

part 5

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Appendix 4N: Base Case Price Forecast (Nominal \$)

Year	Fuel Price				Power and REC Prices				RTO Capacity Prices		Emission Prices				
	Henry Hub Natural Gas (\$/MMBtu)	Zone 5 Delivered Natural Gas (\$/MMBtu)	CAPP CSX: 12,500 1%GS FOB (\$/ton)	No. 2 Oil (\$/MMBtu)	1% No.6 Oil (\$/MMBtu)	PJM-DOM On-Peak (\$/MWh)	PJM-DOM Off-Peak (\$/MWh)	PJM Tier 1 REC Prices (\$/MWh)	(\$/kW-yr)	(\$/MW- day)*		CSAPR	CSAPR	Federal CO ₂ Price (\$/Ton)	RGGI CO ₂ (\$/Ton)
											SO ₂ (\$/Tonn)	Ozone NO _x (\$/Ton)	Annual NO _x (\$/Ton)		
2023	2.70	3.44	96.00	19.44	11.25	51.90	39.35	28.70	14.20	38.89	2.45	16,345.47	2.04	-	13.27
2024	3.41	4.96	100.35	18.52	11.05	54.98	44.28	27.42	16.00	43.85	2.53	16,588.87	2.13	-	-
2025	4.13	4.71	105.32	17.90	11.71	57.08	44.82	25.54	22.30	61.10	2.93	9,997.19	2.74	-	-
2026	4.15	3.65	95.69	17.96	12.15	52.96	42.65	26.00	28.68	78.57	3.29	3,955.39	3.28	-	-
2027	4.05	3.44	86.41	18.30	12.37	47.50	39.85	23.92	35.31	96.73	3.36	3,024.10	3.36	-	-
2028	3.96	3.36	78.03	18.66	12.61	43.01	37.38	20.38	42.20	115.61	3.43	2,055.99	3.43	-	-
2029	3.86	3.21	70.64	19.03	12.86	38.45	34.33	17.58	49.37	135.25	3.50	1,048.75	3.50	-	-
2030	3.76	3.27	65.03	19.39	13.10	36.01	33.32	14.02	56.76	155.51	3.56	3.56	3.56	-	-
2031	3.96	3.43	65.84	19.75	13.35	37.18	34.72	13.27	62.45	171.09	3.63	3.63	3.63	-	-
2032	4.17	3.61	67.49	20.11	13.59	38.50	36.20	12.52	66.88	183.23	3.70	3.70	3.70	-	-
2033	4.38	3.83	69.35	20.48	13.84	40.23	38.07	11.76	71.45	195.76	3.77	3.77	3.77	-	-
2034	4.60	4.06	71.19	20.87	14.10	41.91	39.98	11.00	76.20	208.77	3.84	3.84	3.84	-	-
2035	4.82	4.31	73.07	21.27	14.37	43.92	42.06	10.25	81.15	222.32	3.92	3.92	3.92	-	-
2036	4.83	4.33	74.77	21.68	14.65	45.46	44.79	9.25	86.22	236.23	3.99	3.99	3.99	3.18	-
2037	4.84	4.31	76.49	22.11	14.94	46.65	47.28	8.19	91.44	250.53	4.07	4.07	4.07	6.49	-
2038	4.85	4.32	78.37	22.56	15.24	48.02	49.94	7.01	96.86	265.37	4.16	4.16	4.16	9.93	-

Note:

- 1) The 2023 - 2025 prices are a blend of futures/forwards and forecast prices for all commodities except capacity. 2026 and beyond are forecast prices.
 - 2) Capacity prices reflect PJM RPM auction clearing prices through delivery year 2023/2024, forecast thereafter.
 - 3) CO2 prices reflect RGGI Market Price for 2023 and the federal carbon price forecast 2036 and beyond.
 - 4) CSAPR SO₂ and nationwide SO₂ prices are used as the SO₂ market price.
- *RTO Capacity prices are restated in the units used by the PJM Capacity market.

Appendix 4N: Commodity Price Forecast, Natural Gas

Year	Henry Hub Natural Gas (\$/MMBtu)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	2.70	2.70	2.70	2.70
2024	3.41	3.41	3.44	3.37
2025	4.13	4.13	4.38	3.37
2026	4.15	4.15	4.95	3.06
2027	4.05	4.05	5.26	3.15
2028	3.96	3.96	5.58	3.27
2029	3.86	3.86	5.92	3.40
2030	3.76	3.76	6.26	3.53
2031	3.96	3.96	6.56	3.62
2032	4.17	4.17	6.86	3.70
2033	4.38	4.38	7.17	3.79
2034	4.60	4.60	7.50	3.88
2035	4.82	4.82	7.84	3.98
2036	4.83	4.83	8.15	4.03
2037	4.84	4.84	8.46	4.08
2038	4.85	4.85	8.79	4.14

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, Natural Gas

Year	Zone 5 Delivered Natural Gas (\$/MMBtu)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	3.44	3.44	3.44	3.44
2024	4.96	4.96	5.00	4.93
2025	4.71	4.71	4.96	3.95
2026	3.65	3.65	4.46	2.56
2027	3.44	3.44	4.66	2.55
2028	3.36	3.36	4.99	2.67
2029	3.21	3.21	5.26	2.74
2030	3.27	3.27	5.77	3.04
2031	3.43	3.43	6.03	3.09
2032	3.61	3.61	6.31	3.15
2033	3.83	3.83	6.62	3.24
2034	4.06	4.06	6.96	3.35
2035	4.31	4.31	7.32	3.47
2036	4.33	4.33	7.64	3.53
2037	4.31	4.31	7.93	3.55
2038	4.32	4.33	8.27	3.61

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, Coal (FOB)

Year	CAPP CSX: 12,500 1%S FOB (\$/ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	96.00	96.00	96.00	96.00
2024	100.35	100.35	100.35	100.35
2025	105.32	105.32	105.33	105.32
2026	95.69	95.69	95.76	95.69
2027	86.41	86.41	86.55	86.41
2028	78.03	78.03	78.35	78.03
2029	70.64	70.64	70.93	70.64
2030	65.03	65.03	65.45	65.03
2031	65.84	65.84	66.25	65.84
2032	67.49	67.49	67.97	67.49
2033	69.35	69.35	69.75	69.35
2034	71.19	71.19	71.66	71.19
2035	73.07	73.07	73.44	73.07
2036	74.77	74.77	75.12	74.77
2037	76.49	76.49	76.94	76.49
2038	78.37	78.37	78.69	78.37

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, Oil

Year	No. 2 Oil (\$/MMBtu)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	19.44	19.44	19.44	19.44
2024	18.52	18.52	18.56	18.48
2025	17.90	17.90	18.61	17.32
2026	17.96	17.96	19.37	16.73
2027	18.30	18.30	19.89	16.70
2028	18.66	18.66	20.31	16.73
2029	19.03	19.03	21.82	17.11
2030	19.39	19.39	22.39	17.20
2031	19.75	19.75	22.89	17.34
2032	20.11	20.11	23.49	17.93
2033	20.48	20.48	24.05	18.33
2034	20.87	20.87	24.61	18.63
2035	21.27	21.27	24.99	18.93
2036	21.68	21.68	25.47	19.21
2037	22.11	22.11	25.88	19.61
2038	22.56	22.56	26.27	20.00

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, Oil

Year	1% No. 6 Oil (\$/MMBtu)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	11.25	11.25	11.25	11.25
2024	11.05	11.05	11.08	11.03
2025	11.71	11.71	12.25	11.26
2026	12.15	12.15	13.23	11.20
2027	12.37	12.37	13.59	11.14
2028	12.61	12.61	13.87	11.13
2029	12.86	12.86	15.00	11.39
2030	13.10	13.10	15.41	11.42
2031	13.35	13.35	15.75	11.50
2032	13.59	13.59	16.18	11.91
2033	13.84	13.84	16.57	12.19
2034	14.10	14.10	16.97	12.38
2035	14.37	14.37	17.22	12.58
2036	14.65	14.65	17.55	12.75
2037	14.94	14.94	17.83	13.02
2038	15.24	15.24	18.08	13.28

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, On-Peak Power Price

Year	PJM-DOM On-Peak (\$/MWh)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	51.90	51.90	51.90	51.90
2024	54.98	55.01	55.44	54.65
2025	57.08	57.88	60.13	48.05
2026	52.96	54.00	61.30	41.49
2027	47.50	48.27	59.05	39.58
2028	43.01	43.57	57.39	37.71
2029	38.45	38.81	55.10	35.14
2030	36.01	36.19	53.83	34.63
2031	37.18	37.38	55.82	34.98
2032	38.50	38.73	57.97	35.47
2033	40.23	40.50	60.56	36.38
2034	41.91	42.22	63.13	37.27
2035	43.92	44.26	66.08	38.48
2036	45.46	45.74	69.35	40.40
2037	46.65	46.86	72.41	42.01
2038	48.02	48.17	75.59	43.87

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, Off-Peak Power Price

Year	PJM-DOM Off-Peak (\$/MWh)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	39.35	39.35	39.35	39.35
2024	44.28	44.29	44.66	44.01
2025	44.82	45.18	47.46	37.40
2026	42.65	43.12	49.68	32.65
2027	39.85	40.22	49.71	32.42
2028	37.38	37.66	49.91	32.11
2029	34.33	34.50	49.21	30.96
2030	33.32	33.42	49.94	31.92
2031	34.72	34.84	52.09	32.58
2032	36.20	36.35	54.32	33.31
2033	38.07	38.29	56.99	34.45
2034	39.98	40.23	59.71	35.60
2035	42.06	42.36	62.61	36.93
2036	44.79	45.03	66.93	40.05
2037	47.28	47.46	71.28	42.99
2038	49.94	50.07	75.81	46.19

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, PJM Tier 1 Renewable Energy Certificates

Year	PJM Tier 1 REC Prices (\$/MWh)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	28.70	28.70	28.70	28.70
2024	27.42	27.42	27.42	27.42
2025	25.54	25.54	25.54	25.54
2026	26.00	25.82	12.06	30.59
2027	23.92	23.82	8.81	28.16
2028	20.38	20.32	4.61	24.44
2029	17.58	17.57	3.53	21.74
2030	14.02	14.02	3.60	18.55
2031	13.27	13.27	3.67	18.34
2032	12.52	12.52	3.74	18.14
2033	11.76	11.76	3.81	17.94
2034	11.00	11.00	3.88	17.77
2035	10.25	10.25	3.95	17.62
2036	9.25	9.26	4.03	16.84
2037	8.19	8.19	4.11	16.02
2038	7.01	7.01	4.20	15.18

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, VA REC

Year	VA REC Prices (\$/MWh)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	24.52	24.52	24.52	24.52
2024	24.54	24.54	24.54	24.54
2025	47.45	47.45	47.45	47.45
2026	26.03	25.85	11.90	30.69
2027	23.92	23.82	8.81	28.16
2028	20.38	20.32	4.61	24.44
2029	17.58	17.57	3.53	21.74
2030	14.02	14.02	3.60	18.55
2031	13.27	13.27	3.67	18.34
2032	12.52	12.52	3.74	18.14
2033	11.76	11.76	3.81	17.94
2034	11.00	11.00	3.88	17.77
2035	10.25	10.25	3.95	17.62
2036	9.25	9.26	4.03	16.91
2037	8.19	8.19	4.11	16.14
2038	7.01	7.01	4.20	15.35

Note: Reflects the ICF forecast price for the entire period rather than blending the ICF forecast with market prices.

Appendix 4N: Commodity Price Forecast, PJM RTO Capacity

Year	PJM RTO Capacity Prices (\$/kW-yr)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	14.20	14.20	14.20	14.20
2024	16.00	16.00	15.37	15.99
2025	22.30	22.30	20.55	22.27
2026	28.68	28.67	25.77	28.62
2027	35.31	35.30	31.19	35.22
2028	42.20	42.19	36.83	42.08
2029	49.37	49.35	42.70	49.22
2030	56.76	56.75	48.74	56.59
2031	62.45	62.41	54.09	62.67
2032	66.88	66.79	58.94	67.82
2033	71.45	71.31	63.95	73.15
2034	76.20	76.01	69.15	78.67
2035	81.15	80.90	74.56	84.42
2036	86.22	86.00	79.86	89.18
2037	91.44	91.28	85.11	93.23
2038	96.86	96.76	90.57	97.43

Note: PJM RPM auction clearing price through delivery year 2023/24, forecast thereafter.

