbs) (by ownership)	0.016	0.005	0.01
Notices of violation (NOVs)*	0	1	1
Environmental penalties paid	\$0	\$10,000	\$0
Dominion Energy Combined			
Coal ash produced / reused (million tons) (by ownership)	2.6/0.6	1.5/0.3	1.2/0.34
Coal combustion byproducts produced / reused (million tons) (by ownership)	2.9/0.78	2.01/0.79	1.65/0.78
Percent of coal combustion byproducts reused / recycled (by ownership)***	27%	39%	47%
Hazardous waste produced (million lbs) (by ownership)	3.74	11.1	5.09
Notices of violation (NOVs)*	18	20	13
Environmental penalties paid	\$485,111	\$178,200	\$1,477,737

*BHE Phase 1 excluded as of 11/1/2020.

**\$1,400,000 of the total penalties paid in 2020 was the EPA Consent Decree for legacy events from 2013-2018.

***The amount of CCB material recycled includes material from newly generated CCB, reuse of deposited material, and material from storage unit closures.