Appendix 4N: Commodity Price Forecast, PJM RTO Capacity

Year	RTO Capacity Prices (\$/MW-day)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	38.89	38.89	38.89	38.89
2024	43.85	43.84	42.11	43.81
2025	61.10	61.10	56.31	61.00
2026	78.57	78.55	70.60	78.40
2027	96.73	96.71	85.45	96.49
2028	115.61	115.58	100.90	115.29
2029	135.25	135.22	116.97	134.86
2030	155.51	155.47	133.55	155.04
2031	171.09	170.98	148.19	171.71
2032	183.23	182.98	161.47	185.82
2033	195.76	195.38	175.19	200.40
2034	208.77	208.25	189.44	215.54
2035	222.32	221.66	204.27	231.30
2036	236.23	235.60	218.79	244.34
2037	250.53	250.08	233.19	255.43
2038	265.37	265.10	248.14	266.92

Note:

- 1) RTO capacity prices are restated in the units used by the PJM capacity market.
- 2) PJM RPM auction clearing price through delivery year 2023/24, forecast thereafter.

Appendix 4N: Commodity Price Forecast, SO₂ Emission Allowances

Year	SO ₂ (\$/Ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	2.45	2.45	2.45	2.45
2024	2.53	2.53	2.53	2.53
2025	2.93	2.93	2.93	2.93
2026	3.29	3.29	3.29	3.29
2027	3.36	3.36	3.36	3.36
2028	3.43	3.43	3.43	3.43
2029	3.50	3.50	3.50	3.50
2030	3.56	3.56	3.56	3.56
2031	3.63	3.63	3.63	3.63
2032	3.70	3.70	3.70	3.70
2033	3.77	3.77	3.77	3.77
2034	3.84	3.84	3.84	3.84
2035	3.92	3.92	3.92	3.92
2036	3.99	3.99	3.99	3.99
2037	4.07	4.07	4.07	4.07
2038	4.16	4.16	4.16	4.16

Note:

- 1) CSAPR SO₂ and nationwide SO₂ prices are used as the SO₂ market price.
- 2) The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, NOx Emission Allowances

Year	CSAPR Ozone NOx (\$/Ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	16,345.47	16,345.47	16345.47	16,345.47
2024	16,588.87	16,588.87	16600.51	16,571.94
2025	9,997.19	9,997.19	11181.59	7,815.38
2026	3,955.39	3,955.39	5603.47	878.98
2027	3,024.10	3,024.10	4368.15	672.02
2028	2,055.99	2,055.99	2969.77	456.89
2029	1,048.75	1,048.75	1514.86	233.05
2030	3.56	3.56	1187.86	3.56
2031	3.63	3.63	968.43	3.63
2032	3.70	3.70	739.88	3.70
2033	3.77	3.77	502.47	3.77
2034	3.84	3.84	256.02	3.84
2035	3.92	3.92	3.92	3.92
2036	3.99	3.99	3.99	3.99
2037	4.07	4.07	4.07	4.07
2038	4.16	4.16	4.16	4.16

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, NOx Emission Allowances

Year	CSAPR Annual NOx (\$/Ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	2.04	2.04	2.04	2.04
2024	2.13	2.13	2.13	2.13
2025	2.74	2.74	2.74	2.74
2026	3.28	3.28	3.28	3.28
2027	3.36	3.36	3.36	3.36
2028	3.43	3.43	3.43	3.43
2029	3.50	3.50	3.50	3.50
2030	3.56	3.56	3.56	3.56
2031	3.63	3.63	3.63	3.63
2032	3.70	3.70	3.70	3.70
2033	3.77	3.77	3.77	3.77
2034	3.84	3.84	3.84	3.84
2035	3.92	3.92	3.92	3.92
2036	3.99	3.99	3.99	3.99
2037	4.07	4.07	4.07	4.07
2038	4.16	4.16	4.16	4.16

Note: The 2023 - 2025 prices are a blend of futures/forwards and forecast prices. 2026 and beyond are forecast prices.

Appendix 4N: Commodity Price Forecast, CO₂

Year	Federal CO ₂ (\$/Ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	-	-	-	-
2024	-	-	-	-
2025	-	-	-	-
2026	-	-	-	-
2027	-	-	-	-
2028	-	-	-	-
2029	-	-	-	-
2030	-	-	-	-
2031	-	-	-	-
2032	-	-	-	-
2033	-	-	-	-
2034	-	-	-	-
2035	-	-	-	-
2036	3.18	3.18	3.18	3.18
2037	6.49	6.49	6.49	6.49
2038	9.93	9.93	9.93	9.93

Note: CO₂ prices reflect RGGI Market Price for 2023 and the federal carbon price forecast 2036 and beyo

Appendix 4N: Commodity Price Forecast, CO₂

Year	RGGI CO ₂ (\$/Ton)			
	Base Case Commodity Forecast	VA in RGGI Commodity Forecast	High Fuel Price Commodity Forecast	Low Fuel Price Case Commodity Forecast
2023	13.27	13.27	13.27	13.27
2024	-	13.67	-	-
2025	-	9.45	-	-
2026	-	5.05	-	-
2027	-	4.70	-	-
2028	-	4.51	-	-
2029	-	4.32	-	-
2030	-	4.13	-	-
2031	-	4.29	-	-
2032	-	4.43	-	-
2033	-	4.59	-	-
2034	-	4.75	-	-
2035	-	4.92	-	-
2036	-	3.42	-	-
2037	-	-	-	-
2038	-	-	-	-

Note:

- 1) ICF assumes a charge on CO₂ from the U.S. power sector during 2036, and it is assumed that RGGI states and CA transition from their respective programs to the national program once the national prices are higher.
- 2) RGGI price forecasts assume Virginia exits RGGI before January 1, 2024, except for the VA in RGGI commodity forecast, which assumes that Virginia remains in RGGI.

Appendix 40 – Delivered Fuel Data (Plan B Specific)

Schedule 18

Virginia Electric and Power Company

Company Name:
FUEL DATA

	(ACTUAL)					(PROJECTED)														
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
I. Delivered Fuel Price (\$/mmBtu) ⁽¹⁾																				
a. Nuclear	0.59	0.58	0.58	0.56	0.56	0.57	0.58	0.59	0.58	0.58	0.58	0.58	0.64	0.67	0.70	0.74	0.78	0.81	0.86	
b. Biomass	3.05	3.75	3.95	3.40	3.46	3.52	3.60	3.67	3.74	3.81	3.89	3.96	3.98	4.03	4.05	4.06	4.14	4.23	4.32	
c. Coal	2.70	2.46	3.04	4.30	4.30	4.33	4.04	3.78	3.55	3.32	3.15	3.18	3.24	3.31	3.40	3.48	3.57	3.65	3.74	
d. Heavy Fuel Oil	7.11	14.23	-	12.65	12.37	13.05	13.51	13.76	14.03	14.31	14.58	14.85	15.12	15.51	15.91	16.34	16.72	17.13	17.55	
e. Light Fuel Oil ⁽²⁾	14.15	14.25	18.31	20.90	19.25	18.64	18.72	19.08	19.44	19.83	20.21	20.58	20.96	21.34	21.74	22.16	22.59	23.04	23.50	
f. Natural Gas	2.58	4.04	7.15	4.23	4.38	4.48	3.69	3.47	3.39	3.23	3.30	3.47	3.64	3.83	4.03	4.22	4.22	4.24	4.25	
II. Primary Fuel Expenses (cents/kWh) ⁽³⁾																				
a. Nuclear	0.60	0.60	0.58	0.58	0.58	0.59	0.61	0.61	0.60	0.58	0.58	0.60	0.66	0.70	0.73	0.77	0.81	0.85	0.89	
b. Biomass	4.34	2.74	3.68	4.02	4.03	3.98	4.07	4.18	4.25	4.32	4.39	4.45	4.44	4.56	4.65	4.65	4.75	4.85	4.95	
c. Coal	3.38	5.38	2.89	0.10	4.18	4.22	3.93	3.72	3.51	3.26	3.07	3.10	3.15	3.22	3.31	3.39	3.47	3.55	3.64	
d. Heavy Fuel Oil	5.70	15.81	5.01	11.98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
e. Light Fuel Oil ⁽²⁾	18.41	2.91	14.87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
f. Natural Gas	1.87	5.81	7.30	2.91	2.90	3.01	2.82	2.69	2.84	2.52	2.55	2.70	2.82	2.87	3.11	3.25	3.26	3.26	3.28	
g. PPA ⁽⁴⁾	4.37	4.71	5.73	6.83	6.78	6.79	6.76	6.72	6.69	6.77	6.88	7.03	7.18	7.33	7.48	7.65	7.81	7.99	8.15	
i. Economy Energy Purchases ⁽⁵⁾	2.82	5.13	8.64	3.83	3.80	3.84	3.85	3.07	2.94	2.96	3.00	3.10	3.30	3.41	3.56	3.84	4.10	4.35	4.61	
j. Capacity Purchases (\$/kW-Year)	31.49	41.52	31.84	14.20	11.35	18.83	28.68	35.31	42.20	49.37	56.76	62.45	66.88	71.45	76.20	81.15	83.22	91.44	96.86	

(1) Delivered fuel price for NAPP (12,500, 3.2% FOB), No. 2 Oil, No. 6 Oil and DOM Zone Delivered Natural Gas are used to represent Coal, Heavy Fuel, Light Fuel Oil, and Natural Gas respectively.

(2) Light fuel oil is used for reliability only at dual-fuel facilities.

(3) Primary Fuel Expenses for Nuclear, Biomass, Coal, Heavy Fuel Oil, and Natural Gas are based on North Anna 1, Altavista, Mount Storm 1, Yorktown 3, and Potomac Point 6, respectively.

(4) Average of PPA fuel expenses.

(5) Average cost of market energy purchases.

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Appendix 5A – Existing Generation Units in Service

Virginia Electric
and Power
Company

Company Name:

Schedule 14a

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (MW)

Unit Name ⁽¹⁾	Location	Unit Class	Primary Fuel Type	C.O.D. ⁽³⁾	MW Summer
Altavista	VA	Baseload	Biomass	1992	51
Bath County 1	VA	Intermediate	Pumped Storage	1985	301
Bath County 2	VA	Intermediate	Pumped Storage	1985	301
Bath County 3	VA	Intermediate	Pumped Storage	1985	301
Bath County 4	VA	Intermediate	Pumped Storage	1985	301
Bath County 5	VA	Intermediate	Pumped Storage	1985	301
Bath County 6	VA	Intermediate	Pumped Storage	1985	301
Bear Garden	VA	Baseload/Intermediate	Natural Gas	2011	622
Brunswick	VA	Baseload/Intermediate	Natural Gas	2016	1,401
Chesapeake CT 1, 4, 6	VA	Peak	Light Oil	1967	39
Chesterfield 5 ⁽²⁾	VA	Baseload	Coal	1964	337
Chesterfield 6 ⁽²⁾	VA	Baseload	Coal	1969	678
Chesterfield 7	VA	Intermediate	Natural Gas	1990	191
Chesterfield 8	VA	Intermediate	Natural Gas	1992	195
Clover 1	VA	Intermediate	Coal	1995	220
Clover 2	VA	Intermediate	Coal	1996	219
Colonial Trail West	VA	Intermittent	Solar	2019	37
CVOW (Demonstration)	VA	Intermittent	Wind	2020	3
Darbytown 1	VA	Peak	Natural Gas	1990	85
Darbytown 2	VA	Peak	Natural Gas	1990	85
Darbytown 3	VA	Peak	Natural Gas	1990	85
Darbytown 4	VA	Peak	Natural Gas	1990	85
Elizabeth River 1	VA	Peak	Natural Gas	1992	109
Elizabeth River 2	VA	Peak	Natural Gas	1992	107
Elizabeth River 3	VA	Peak	Natural Gas	1992	109
Gaston Hydro	NC	Intermittent	Hydro	1963	220
South Anna 1	VA	Intermediate	Natural Gas	1994	104
South Anna 1	VA	Intermediate	Natural Gas	1994	104
Grassfield Solar	VA	Intermittent	Solar	2022	7
Gravel Neck 1-2	VA	Peak	Light Oil	1970	28
Gravel Neck 3	VA	Peak	Natural Gas	1989	85
Gravel Neck 4	VA	Peak	Natural Gas	1989	85
Gravel Neck 5	VA	Peak	Natural Gas	1989	85
Gravel Neck 6	VA	Peak	Natural Gas	1989	85
Greensville	VA	Baseload/Intermediate	Natural Gas	2018	1,588
Hopewell	VA	Baseload	Biomass	1989	51
Ladysmith 1	VA	Peak	Natural Gas	2001	151
Ladysmith 2	VA	Peak	Natural Gas	2001	151

Appendix 5A – Existing Generation Units in Service

Virginia Electric
and Power
Company

Company Name:

Schedule 14a

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (MW)

Unit Name ⁽¹⁾	Location	Unit Class	Primary Fuel Type	C.O.D. ⁽³⁾	MW Summer
Ladysmith 3	VA	Peak	Natural Gas	2008	160
Ladysmith 4	VA	Peak	Natural Gas	2008	160
Ladysmith 5	VA	Peak	Natural Gas	2009	161
Lowmoor CT 1-4	VA	Peak	Light Oil	1971	48
Mount Storm 1	WV	Baseload	Coal	1965	544
Mount Storm 2	WV	Baseload	Coal	1966	553
Mount Storm 3	WV	Baseload	Coal	1973	520
Mount Storm CT	WV	Peak	Light Oil	1967	11
North Anna 1	VA	Baseload	Nuclear	1978	838
North Anna 2	VA	Baseload	Nuclear	1980	835
North Anna Hydro	VA	Intermittent	Hydro	1987	1
Northern Neck CT 1-4	VA	Peak	Natural Gas	1971	47
Possum Point 6	VA	Baseload/Intermediate	Natural Gas	2003	573
Possum Point CT 1-6	VA	Peak	Light Oil	1968	72
Water Strider PPA	VA	Intermittent	Solar	1969	29
Westmoreland PPA	VA	Intermittent	Solar	1970	7
Remington 1	VA	Peak	Natural Gas	2000	150
Remington 2	VA	Peak	Natural Gas	2000	151
Remington 3	VA	Peak	Natural Gas	2000	152
Remington 4	VA	Peak	Natural Gas	2000	151
Roanoke Rapids Hydro	NC	Intermittent	Hydro	1955	95
Rosemary	NC	Peak	Natural Gas	1990	155
Sadler Solar	VA	Intermittent	Solar	2021	27
Scott Solar	VA	Intermittent	Solar	2016	5
Solar Partnership Program	VA	Intermittent	Solar	2012	2
Southampton	VA	Baseload	Biomass	1992	51
Spring Grove	VA	Intermittent	Solar	2020	26
Surry 1	VA	Baseload	Nuclear	1972	838
Surry 2	VA	Baseload	Nuclear	1973	838
Sycamore Solar	VA	Intermittent	Solar	2023	14
Virginia City Hybrid Energy Center	VA	Baseload/Intermediate	Coal	2012	610
Warren	VA	Baseload/Intermediate	Natural Gas	2014	1,381
Whitehouse Solar	VA	Intermittent	Solar	2016	5
Woodland Solar	VA	Intermittent	Solar	2016	5
Yorktown 3 ⁽²⁾	VA	Peak	Heavy Oil	1974	767
Norge Solar	VA	Intermittent	Solar	2023	7
Chesapeake PPA	VA	Intermittent	Solar	2024	41
Pleasant Hill PPA	VA	Intermittent	Solar	2023	7

Appendix 5A – Existing Generation Units in Service

Virginia Electric
and Power
Company

Company Name:

Schedule 14a

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (MW)

Unit Name ⁽¹⁾	Location	Unit Class	Primary Fuel Type	C.O.D. ⁽³⁾	MW Summer
Rivanna PPA	VA	Intermittent	Solar	2024	4
Watlington PPA	VA	Intermittent	Solar	2023	7
Wythe 2 PPA	VA	Intermittent	Solar	2024	26
Black Bear Distributed	VA	Intermittent	Solar	2024	0
Clean Energy 2 DER 2	VA	Intermittent	Solar	2023	4
Clean Energy 2 DER 3	VA	Intermittent	Solar	2023	2
Springfield Distributed	VA	Intermittent	Solar	2024	1
Cox PPA	VA	Intermittent	Solar	2024	4
Sinai PPA	VA	Intermittent	Solar	2024	3
Stratford PPA	VA	Intermittent	Solar	2023	4
Camellia Solar	VA	Intermittent	Solar	2024	5
Fountain Creek Solar	VA	Intermittent	Solar	2024	21
Otter Creek Solar	VA	Intermittent	Solar	2024	16
Piney Creek Base Solar	VA	Intermittent	Solar	2024	21
Quillwort Solar	VA	Intermittent	Solar	2024	5
Sebera Solar	VA	Intermittent	Solar	2024	5
Solidago Solar	VA	Intermittent	Solar	2023	5
Walnut Solar	VA	Intermittent	Solar	2023	40
Winterberry Solar	VA	Intermittent	Solar	2023	5
Winterpock Solar	VA	Intermittent	Solar	2024	5
Clean Energy 3 DER 1	VA	Intermittent	Solar	2024	1
Clean Energy 3 DER 2	VA	Intermittent	Solar	2024	3
Cox Storage	VA	Peak	Grid	2024	7
Sinai Storage	VA	Peak	Grid	2024	4
Dry Bridge Storage	VA	Peak	Grid	2023	18
Subtotal - Base					6,133
Subtotal - Baseload/Intermediate					6,175
Subtotal - Intermediate					2,840
Subtotal - Peak					3,587
Subtotal - Intermittent					724
Total					19,459

Note: Summer MW's for solar generation (renewables) represents firm capacity.

(1) Existing generators as of 2024

(2) Chesterfield 5 & 6 and Yorktown 3 are due to be retired by the end of 2023.

(3) Commercial operation date

Appendix 5B - Other Generation Units

Company Name:

Virginia Electric and Power Company

Schedule 14b

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (kW)

Unit Name	Location	Primary Fuel Type	kW Summer	Contract Start	Contract Expiration
Purchase Power Agreement (PPA) Units⁽¹⁾					
Alexandria/Arlington - Covanta	VA	Municipal Solid Waste	21,000	1/29/1988	1/28/2023
Brasfield Dam	VA	Hydro	2,800	10/12/1993	Auto renew
Suffolk Landfill	VA	Methane	3,280	8/1/2020	3/31/2022
Columbia Mills	VA	Hydro	343	2/7/1985	Auto renew
Lakeview (Swift Creek) Dam	VA	Hydro	400	11/26/2008	Auto renew
MeadWestvaco (formerly Westvaco)	VA	Coal/Biomass	140,000	11/3/1982	8/25/2028
Banister Dam	VA	Hydro	1,785	9/28/2008	Auto renew
Weyerhaeuser/Domtar	NC	Coal/biomass	9000(2)	7/27/1991	Auto renew
Smurfit-Stone Container	VA	Coal/biomass	3500(3)	3/21/1981	Auto renew
Burnshire Dam	VA	Hydro	100	7/11/2016	Auto renew
Cushaw Hydro	VA	Hydro	2,000	11/21/2018	11/20/2033
Essex Solar Center	VA	Solar	20,000	12/14/2017	12/13/2037
Rives Road Solar	VA	Solar	19,700	5/15/2020	5/14/2033
Pamplin Solar	VA	Solar	15,700	7/13/2020	7/12/2033
Hickory Solar	VA	Solar	32,000	9/8/2020	9/7/2033
Mt Jackson I Solar	VA	Solar	15,650	6/14/2021	6/13/2034
Hollyfield II Solar	VA	Solar	13,000	7/22/2021	7/21/2034
Buckingham II Solar	VA	Solar	20,000	7/28/2021	7/27/2034
Water Strider Solar	VA	Solar	80,000	5/15/2021	5/14/2041
Westmoreland County Solar	VA	Solar	20,000	10/22/2021	10/21/2041
Tredegar Solar	VA	Solar	480	11/18/2022	11/17/2032
Nokesville Solar	VA	Solar	20,000	11/22/2022	11/21/2035
Rappahannock Solar	VA	Solar	1,500	11/24/2021	11/23/2036
W. E. Partners II	NC	Biomass	300	3/15/2012	Auto renew
Plymouth Solar	NC	Solar	5,000	10/4/2012	10/3/2027
W. E. Partners 1	NC	Biomass	100	4/26/2013	Auto renew
Dogwood Solar	NC	Solar	20,000	12/9/2014	12/8/2029
HXOap Solar	NC	Solar	20,000	12/16/2014	12/15/2029
Bethel Price Solar	NC	Solar	5,000	12/9/2014	12/8/2029
Jakana Solar	NC	Solar	5,000	12/4/2014	12/3/2029
Lewiston Solar	NC	Solar	5,000	12/18/2014	12/17/2029
Williamston Solar	NC	Solar	5,000	12/4/2014	12/3/2029
Windsor Solar	NC	Solar	5,000	12/17/2014	12/16/2029
510 REPP One Solar	NC	Solar	1,250	3/11/2015	3/10/2030
Everetts Wildcat Solar	NC	Solar	5,000	3/11/2015	3/10/2030
SoINC5 Solar	NC	Solar	5,000	5/12/2015	5/11/2030
Creswell Aligood Solar	NC	Solar	14,000	5/13/2015	5/12/2030
Two Mile Desert Road - SoINC1	NC	Solar	5,000	8/10/2015	8/9/2030
SoINCPower6 Solar	NC	Solar	5,000	11/1/2015	10/31/2030
Downs Farm Solar	NC	Solar	5,000	12/1/2015	11/30/2030
GKS Solar- SoINC2	NC	Solar	5,000	12/16/2015	12/15/2030
Windsor Cooper Hill Solar	NC	Solar	5,000	12/18/2015	12/17/2030

Appendix 5B - Other Generation Units

Company Name:

Virginia Electric and Power Company

Schedule 14b

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (kW)

Unit Name	Location	Primary Fuel Type	kW Summer	Contract Start	Contract Expiration
Purchase Power Agreement (PPA) Units⁽¹⁾					
Green Farm Solar	NC	Solar	5,000	1/6/2016	1/5/2031
FAE X - Shawboro	NC	Solar	20,000	1/26/2016	1/25/2031
FAE XVII - Watson Seed	NC	Solar	20,000	1/28/2016	1/27/2031
Bradley PVI- FAE IX	NC	Solar	5,000	2/4/2016	2/3/2031
Conetoe Solar	NC	Solar	5,000	2/5/2016	2/4/2031
SolNC3 Solar-Sugar Run Solar	NC	Solar	5,000	2/5/2016	2/4/2031
Gates Solar	NC	Solar	5,000	2/8/2016	2/7/2031
Long Farm 46 Solar	NC	Solar	5,000	2/12/2016	2/11/2031
Battleboro Farm Solar	NC	Solar	5,000	2/17/2016	2/16/2031
Winton Solar	NC	Solar	5,000	2/8/2016	2/7/2031
SolNC10 Solar	NC	Solar	5,000	1/13/2016	1/12/2031
Tarboro Solar	NC	Solar	5,000	12/31/2015	12/30/2030
Bethel Solar	NC	Solar	4,400	3/3/2016	3/2/2031
Garysburg Solar	NC	Solar	5,000	3/18/2016	3/17/2031
Woodland Solar	NC	Solar	5,000	4/7/2016	4/6/2031
Gaston Solar	NC	Solar	5,000	4/18/2016	4/17/2031
TWE Kelford Solar	NC	Solar	4,700	6/6/2016	6/5/2031
FAE XVIII - Meadows	NC	Solar	20,000	6/9/2016	6/8/2031
Seaboard Solar	NC	Solar	5,000	6/29/2016	6/28/2031
Simons Farm Solar	NC	Solar	5,000	7/13/2016	7/12/2031
Whitakers Farm Solar	NC	Solar	3,400	7/20/2016	7/19/2031
MC1 Solar	NC	Solar	5,000	8/19/2016	8/18/2031
Williamston West Farm Solar	NC	Solar	5,000	8/23/2016	8/22/2031
River Road Solar	NC	Solar	5,000	8/23/2016	8/22/2031
White Farm Solar	NC	Solar	5,000	8/26/2016	8/25/2031
Hardison Farm Solar	NC	Solar	5,000	9/9/2016	9/8/2031
Modlin Farm Solar	NC	Solar	5,000	9/14/2016	9/13/2031
Battleboro Solar	NC	Solar	5,000	10/7/2016	10/6/2031
Williamston Speight Solar	NC	Solar	15,000	11/23/2016	11/22/2031
Barnhill Road Solar	NC	Solar	3,100	11/30/2016	11/29/2031
Hemlock Solar	NC	Solar	5,000	12/5/2016	12/4/2031
Leggett Solar	NC	Solar	5,000	12/14/2016	12/13/2031
Schell Solar Farm	NC	Solar	5,000	12/22/2016	12/21/2031
FAE XXXV - Turkey Creek	NC	Solar	13,500	1/31/2017	1/30/2027
FAE XXII - Baker PVI	NC	Solar	5,000	1/30/2017	1/29/2032
FAE XXI - Benthall Bridge PVI	NC	Solar	5,000	1/30/2017	1/29/2032
Aulander Hwy 42 Solar	NC	Solar	5,000	12/30/2016	12/29/2031
Floyd Road Solar	NC	Solar	5,000	6/19/2017	6/18/2032
Flat Meeks- FAE II	NC	Solar	5,000	10/27/2017	10/26/2032
HXNAir Solar One	NC	Solar	5,000	12/21/2017	12/20/2032
Cork Oak Solar	NC	Solar	20,000	12/29/2017	12/28/2027
Sunflower Solar	NC	Solar	16,000	12/29/2017	12/28/2027
Davis Lane Solar	NC	Solar	5,000	12/31/2017	12/30/2032

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Appendix 5B - Other Generation Units

Company Name:

Virginia Electric and Power Company

Schedule 14b

UNIT PERFORMANCE DATA

Existing Supply-Side Resources (kW)

Unit Name	Location	Primary Fuel Type	kW Summer	Contract Start	Contract Expiration
Purchase Power Agreement (PPA) Units⁽¹⁾					
FAE XIX- American Legion PVI	NC	Solar	15,840	1/2/2018	1/1/2033
FAE XXV-Vaughn's Creek	NC	Solar	20,000	1/2/2018	1/1/2033
TWE Ahoskie Solar Project	NC	Solar	5,000	1/12/2018	1/11/2033
Cottonwood Solar	NC	Solar	3,000	1/25/2018	1/24/2033
Shiloh Hwy 1108 Solar	NC	Solar	5,000	2/9/2018	2/8/2033
Chowan Jehu Road Solar	NC	Solar	5,000	2/9/2018	2/8/2033
Phelps 158 Solar Farm	NC	Solar	5,000	2/26/2018	2/25/2033
Sandy Solar	NC	Solar	5,000	5/30/2018	5/29/2033
Northern Cardinal Solar	NC	Solar	2,000	6/29/2018	6/28/2033
Carl Friedrich Gauss Solar	NC	Solar	5,000	9/10/2018	9/9/2033
Sun Farm VI Solar	NC	Solar	4,975	9/10/2018	9/9/2033
Sun Farm V Solar	NC	Solar	4,975	9/10/2018	9/9/2033
Citizens Hertford	NC	Solar	16,200	6/6/2019	6/5/2029
Camden Dam Solar	NC	Solar	5,000	9/10/2018	9/9/2033
Mill Pond Solar	NC	Solar	5,000	9/10/2018	9/9/2033
Jamesville Road	NC	Solar	5,000	9/10/2018	9/9/2033
North 301	NC	Solar	20,000	12/18/2019	12/17/2029
Five Forks	NC	Solar	20,000	12/23/2019	12/22/2029
Whitehurst PVI Solar	NC	Solar	10,000	3/13/2020	3/12/2035
FAE XXXIII - Grandy	NC	Solar	20,000	3/13/2020	3/12/2030
Alpha Value Solar	NC	Solar	5,000	7/9/2020	9/9/2033
FAE XXXIV - Underwood	NC	Solar	16,000	10/23/2020	10/22/2030
Highway -158 PVI	NC	Solar	9,000	11/10/2020	11/9/2030
Gliden Solar	NC	Solar	5,000	12/30/2020	9/9/2033
Sun Farm VIII	NC	Solar	3,975	12/17/2020	9/9/2033
Ryland Road Solar	NC	Solar	5,000	8/31/2021	9/9/2033
Windsor Hwy 17 Solar	NC	Solar	5,000	8/28/2021	9/9/2033
Hertford Solar	NC	Solar	10,000	8/3/2022	8/2/2027

(1) In operation as of December 31, 2022; generating facilities that have contracted directly with the Company

(2) PPA is for excess energy only typically 4,000-14,000 kW.

(3) PPA is for excess energy only typically 3,500 kW.

Appendix 5C – Equivalent Availability Factor for Plan B

Company Name:

Virginia Electric and Power Company

Schedule E

UNIT PERFORMANCE DATA

Equivalent Availability Factor (%)

Unit Name	(ACTUAL)				(PROJECTED)															
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
Alavita	71	77	77	76	82	82	82	82	80	80	80	80	80	80	80	80	80	80	80	
Bath County 1	90	97	72	58	82	81	91	91	83	83	83	83	83	83	83	83	83	83	83	
Bath County 2	67	49	74	91	91	70	91	91	83	83	83	83	83	83	83	83	83	83	83	
Bath County 3	81	68	95	65	91	91	69	91	83	83	83	83	83	83	83	83	83	83	83	
Bath County 4	76	78	95	72	91	91	79	91	83	83	83	83	83	83	83	83	83	83	83	
Bath County 5	97	77	97	89	64	91	92	91	83	83	83	83	83	83	83	83	83	83	83	
Bath County 6	89	77	96	51	84	91	91	91	83	83	83	83	83	83	83	83	83	83	83	
Bear Garden	87	75	73	79	87	82	88	88	83	83	83	83	83	83	83	83	83	83	83	
Brunswick	88	82	69	56	86	82	86	86	82	82	82	82	82	82	82	82	82	82	82	
BTM Unit 1	41	41	11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
BTM Unit 2	-	-	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
BTM Unit 3	76	77	71	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Chesapeake CT 1, 4, 6	97	92	94	74	74	73	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 5	76	73	40	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 6	78	43	68	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 7	85	64	71	79	100	100	100	100	92	96	96	96	96	96	96	96	96	96	96	
Chesterfield 8	44	68	70	80	92	100	100	100	92	96	96	96	96	96	96	96	96	96	96	
Clover 1	73	62	79	78	81	82	81	82	77	77	77	77	77	77	77	77	77	77	77	
Clover 2	65	73	81	77	84	76	76	76	76	81	81	81	81	81	81	81	81	81	81	
Darbytown 1	71	66	50	97	97	97	97	94	96	96	96	96	96	96	96	96	96	96	96	
Darbytown 2	98	87	74	97	97	93	97	94	96	96	96	96	96	96	96	96	96	96	96	
Darbytown 3	81	87	70	97	97	97	97	94	96	96	96	96	96	96	96	96	96	96	96	
Darbytown 4	97	91	71	97	97	97	97	94	96	96	96	96	96	96	96	96	96	96	96	
Elizabeth River 1	37	90	95	91	91	88	88	84	88	88	88	88	88	88	88	88	88	88	88	
Elizabeth River 2	80	82	91	91	67	91	91	84	88	88	88	88	88	88	88	88	88	88	88	
Elizabeth River 3	77	75	84	91	91	91	67	84	88	88	88	88	88	88	88	88	88	88	88	
South Anna 1	65	86	80	79	90	96	96	96	92	92	92	92	92	92	92	92	92	92	92	
South Anna 2	67	71	84	94	92	96	90	96	93	93	93	93	93	93	93	93	93	93	93	
Gravel Neck 1-2	98	98	95	66	68	65	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gravel Neck 3	86	72	91	97	97	97	92	97	91	96	91	96	96	96	96	96	96	96	96	
Gravel Neck 4	87	71	87	97	97	97	97	96	96	96	96	96	96	96	96	96	96	96	96	
Gravel Neck 5	88	78	88	97	97	97	93	96	96	96	96	96	96	96	96	96	96	96	96	
Gravel Neck 6	88	76	89	97	97	97	97	96	96	96	96	96	96	96	96	96	96	96	96	
Greenville	77	87	85	77	90	87	90	90	89	89	89	89	89	89	89	89	89	89	89	
Hopewell	20	76	80	77	78	78	78	87	77	77	77	77	77	77	77	77	77	77	77	
Ladysmith 1	92	85	88	91	93	93	93	93	92	92	92	92	92	92	92	92	92	92	92	
Ladysmith 2	92	87	72	91	93	93	93	93	92	92	92	92	92	92	92	92	92	92	92	
Ladysmith 3	92	90	89	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
Ladysmith 4	90	88	90	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
Ladysmith 5	77	90	89	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
Lowmoor CT 1-4	98	99	95	81	83	83	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mount Storm 1	76	59	59	76	87	85	87	85	82	82	82	82	82	82	82	82	82	82	82	
Mount Storm 2	63	58	82	74	82	89	88	89	85	85	85	85	85	85	85	85	85	85	85	
Mount Storm 3	58	65	62	72	84	91	89	91	87	87	87	87	87	87	87	87	87	87	87	
Mount Storm CT	100	88	98	81	81	81	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nuclear - Small Modular Reactor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Combustion Turbine_1	-	-	-	-	-	-	-	-	92	92	92	92	92	92	92	92	92	92	92	
New Combustion Turbine_2	-	-	-	-	-	-	-	-	92	92	92	92	92	92	92	92	92	92	92	
New Combustion Turbine_Greenfield	-	-	-	-	-	-	-	-	-	-	100	100	100	100	100	100	100	100	100	
North Anna 1	100	82	89	98	90	90	98	98	76	88	88	89	89	88	90	90	93	93	93	
North Anna Unit 1 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
North Anna 2	87	100	80	90	98	90	76	98	88	88	89	88	90	98	90	93	93	93	93	
North Anna Unit 2 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Northern Neck CT 1-4	89	93	70	80	80	80	-	-	-	-	-	-	-	-	-	-	-	-	-	
Possum Point 6	87	66	68	81	80	88	88	88	88	83	83	83	83	83	83	83	83	83	83	

Appendix 5C – Equivalent Availability Factor for Plan B

Schedule E

Virginia Electric and Power Company

Company Name:

UNIT PERFORMANCE DATA

Equivalent Availability Factor (%)

Unit Name	(ACTUAL)			(PROJECTED)															
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Possum Point CT 1-6	100	95	87	73	73	72	-	-	-	-	-	-	-	-	-	-	-	-	-
Remington 1	94	90	77	91	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93
Remington 2	94	90	92	91	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93
Remington 3	93	92	92	85	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93
Remington 4	90	90	91	76	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93
Rosemary	89	82	73	80	83	83	83	83	78	77	77	77	77	77	77	77	77	77	77
Southampton	78	77	76	79	78	80	80	80	90	79	79	79	79	79	79	79	79	79	79
Surry 1	100	90	85	98	89	90	98	88	88	88	88	79	90	-	-	-	-	-	-
Surry Unit 1 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	95	95	95	95	95	95	95
Surry 2	91	88	100	88	89	98	85	88	98	98	79	90	98	85	-	-	-	-	-
Surry Unit 2 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	95	95	95	95
Virginia City Hybrid Energy Center	69	69	63	83	82	83	83	83	83	80	80	80	80	80	80	80	80	80	80
Warren	81	70	74	84	79	81	84	84	84	80	80	80	80	80	80	80	80	80	80
Yorktown 3	80	73	66	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cox Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sinal Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Three Sisters Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dry Bridge Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duties Tied Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampson Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shanco Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

(1) Equivalent availability factor for intermittent resources shown as a capacity factor.

Company Name:
UNIT PERFORMANCE DATA
Net Capacity Factor (%)

Yonkers Electric and Power Company

Appendix 5D - Net Capacity Factor

Schedule 9

Unit Name	(ACTUAL)			(PROJECTED)																
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
Alkewa's	68	72	75	72.2	72.0	75.0	75.0	59.9	37.2	75.0	75.0	75.0	75.0	75.0	10.3	12.7	75.0	75.0	75.0	
Bath County 1	20	21	16	16.1	19.5	18.6	18.9	19.4	16.7	14.8	13.1	12.3	10.8	11.3	11.0	10.7	10.8	11.3	12.0	
Bath County 2	12	8	16	21.6	18.7	12.7	15.6	17.6	17.2	15.3	13.8	12.6	11.3	11.3	11.0	10.6	9.9	10.2	9.8	
Bath County 3	9	13	19	15.6	19.9	18.5	12.8	18.5	18.6	18.9	14.7	13.4	12.1	12.1	11.8	11.3	11.2	11.9	12.5	
Bath County 4	12	10	23	17.9	20.1	18.2	15.8	19.2	19.0	17.0	15.2	13.7	12.4	12.4	12.5	11.9	12.1	11.4	12.4	
Bath County 5	14	11	21	22.3	14.5	18.6	17.6	18.6	18.1	17.6	15.3	14.0	12.7	12.7	12.3	12.2	11.6	12.9	13.2	
Bath County 6	8	10	14	14.4	20.4	20.7	20.1	18.2	21.2	18.4	16.7	15.2	14.0	14.2	14.2	13.6	13.5	15.0	15.7	
Bear Garden	78	57	44	70.5	71.3	68.9	64.9	83.1	76.2	74.2	71.6	72.1	74.7	68.3	69.9	72.1	76.2	78.8	79.4	
Brunswick	82	72	60	53.6	60.8	77.5	82.7	82.3	77.2	76.2	75.8	76.6	77.6	74.9	74.7	75.9	77.6	77.8	77.8	
Exaling VA Solar PPAS 2020	-	-	-	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.5	
BTM Unit 1	41	41	11	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
BTM Unit 2	-	-	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
BTM Unit 3	76	77	71	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Grassfield Solar	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Norfolk Solar	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Cavalier PPA	-	-	-	-	-	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	
Chesapeake PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Pleasant Hill PPA	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Rivanna PPA	-	-	-	-	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	
Wallington PPA	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Wythe 2 PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Sycamore Solar	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Black Bear Distributed	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Clean Energy 2 DER 2	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Clean Energy 2 DER 3	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Springfield Distributed	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
360 PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Cox PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Ho Fo PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Sinai PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Stretford PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Sunny PPA	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Carmella Solar	-	-	-	-	20.1	20.2	20.2	20.2	20.1	20.2	20.2	20.2	20.2	20.1	20.2	20.2	20.1	20.2	20.2	
Duffies Tied Solar	-	-	-	-	-	19.8	19.8	19.7	19.8	19.8	19.8	19.7	19.8	19.8	19.8	19.7	19.8	19.8	19.8	
Fountain Creek Solar	-	-	-	-	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	
Otter Creek Solar	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Piney Creek Base Solar	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Quilwort Solar	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Sebers Solar	-	-	-	-	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	
Solidago Solar	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Sweet Sun Solar	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Wahnet Solar	-	-	-	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
Winterberry Solar	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Wintercock Solar	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Augusta PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Clean Energy 3 DER 1	-	-	-	-	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	
Clean Energy 3 DER 2	-	-	-	-	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
Pivot Energy VA 2	-	-	-	-	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	
Groves PPA	-	-	-	-	-	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	
Harrisonburg PPA	-	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Jerratt PPA	-	-	-	-	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
Switchgrass PPA	-	-	-	-	20.8	20.8	20.8	20.9	20.8	20.8	20.8	20.8	20.9	20.8	20.8	20.8	20.9	20.8	20.8	
Bridleford Solar	-	-	-	-	-	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	
Chesapeake CT 1, 4, 6	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 5	21	18	16	36.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 6	17	10	16	32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chesterfield 7	69	56	56	72.4	89.0	89.2	90.1	82.8	85.5	85.8	86.0	86.5	86.6	86.3	84.8	85.8	86.6	86.4	86.4	
Chesterfield 8	39	61	57	72.9	82.5	89.0	90.3	82.7	85.5	84.8	84.8	86.3	86.0	85.1	84.5	86.3	86.6	86.6	86.6	
Clover 1	17	11	8	24.8	19.3	16.1	13.8	14.0	18.4	14.0	15.6	18.5	19.3	21.3	21.5	25.1	31.4	28.5	25.9	
Clover 2	16	12	8	26.6	20.2	18.1	17.1	18.4	19.3	15.9	18.9	22.3	25.0	24.8	30.3	35.4	33.6	31.4	34.3	
Darbytown 1	1	1	1	5.0	0.9	2.7	4.1	2.5	2.1	1.9	1.7	1.7	1.7	1.8	1.7	1.8	1.9	1.7	1.6	
Darbytown 2	4	1	2	5.0	0.8	2.6	4.1	2.5	2.0	1.9	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.7	1.6	

2200T:0E2

Unit Name	(ACTUAL)				(PROJECTED)												2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
Darbytown 3	3	3	1	5.0	0.9	2.7	4.1	2.5	2.0	1.9	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Darbytown 4	7	2	3	5.0	0.8	2.6	4.0	2.4	2.0	1.9	1.6	1.6	1.6	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8
Elizabeth River 1	1	1	1	3.0	1.2	2.5	3.0	2.1	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.3
Elizabeth River 2	1	3	4	3.0	1.1	2.4	3.0	2.2	1.4	1.4	1.2	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.2
Elizabeth River 3	7	1	1	3.0	1.2	2.5	3.0	2.2	1.5	1.4	1.2	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.2
South Anna 1	60	59	58	58.6	46.2	57.1	74.2	62.7	53.2	51.8	44.5	43.3	45.6	41.8	43.6	46.5	52.7	60.5	66.3								
South Anna 2	62	48	49	69.1	48.3	55.3	87.8	60.6	50.6	48.4	41.3	40.7	42.2	37.8	39.6	43.3	49.2	58.0	64.0								
Gravel Neck 1-2	0	0	1	0.3	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 3	2	2	2	2.4	0.7	2.2	3.3	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.2
Gravel Neck 4	4	0	1	2.4	0.7	2.2	3.3	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.2
Gravel Neck 5	6	1	1	2.5	0.7	2.2	3.3	2.0	1.2	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.2
Gravel Neck 6	7	0	1	2.3	0.7	2.2	3.3	1.9	1.2	1.1	1.2	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.2
Greenville	77	83	80	74.1	68.9	84.6	87.9	88.0	86.0	86.0	86.0	85.9	85.9	85.9	85.9	85.9	86.0	85.9	85.9								
Hopewell	17	69	80	75.0	64.0	75.0	75.0	51.8	29.3	74.6	74.6	74.6	74.6	74.6	6.3	9.1	74.6	74.6	74.6								
LadySmith 1	11	6	11	5.0	5.0	5.0	5.0	5.0	5.0	4.2	3.2	3.2	3.2	3.0	3.0	3.5	3.6	3.7	5.0								
LadySmith 2	19	7	14	5.0	5.0	5.0	5.0	5.0	5.0	4.3	3.3	3.4	3.1	3.0	3.5	3.7	3.8	5.0	5.0								
LadySmith 3	20	5	10	5.0	5.0	5.0	5.0	5.0	5.0	4.5	3.5	3.6	3.4	3.3	3.7	3.9	4.0	5.0	5.0								
LadySmith 4	24	10	18	23.3	13.0	15.3	16.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0								
LadySmith 5	10	7	11	35.0	13.1	15.8	21.6	14.4	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0								
Lomax U1 1-4	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mount Storm 1	47	35	30	37.1	31.1	38.2	42.0	28.9	28.3	25.3	27.2	31.4	35.4	35.9	42.0	49.0	47.1	47.7	48.7								
Mount Storm 2	28	38	36	38.6	33.0	41.5	43.3	30.9	29.7	27.2	28.9	34.7	38.9	40.1	46.6	53.9	50.3	51.4	52.2								
Mount Storm 3	23	44	32	36.3	35.9	44.8	48.8	33.9	31.3	29.6	30.6	35.4	40.3	40.5	47.0	54.3	53.8	55.1	56.4								
Mount Storm CT	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclear - Small Modular Reactor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Combustion Turbine, 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Combustion Turbine, 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Combustion Turbine, Crookfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna 1	102	83	90	98.3	88.7	88.2	98.3	75.1	66.1	98.3	87.0	87.1	86.3	88.1	88.2	91.4	91.4	91.4	91.4								
North Anna Unit 1 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna 2	88	102	82	88.3	96.4	88.2	74.8	96.4	66.1	87.2	98.4	98.8	98.3	96.4	88.1	91.2	91.2	91.2	91.2								
North Anna Unit 2 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna Unit 2 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Neck CT 1-4	2	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pasum Point 6	74	46	35	65.5	56.8	65.9	75.8	72.7	63.2	81.2	56.3	56.3	58.8	54.5	56.1	58.0	63.0	67.1	69.4								
Pasum Point CT 1-6	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remington 1	16	12	15	5.0	5.0	5.0	5.0	4.5	3.1	2.6	2.3	2.4	2.5	2.5	2.7	2.8	3.5	5.0	5.0								
Remington 2	12	6	11	5.0	5.0	5.0	5.0	4.2	2.8	2.6	2.3	2.4	2.4	2.5	2.7	2.8	3.6	4.3	4.3								
Remington 3	14	11	16	19.4	6.3	8.9	11.8	7.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0								
Remington 4	10	8	11	23.1	5.8	9.1	16.4	11.0	7.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0								
Roadway	0	1	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0								
Southampton	61	71	75	75.0	65.2	75.0	75.0	58.8	32.4	75.0	75.0	75.0	75.0	73.0	73.0	75.0	75.0	75.0	75.0								
Surry 1	102	90	87	95.9	87.5	87.6	95.9	86.7	86.3	95.9	77.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8								
Surry Unit 1 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surry 2	92	69	102	86.7	87.1	95.9	83.6	86.3	95.9	77.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8								
Surry Unit 2 Nuclear Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia City Hybrid Energy Center	16	18	26	29.5	24.5	27.1	24.1	18.6	19.7	14.9	13.0	16.4	17.5	17.7	21.2	26.0	23.1	24.6	28.0								
Warren	76	60	65	80.9	75.7	78.2	80.7	80.5	75.9	75.5	75.8	75.8	75.5	73.1	73.0	74.2	75.2	75.9	76.1								
Yorktown 3	1	1	0	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cox Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sine Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Three Sisters Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dry Bridge Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dukes Tied Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shands Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery, 4H Hybrid (30MW) Post 2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery, 4H Hybrid (30MW) Post 2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery, 4H Hybrid (30MW) Post 2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix 5E - Heat Rates

Yonkers Electric and Power Company

Company Name:
UNIT PERFORMANCE DATA
Average Heat Rate - (mmBtu/MWh)

Schedule 10

Unit Name	(ACTUAL)				(PROJECTED)																									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	
Alaviea	15.81	16.38	16.56	12.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bear Garden	7.19	7.31	7.27	7.08	7.08	7.08	7.06	7.06	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08
Brunswick	8.87	7.04	7.02	6.87	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96	6.96
BTM Unit 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BTM Unit 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BTM Unit 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake CT 1, 4, 6	15.99	18.18	18.45	14.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 5	10.46	10.38	10.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 6	10.40	10.25	10.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 7	7.39	7.69	7.76	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30
Chesterfield 8	7.36	7.36	7.73	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25
Clover 1	10.91	11.46	11.16	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49	10.49
Clover 2	10.27	11.20	10.97	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40
Darbytown 1	12.81	13.28	12.46	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20
Darbytown 2	12.47	12.89	12.49	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26
Darbytown 3	12.54	12.90	12.44	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26
Darbytown 4	12.64	12.88	12.74	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26
Elizabeth River 1	12.50	12.55	12.32	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22
Elizabeth River 2	12.66	12.63	12.99	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22
Elizabeth River 3	12.35	12.16	12.21	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22	12.22
South Anna 1	8.29	8.14	8.63	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48	8.48
South Anna 2	8.44	8.36	8.35	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49	8.49
Gravel Neck 1-2	18.20	19.24	15.72	17.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 3	12.95	13.14	12.99	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86
Gravel Neck 4	13.12	13.21	12.76	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86
Gravel Neck 5	13.40	13.60	13.53	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86
Gravel Neck 6	12.92	13.09	13.26	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86	12.86
Greenville	6.60	6.72	6.51	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61
Hopewell	18.22	17.39	16.53	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88	11.88
LadySmith 1	9.84	10.90	10.06	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32	10.32
LadySmith 2	9.59	10.67	9.71	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30
LadySmith 3	9.70	10.16	9.67	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27
LadySmith 4	9.62	10.18	9.90	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27	10.27
LadySmith 5	9.65	10.00	9.55	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10			

Appendix 5E – Heat Rates

Schedule 10

Yonkers Electric and Power Company

Company Name:
UNIT PERFORMANCE DATA
Average Heat Rate - (mmBtu/MWh)

Unit Name	(ACTUAL)					(PROJECTED)											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Surry 1	10.33	10.32	10.28	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31
Surry Unit 1 Nuclear Extension	10.25	10.23	10.30	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31	10.31
Surry Unit 2 Nuclear Extension	12.47	10.98	10.46	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96	9.96
Virginia City Hybrid Energy Center	6.86	6.89	6.90	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06
Warren	10.91	11.11	10.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yorktown 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cox Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sinal Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Three Sisters Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dry Bridge Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duke's Tied Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampden Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shands Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Battery_4H Hybrid (30MW) Post 2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix 5F – Existing Capacity (for Plan B)

Schedule 7

Company Name: Vergara Electric and Power Company

CAPACITY DATA

	(ACTUAL)					(PROJECTED)														
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
L Firm Capacity (MW) ⁽¹⁾⁽⁴⁾																				
a Nuclear ⁽¹⁾	3,357	3,357	3,357	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	3,349	
b Biomass ⁽¹⁾	151	153	153	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	
c Coal	3,884	3,884	3,880	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	2,804	
d Heavy Fuel Oil	786	787	787	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e Light Fuel Oil	584	584	584	245	245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f Natural Gas-Berler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
g Natural Gas-Combined Cycle	6,292	6,266	6,266	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	6,313	
h Natural Gas-Turbine	2,051	2,051	2,051	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	2,391	
i Hydro-Conventional	317	317	317	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	
j Pumped Storage & Battery	1,805	1,809	1,809	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	1,808	
k Renewable	72	128	224	720	1,112	1,128	1,048	970	807	711	655	567	482	475	458	441	432	424	418	
L Total Company Firm Capacity	18,105	19,137	19,228	17,981	18,353	18,124	18,044	17,968	17,803	17,707	17,651	17,563	17,486	17,471	17,454	17,437	17,426	17,420	17,412	
m Other (PPA)	-	-	64	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	
n Storage PPA	-	-	-	32	42	42	42	43	43	43	43	43	42	42	41	40	40	39	38	
o Renewable PPA	-	-	-	70	168	167	163	160	163	149	147	143	140	139	138	138	137	137	137	
p Total	19,105	19,137	19,293	18,286	18,784	18,556	18,472	18,392	18,223	18,122	18,064	17,972	17,894	17,875	17,857	17,839	17,828	17,819	17,810	

II. Firm Capacity Mix (%)⁽¹⁾⁽²⁾

a Nuclear	17.8%	17.5%	17.4%	18.3%	17.8%	18.0%	18.1%	18.1%	18.2%	18.4%	18.5%	18.6%	18.7%	18.7%	18.8%	18.8%	18.8%	18.6%	18.6%
b Biomass	0.8%	0.8%	0.8%	1.2%	1.1%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%
c Coal	19.3%	19.3%	19.1%	14.2%	13.6%	14.0%	14.1%	14.2%	14.3%	14.3%	14.4%	14.5%	14.6%	14.6%	14.6%	14.6%	14.6%	14.6%	14.6%
d Heavy Fuel Oil	4.1%	4.1%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
e Light Fuel Oil	3.1%	3.1%	3.0%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
f Natural Gas-Berler	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
g Natural Gas-Combined Cycle	32.8%	32.7%	32.5%	34.5%	33.6%	34.0%	34.2%	34.3%	34.6%	34.8%	34.9%	35.1%	35.3%	35.3%	35.4%	35.4%	35.4%	35.4%	35.4%
h Natural Gas-Turbine	10.7%	10.7%	10.6%	13.1%	12.7%	12.8%	12.9%	13.0%	13.1%	13.2%	13.2%	13.3%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%
i Hydro-Conventional	1.7%	1.7%	1.6%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%
j Pumped Storage & Battery	9.5%	9.5%	9.4%	9.8%	9.6%	9.7%	9.8%	9.8%	9.9%	10.0%	10.0%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	10.2%
k Renewable	0.4%	0.7%	1.2%	3.9%	5.9%	6.1%	5.7%	5.3%	4.4%	3.5%	3.6%	3.2%	2.6%	2.7%	2.6%	2.5%	2.4%	2.4%	2.3%
L Total Company Firm Capacity	100.0%	100.0%	99.7%	98.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.7%	97.6%	97.6%	97.6%	97.6%
m Other (PPA)	0.0%	0.0%	0.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
n Storage PPA	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
o Renewable PPA	0.0%	0.0%	0.0%	0.4%	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
p Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

(1) Not dependable annual firm capacity during peak season.

(2) Each item in Section I as a percent of line "p." (Total).

(3) Includes current estimates for renewable capacity by VCHC.

(4) Firm capacity as of fiscal data 2024.

(5) Including nuclear extensions.

Appendix 5G – Energy Generation by Type (GWh) for Plan B

Company Name: Virginia Electric and Power Company
GENERATION

Schedule 2

	(ACTUAL)					(PROJECTED)														
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
I. System Output (GWh)																				
a. Nuclear	28,287	28,788	28,542	27,993	27,483	27,436	28,757	28,251	27,091	27,217	28,571	27,253	27,592	28,231	29,742	30,217	32,435	32,344	34,472	
b. Biomass ⁽¹⁾	788	1,055	1,135	1,207	1,084	1,207	1,191	994	575	1,138	1,128	1,147	1,156	210	269	1,199	1,187	1,191	1,199	
c. Coal	7,720	7,893	7,612	9,093	8,769	7,947	8,100	5,977	5,948	5,241	5,504	6,485	7,311	7,335	8,601	10,060	8,557	9,672	9,987	
d. Heavy Fuel Oil	78	49	31	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Light Fuel Oil	38	130	271	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Natural Gas-Boiler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
g. Natural Gas-Combined Cycle	40,819	35,885	33,087	40,885	45,317	45,529	48,878	48,014	45,520	44,929	44,293	44,501	45,027	43,439	43,628	44,303	45,474	46,048	46,355	
h. Natural Gas-Turbine	2,187	997	1,537	2,316	1,120	1,437	1,804	1,360	2,404	2,086	1,875	1,674	1,681	1,559	1,683	2,175	2,844	4,074	5,710	
i. Hydro-Conventional	778	681	363	627	629	627	627	627	629	627	627	627	629	627	627	627	629	627	627	
j. Pumped Storage & Battery	2,005	1,854	2,772	2,849	2,980	2,834	2,703	3,039	3,085	2,899	2,707	2,648	2,814	2,815	2,929	3,124	3,342	3,728	3,829	
k. Renewable	412	804	786	1,312	1,885	2,102	3,056	13,340	15,096	15,904	16,842	18,283	19,563	30,322	31,744	32,866	34,305	35,579	36,782	
l. Total Generation	83,091	75,917	74,137	88,136	87,278	88,119	93,117	99,502	100,348	100,041	99,348	102,598	105,603	114,538	119,221	124,701	128,872	133,262	139,043	
m. Purchased Power (PPAs)	2,314	2,711	2,718	1,875	2,344	3,178	3,171	3,740	4,209	4,684	5,170	5,838	6,522	7,166	7,825	8,483	9,162	9,787	10,435	
n. Purchased Power (Battery Storage)	-	-	-	57	71	170	225	234	281	328	395	475	587	666	758	878	1,021	1,151	1,219	
o. Purchased Power (Market / PJM)	3,946	12,747	19,846	13,545	13,828	12,861	14,448	12,771	13,935	18,183	20,495	21,103	23,491	20,009	21,662	23,275	26,037	29,850	33,076	
p. Less Pumping Energy	(2,484)	(2,369)	(3,446)	(3,634)	(3,818)	(3,724)	(3,646)	(4,082)	(4,168)	(3,967)	(3,799)	(3,813)	(3,849)	(4,175)	(4,428)	(4,788)	(5,217)	(5,800)	(6,121)	
q. Less Other Sales ⁽²⁾	-	-	-	(2,983)	(818)	(1,200)	(1,119)	(2,735)	(1,300)	(570)	(493)	(508)	(621)	(1,085)	(1,250)	(1,397)	(1,442)	(1,283)	(1,225)	
s. Total System Firm Energy Req.	88,887	89,008	93,256	94,993	98,888	100,205	108,193	109,451	113,308	116,689	121,115	125,692	131,712	137,118	143,789	151,151	159,434	167,093	176,427	

II. Energy Supplied by Competitive Service Providers

(1) Includes current estimates for renewable energy generation by VCHC.
(2) Includes all sales or delivery transactions with other electric utilities, i.e., firm or economy sales, etc.

Appendix SH – Energy Generation by Type (%) for Plan B

Virginia Electric and Power Company

Company Name:

GENERATION

(ACTUAL) (PROJECTED)

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
III. System Output Mix (%)																			
a. Nuclear	32.6%	30.1%	28.5%	29.5%	27.8%	27.4%	25.2%	24.0%	23.9%	23.3%	21.9%	21.7%	20.9%	20.8%	20.7%	20.0%	20.3%	19.4%	19.5%
b. Biomass ⁽¹⁾	0.9%	1.2%	1.2%	1.2%	1.1%	1.2%	1.1%	0.0%	0.5%	1.0%	0.9%	0.9%	0.9%	0.2%	0.2%	0.0%	0.7%	0.7%	0.7%
c. Coal	8.9%	8.9%	8.2%	8.5%	6.8%	7.9%	7.6%	5.5%	5.2%	4.5%	4.5%	5.1%	5.6%	5.3%	6.0%	6.7%	6.0%	5.8%	5.8%
d. Heavy Fuel Oil	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
e. Light Fuel Oil	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
f. Natural Gas-B Boiler	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
g. Natural Gas-Combined Cycle	47.0%	40.1%	35.5%	42.8%	45.8%	45.4%	46.0%	43.9%	40.2%	38.5%	36.6%	35.4%	34.2%	31.7%	30.3%	29.3%	28.5%	27.8%	26.3%
h. Natural Gas-Turbine	2.5%	1.1%	1.6%	2.4%	1.1%	1.4%	1.7%	1.2%	2.1%	1.8%	1.4%	1.3%	1.3%	1.1%	1.2%	1.4%	1.6%	2.4%	3.7%
i. Hydro-Conventional	0.9%	0.7%	0.4%	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%
j. Pumped Storage & Battery	2.3%	2.1%	3.0%	3.0%	3.0%	2.6%	2.5%	2.8%	2.7%	2.5%	2.2%	2.1%	2.0%	2.1%	2.0%	2.1%	2.1%	2.2%	2.2%
k. Renewable	0.5%	0.9%	0.8%	1.4%	1.8%	2.1%	2.9%	12.2%	13.3%	13.6%	13.9%	14.5%	14.9%	22.1%	22.1%	21.8%	21.5%	21.3%	20.8%
l. Total Generation	95.6%	85.3%	79.5%	90.7%	88.3%	86.9%	87.7%	90.9%	88.6%	85.7%	82.0%	81.6%	80.2%	83.5%	82.9%	82.5%	81.5%	79.8%	78.5%
m. Purchased Power (PPAs)	2.7%	3.0%	2.9%	2.0%	2.4%	3.2%	3.0%	3.4%	3.7%	4.0%	4.3%	4.6%	5.0%	5.2%	5.4%	5.6%	5.7%	5.9%	5.9%
n. Purchased Power (Battery Storage)	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.4%	0.4%	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%
o. Purchased Power (Market / PJM)	4.5%	14.3%	21.3%	14.3%	14.0%	12.6%	13.8%	11.7%	12.3%	13.9%	16.9%	16.8%	17.8%	14.8%	15.1%	15.4%	16.3%	17.8%	18.7%
p. Loss Pumping Energy	-7.8%	-7.7%	-3.7%	-3.8%	-3.9%	-3.7%	-3.4%	-3.7%	-3.7%	-3.4%	-3.1%	-3.0%	-2.9%	-3.0%	-3.1%	-3.2%	-3.3%	-3.5%	-3.5%
q. Loss Other Sales ⁽²⁾	0.0%	0.0%	0.0%	-3.1%	-0.8%	-1.2%	-1.1%	-2.5%	-1.1%	-0.5%	-0.4%	-0.4%	-0.5%	-0.8%	-0.9%	-0.9%	-0.9%	-0.8%	-0.7%
r. Total System Firm Energy Req.	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
IV. System Load Factor	58.7%	60.0%	58.5%	63.8%	65.2%	65.9%	67.3%	68.1%	68.9%	69.6%	70.5%	71.3%	72.3%	73.1%	73.8%	74.7%	75.4%	76.1%	76.9%

(1) Includes current estimates for renewable energy generation by VCEC.

(2) Includes all sales or delivery transactions with other electric utilities, i.e., firm or non-firm sales, etc.

Appendix 51 - Solar and Wind Generating Facilities Since July 1, 2018

Project Name	Status	Nameplate (MWac)	In Service Date	Type	Cost Recovery Mechanism
Hollyfield Solar	Operational	17	2018	Company-build	Ring-Fence
Montross Solar	Operational	20	2018	Company-build	Ring-Fence
Pecan Solar	Operational	74.9	2018	Company-build	Ring-Fence
Puller Solar	Operational	15	2018	Company-build	Ring-Fence
Colonial Trail West Solar	Operational	142	2019	Company-build	RAC
Gloucester Solar	Operational	20	2019	Company-build	Ring-Fence
Gutenberg Solar	Operational	80	2019	Company-build	Ring-Fence
Chestnut Solar	Operational	75	2020	Company-build	Ring-Fence
Coastal VA Offshore Wind (CVOW) Demonstration	Operational	12	2020	Company-build	Fuel / Base
Grasshopper Solar	Operational	80	2020	Company-build	Ring-Fence
Spring Grove 1 Solar	Operational	98	2020	Company-build	RAC
Hickory Solar*	Operational	32	2020	PPA	Fuel / Base
Pamplin Solar*	Operational	15.7	2020	PPA	Fuel / Base
Rives Road Solar*	Operational	20	2020	PPA	Fuel / Base
Bedford Solar	Operational	70	2021	Company-build	Ring-Fence
Belcher Solar	Operational	88	2021	Company-build	Ring-Fence
Rochambeau Solar	Operational	20	2021	Company-build	Ring-Fence
Sadler Solar	Operational	100	2021	Company-build	RAC
Buckingham Solar II*	Operational	20	2021	PPA	Fuel / Base
Hollyfield Solar II*	Operational	13	2021	PPA	Fuel / Base
Mount Jackson Solar I*	Operational	15.65	2021	PPA	Fuel / Base
Water Strider Solar	Operational	80	2021	PPA	Fuel / Base
Westmoreland Solar	Operational	20	2021	PPA	Fuel / Base
Acorn Solar	Operational	1.4	2022	Company-build	Ring-Fence
Fort Powhatan Solar	Operational	150	2022	Company-build	Ring-Fence
Grassfield Solar	Operational	20	2022	Company-build	RAC
Maplewood Solar	Operational	120	2022	Company-build	Ring-Fence
Pumpkinseed Solar	Operational	59.6	2022	Company-build	Ring-Fence
Nokesville Solar*	Operational	20	2022	PPA	Fuel / Base
Sycamore Solar	Operational	42.0	2023	Company-build	RAC
Ivy Landfill Distributed	Under Construction	3.0	2025 (proj.)	Company-build	RAC
Black Bear Distributed	Under Construction	1.6	2023 (proj.)	Company-build	RAC
Bookers Mill Solar	Under Construction	127.0	2023 (proj.)	Company-build	Ring-Fence
Camellia Solar	Under Construction	20.0	2023 (proj.)	Company-build	RAC
Fountain Creek Solar	Under Construction	80.0	2023 (proj.)	Company-build	RAC
Norge Solar	Under Construction	20.0	2023 (proj.)	Company-build	RAC
Otter Creek Solar	Under Construction	60.0	2023 (proj.)	Company-build	RAC
Piney Creek Solar	Under Construction	80.0	2023 (proj.)	Company-build	RAC
Quiltwort Solar	Under Construction	18.0	2023 (proj.)	Company-build	RAC
Sebera Solar	Under Construction	18.0	2023 (proj.)	Company-build	RAC
Solidago Solar	Under Construction	20.0	2023 (proj.)	Company-build	RAC
Springfield Distributed	Under Construction	2.0	2023 (proj.)	Company-build	RAC
Sweet Sue Solar	Under Construction	73.0	2023 (proj.)	Company-build	RAC
Winterberry Solar	Under Construction	20.0	2023 (proj.)	Company-build	RAC
Winterpock Solar	Under Construction	20.0	2023 (proj.)	Company-build	RAC
Aditya Solar*	Under Construction	11	2023 (proj.)	PPA	Fuel / Base
Chesapeake Solar	Under Construction	118	2023 (proj.)	PPA	RAC
Endless Caverns Solar*	Under Construction	31.4	2023 (proj.)	PPA	Fuel / Base
Pleasant Hill Solar	Under Construction	20	2023 (proj.)	PPA	RAC
Stratford Solar	Under Construction	15	2023 (proj.)	PPA	RAC
Watlington Solar	Under Construction	20	2023 (proj.)	PPA	RAC
Bridleton Solar	Under Construction	20.0	2024 (proj.)	Company-build	RAC
Kings Creek Solar	Under Construction	20.0	2024 (proj.)	Company-build	RAC
North Ridge Solar	Under Construction	20.0	2024 (proj.)	Company-build	RAC
Racefield Distributed	Under Construction	3.0	2024 (proj.)	Company-build	RAC
Southern Virginia Solar	Under Construction	125.0	2024 (proj.)	Company-build	RAC
Walnut Solar	Under Construction	149.9	2024 (proj.)	Company-build	RAC
Augusta Solar	Under Construction	105	2024 (proj.)	PPA	RAC
Cox Solar	Under Construction	16	2024 (proj.)	PPA	RAC
Sinai Solar	Under Construction	9.9	2024 (proj.)	PPA	RAC
Ho-Fel Solar	Under Construction	50	2024 (proj.)	PPA	RAC
Jarratt Solar	Under Construction	48.4	2024 (proj.)	PPA	RAC
New Kent Solar*	Under Construction	20	2024 (proj.)	PPA	Fuel / Base
Rivanna Solar	Under Construction	12.5	2024 (proj.)	PPA	RAC

Appendix 5I - Solar and Wind Generating Facilities Since July 1, 2018

Project Name	Status	Nameplate (MWac)	In Service Date	Type	Cost Recovery Mechanism
Surry Solar	Under Construction	20	2024 (proj.)	PPA	RAC
Switchgrass Solar	Under Construction	69	2024 (proj.)	PPA	RAC
Wythe Solar	Under Construction	75	2024 (proj.)	PPA	RAC
Dulles Solar	Under Construction	100.0	2025 (proj.)	Company-build	RAC
Cavalier Solar	Under Construction	240	2025 (proj.)	PPA	RAC
Cerulean Solar	Under Construction	62.0	2026 (proj.)	Company-build	RAC
Coastal VA Offshore Wind (CVOW)	Under Construction	2587	2026 (proj.)	Company-build	RAC
Courthouse Solar	Under Construction	167.0	2026 (proj.)	Company-build	RAC
Moon Corner Solar	Under Construction	60.0	2026 (proj.)	Company-build	RAC
360 Solar 1 Solar	Under Construction	26	2026 (proj.)	PPA	RAC
360 Solar 2 Solar	Under Construction	26	2026 (proj.)	PPA	RAC
Groves Solar	Under Construction	16.2	2026 (proj.)	PPA	RAC
Harrisonburg Solar	Under Construction	15	2026 (proj.)	PPA	RAC

* Variable pricing based on PJM energy and capacity prices.

Appendix 5J - Potential Unit Retirements for Plan B

Company Name:

Virginia Electric and Power Company

Schedule 19

UNIT PERFORMANCE DATA

Planned Unit Retirements⁽¹⁾

Unit Name	Location	Unit Type	Primary Fuel Type	Projected Retirement Year	MW Summer	MW Winter
Yorktown 3	Yorktown, VA	Steam-Cycle	Heavy Fuel Oil	2023	767	792
Chesterfield 5	Chester, VA	Steam-Cycle	Coal	2023	336	342
Chesterfield 6	Chester, VA	Steam-Cycle	Coal	2023	678	690
Chesapeake CT 1	Chesapeake, VA	Combustion Turbine	Light Fuel Oil	2025	39	53
Chesapeake GT1					15	
Chesapeake GT4					12	
Chesapeake GT6					12	
Lowmoor CT	Covington, VA	Combustion Turbine	Light Fuel Oil	2025	48	65
Lowmoor GT1					12	
Lowmoor GT2					12	
Lowmoor GT3					12	
Lowmoor GT4					12	
Mount Storm CT	Mt. Storm, WV	Combustion Turbine	Light Fuel Oil	2025	11	16
Mt. Storm GT1					11	
Northern Neck CT	Warsaw, VA	Combustion Turbine	Light Fuel Oil	2025	47	66
Northern Neck GT1					12	
Northern Neck GT2					11	
Northern Neck GT3					12	
Northern Neck GT4					12	
Possum Point CT	Dumfries, VA	Steam-Cycle	Light Fuel Oil	2025	72	93
Possum Point CT1					12	
Possum Point CT2					12	
Possum Point CT3					12	
Possum Point CT4					12	
Possum Point CT5					12	
Possum Point CT6					12	

(1) Reflects retirement assumptions used for planning purposes, not firm Company commitments except for Chesterfield Units 5 and 6 and Yorktown Unit 3.

Appendix 5K – Planned Changes to Existing Generation Units

Schedule 13

Virginia Electric and Power Company

Company Name:
UNIT PERFORMANCE DATA⁽¹⁾⁽⁴⁾
Unit Size (MW) Uprate and Derate

Unit Name	(ACTUAL)					(PROJECTED)														
	2020	2021	2022	2023		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Altavista	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bath County 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bear Garden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick	-	-	-	18.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake CT 1, 4, 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chesterfield 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clover 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clover 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Darbytown 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Darbytown 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Darbytown 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Darbytown 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elizabeth River 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elizabeth River 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Elizabeth River 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gaston Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Anna 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Anna 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 1-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gravel Neck 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hopewell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ladysmith 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ladysmith 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ladysmith 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ladysmith 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ladysmith 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lowmoor CT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mount Storm 1	-	-	(1.10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mount Storm 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mount Storm 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mount Storm CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CVOW (Demonstration)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Anna Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Neck CT 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Possum Point 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Possum Point CT 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Appendix 5K - Planned Changes to Existing Generation Units

Virginia Electric and Power Company

Company Name:
 UNIT PERFORMANCE DATA⁽¹⁾⁽²⁾
 Unit Size (MW) Uprate and Derate

Unit Name	(ACTUAL)				(PROJECTED)														
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Remington 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remington 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remington 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remington 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roanoke Rapids Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rosemary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southampton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surry 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surry 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia City Hybrid Energy Center	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warren	-	-	7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yorktown 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix 5L – Environmental Regulations

Constituent	Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
AIR	Hg/HAPs	Mercury & Air Toxics Standards <u>(1)</u> (MATS)	12/16/2011	Coal & Oil	All affected units compliant
	Hg/HAPs	Mercury & Air Toxics Standards Risk and Technology Review <u>(1)</u>	exp. Q4 2023	Coal & Oil	The EPA published a proposal in April 2023 to tighten certain aspects of the MATS, rule which include a lower emission limit for filterable particulate matter and required use of CEMS to demonstrate compliance with the fPM limit. Other proposed changes include removal of emission limits for total and individual non-mercury HAPs, and elimination of a “startup” definition. The EPA is expecting to come out with a final action by the end of 2023, with the final strategy and implementation likely occurring in the second quarter of 2024.
	HAPs	NESHAPS for stationary combustion turbines (Subpart YYYYY)	2/28/2022	New / reconstructed CTs – major HAP loc.	Gas fired combined cycle and simple cycle combustion turbines constructed or reconstructed at major sources of HAP emissions after Jan 14, 2003 must meet the formaldehyde standard.
	SO2	CSAPR <u>(2)</u>	2011	All fossil units > 25 MWs	Allowances (In-Sys.; Trading)
		SO2 NAAQS (75 ppb, 1-hr avg)	6/2/2010	Oil: YT 3	Maintain current % sulfur oil level <u>(3)</u>
	NOx	2015 Ozone Standard (70 ppb)	12/2020	All fossil units > 25 MWs	EPA reconsidering the December 2020 final rule that retained the 2015 NAAQS. EPA aiming to complete reconsideration by end of 2023.
		2015 Ozone NAAQS Interstate Transport Federal Implementation Plan (70 ppb) <u>(21)</u>	12/1/2020	All fossil units > 25 MWs	The EPA released a pre-publication of the final federal implementation plan (“FIP”) on March 15, 2023, addressing interstate transport for the 2015 Ozone NAAQS. Virginia and West Virginia are covered in the FIP. The EPA revised the CSAPR ozone season NOx emissions trading program with additional restrictions not included in any of the current CSAPR trading programs. Coal-fired electric generating units (excluding circulating fluidized bed (“CFB”) boilers) would be subject to daily emission rate limits during ozone season and would have to surrender additional allowances (at a 3:1 ratio) if limits are exceeded after the first 50 tons. *Rule becomes effective within 60 days of publication. Rule expected to be published sometime in May 2023.
	CSAPR Update Rule - Group 3 <u>(17)</u>	4/30/2021	5/1/2021	All fossil units	Allowances (In-Sys.; Trading). Focuses on attainment with 2008 ozone standards. All units in compliance.

Constituent		Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
PM _{2.5}		2012 PM 2.5 NAAQs reconsideration	exp. spring 2023		All fossil units	In January, the EPA published a proposed rule resulting from its reconsideration of the primary (health-based) NAAQS for particulate matter ("PM NAAQS"). The EPA is proposing to lower the primary annual PM _{2.5} NAAQS from 12.0 ug/m ³ to a level that would fall between 9.0 and 10.0 ug/m ³ , while soliciting comment on an alternative annual PM _{2.5} standard within the range of 8.0 to 11.0 ug/m ³ . The EPA is proposing to retain the other PM NAAQs at their current levels, including the secondary 24-hour PM _{2.5} NAAQS. According to the EPA's unified agenda, a final rule is expected in third quarter of 2023
		NSR Permitting for Greenhouse Gases ("GHGs")	5/2010	2011	New/modified fossil units	GHG BACT (On the EPA's unified agenda to revise)
		EGU NSPS (New) (4) (Section 111(b) Subpart TTTT) Proposed revision	Final exp. Q2 2024		New fossil units New units (on/after 12/20/2018)	Build Gas CC or Install CCS 2018 Proposed revision (never finalized): retained the 1,000 lbs/CO ₂ /MWh limit for new gas CC. Draft expected Q1 2023. The EPA is likely to tighten the limit and require controls on new gas units.
		EGU NSPS (Modified and Reconstructed) (4) Proposed revision (Subpart TTTT) (Section 111(b))	Final exp. Q2 2024		Modified & reconstructed fossil units	Will need to evaluate on a project-by-project basis (draft of rule expected Q1 2023).
		Emission Guidelines for GHG Emissions from Existing EGUs (ACE Replacement rule -- Section 111(d))	Final exp. Q2 2024		All existing fossil units	Proposed rule in spring 2023 and final rule expected in spring 2024.

Constituent	Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
CO ₂	Virginia CO ₂ Budget Trading Rule (RGGI) (12)(5)(16)(20)	Aug-20		Existing and new fossil units $\geq$ 25 MW; biomass units exempt; biomass emissions from units that co-fire with biomass.	Virginia joined the Regional Greenhouse Gas Initiative ("RGGI") as a direct participant on January 1, 2021 Revenue from the auctions for allowances is returned to the state. Compliance with renewables, new gas, possible unit retirements, and allowance purchases (if applicable). In accordance with the announcement from the acting Secretary of Natural and Historic Resources, Virginia is planning to exit RGGI on December 31, 2023. The period to comment on the repeal rule to exit RGGI ended March 3, 2023.
	Social Cost of Carbon	Jan 2021	Feb 2022	All new/existing coal	Interim social cost of greenhouse gases in effect for federal agencies.
	Efforts to establish GHG NAAQs	Uncertain		All existing/new fossil units	AGs from Oregon, Minnesota, Delaware, Guam, Iowa, Maine, Michigan, and New Mexico signed letter to the EPA supporting GHG NAAQs. While AGs from West Virginia and Kentucky pushed back calling GHG NAAQs "the wrong approach – politically and practically."
	Federal CO ₂ Program (Alternative Federal Legislation)	Uncertain	2026	Existing fossil units	Expected price for CO ₂ .
	The Commonwealth Clean Energy Policy (guidance document only)	7/1/2020	2020 - 2045	Existing and new fossil units	Sets a goal for Virginia to reach net zero emissions by 2045 and additionally states that by 2040 Virginia will have a net zero carbon energy economy. Developing energy resources necessary to produce 30 percent of Virginia's electricity from renewable energy sources by 2030 and 100 percent from Virginia's electricity from carbon-free sources by 2040.
	Virginia Energy Plan (guidance document only)	10/2022	2022 - 2026	Existing and new fossil units, renewables	Encourages investments in hydrogen, carbon capture, and small modular reactors ("SMRs"). The VCEA is to be evaluated based on the latest technology in 2023 and every five years thereafter. Restoring discretion to the SCC concerning plant retirement timelines and authority to defer RPS requirements.
	Federal and state vehicle emission standards	12/1/2021	2023-beyond	Existing and new fossil units	Federal and state rules regulating GHG emissions and low emission vehicle and zero emission vehicle standards. "Electrification" could indirectly impact unit operations

Constituent	Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
	Virginia Clean Economy Act (18)(22)	7/1/2020	2020 - 2045	Existing and new fossil units	The VCEA establishes a mandatory renewable energy portfolio standard in Virginia. There are mandates for significant developments of renewable energy and energy storage resources, as well as retirement of existing carbon-emitting resources. Includes mandatory retirement of certain fossil-generating units (Chesterfield Units 5 & 6 and Yorktown 3 by 2024) and shutting down all remaining fossil generating units by 2045. Allows the utility to petition for relief from these provisions if electric reliability or security is at risk.
	North Carolina – Clean Energy Plan	Uncertain	Uncertain	RM	North Carolina's Clean Energy Plan sets an electric power sector goal of 70% GHG reduction by 2030 (using a 2005 baseline), and a carbon neutrality goal by 2050. The plan fosters long-term energy affordability and price stability for North Carolina's residents and businesses by modernizing regulatory and planning processes and accelerates clean energy innovation, development, and deployment to create economic opportunities for both rural and urban areas of the state. *North Carolina still uncertain about joining RGGI (possible earliest date to join is January 2024).
	New Proposed Federal Vehicle Emission Standards	Uncertain	2027	All EGUs (indirectly)	In April 2023, the EPA proposed new vehicle standards for light, medium, and heavy-duty vehicles for model year 2027 and beyond. The EPA's proposal increases the stringency of the standard year-over-year on a phase-in approach. This proposal will affect the Company from an electrification standpoint since it will need to supply the electricity to help the transportation sector decarbonize and deploy charging infrastructure to help energize the transportation sector.
	West Virginia – Senate Bill 793	7/2020	7/2025	MS	Provides relief from B and O taxes if the Company keeps station operational until 2025. Required to pay back if facility is shut down. Can receive benefit beyond 2025, until the Company closes the plant or bill is appealed or amended.
WASTE			2020+	CEC landfill & bottom ash pond	Close landfill, bottom ash pond, & original pond due to station closure. Pond and landfill to be excavated and recycled off site. (7)
			2020+	BR North, East, and West Ash Ponds;	Close all three coal ash ponds by excavating material. East Pond and West Pond material has been excavated and consolidated in North Pond. Plan is to construct new landfill on property adjacent to North Pond, close North Pond by removal of CCR material, and place CCR material into new landfill, and close new landfill. (6)
	CCR's	4/17/2015	2020+	PP A/B/C, D and E Ponds	All five ponds to be closed. Ponds A/B/C and E have been excavated of CCR and material consolidated in Pond D. Plan is to construct new landfill adjacent to Pond D. Continuing to evaluate onsite and offsite disposal options or offsite recycling. (6)

Constituent	Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
			2020+	CH 3, 4, 5 & 6, Lower and Upper Ponds	Lower and Upper Ponds Closure through excavation of CCR material and hauling to onsite or offsite landfill for disposal or offsite for recycling. (6)
			2020	YT 1, 2	Landfill closure (due to coal unit retirements). Closure completed September 20, 2020.
			10/2018	CL 2 FGD Ponds;	Ponds retrofitted in compliance with CCR Rule and placed back into service.
			10/2018	MS Finger and Pyrite Ponds	Pond closure, retrofit, and/or rebuilding. Three of the five original ponds placed back into service in compliance with CCR Rule.
			TBD	BR, CEC, CH, CL, MS, PP, VCHEC, YT	Monitor groundwater and corrective actions, if needed.
Water 316(b)	316(b) Impingement & Entrapment 212 Thermal Discharge Biological Effects	5/19/2016	2016	BG	Rule 316(b) studies to determine compliance needs and submit design & source water body data
			2019	NA, AV	
			2020	SL, PP	Rule 316(b) studies to determine compliance needs and submit design & source water body data
			2021	GH, T	
			2022	Y13	MSD's Screens Fish Returns
			2022	GL	
			2023	NA	MSD's Screens Fish Returns
			2023	SL	
			2023/2024	GH/SL/67/3/12	Surveys Rule 316(b) demonstration update report submitted on August 25, 2020. Chesterfield's Rule 316(b) demonstration update report submitted on December 29, 2020. Fish protection pilot study conducted in 2021 may help mitigate future required measures at Chesterfield. Decision for rule 316(b) variance at John Chesterfield and Surveys will be made by the Virginia Department of Environmental Quality (VD EQ) during the permit compliance process expected 2024-2025.
			NA	GH, SL	

Constituent	Key Regulation	Final Rule	Compliance Date	Affected Units or Plants	Baseline Means of Compliance
WILDLIFE	Threatened & Endangered	Atlantic Sturgeon Endangered Species Listing	2/6/2012	CH	Incidental take permit ("ITP") issued December 2020 with 5-year permit term. ITP permit modification is in process to reflect new findings. Final modification timeline is unknown. A successful modification of the ITP will reduce the Company's operational constraints associated with risk of take. Retirement of Units 5 and 6 will reduce the Company's estimated incidental take to some extent, but Unit 6 will still need coverage for ongoing water withdrawals.
		Atlantic Sturgeon Critical Habitat Designation	2017	CH	BTA for protection of Atlantic Sturgeon to be determined by VDEQ as part of Rules 316(b) and 316(a) processes during next permit reissuance expected 2022-2023.
		Atlantic Sturgeon Critical Habitat Designation	2017	ATS CHD may be a consideration for PP, SU and CH permits.	Thermal discharge Rule 316(a) studies completed during 2020 at Chesterfield and Surry to determine compliance needs during NPDES permit reissuance. Results of studies will be considered in BTA determinations by VDEQ under Rules 316(b) and 316(a) during the next permit reissuance process.
Water	Effluent Limitation Guidelines	9/30/2015	9/30/2024	MS	Bottom ash - Closed-loop water system
	Effluent Limitation Guidelines	9/30/2015	9/30/2024	MS	Bottom ash - Closed-loop water system
	Effluent Limitation Guidelines	9/30/2015	9/30/2024	MS	Bottom ash - Closed-loop water system
WILDLIFE	Threatened & Endangered	Atlantic Sturgeon Endangered Species Listing	2/6/2012	CH	Incidental take permit ("ITP") issued December 2020 with 5-year permit term. ITP permit modification is in process to reflect new findings. Final modification timeline is unknown. A successful modification of the ITP will reduce the Company's operational constraints associated with risk of take. Retirement of Units 5 and 6 will reduce the Company's estimated incidental take to some extent, but Unit 6 will still need coverage for ongoing water withdrawals.
		Atlantic Sturgeon Critical Habitat Designation	2017	CH	BTA for protection of Atlantic Sturgeon to be determined by VDEQ as part of Rules 316(b) and 316(a) processes during next permit reissuance expected 2022-2023.
		Atlantic Sturgeon Critical Habitat Designation	2017	ATS CHD may be a consideration for PP, SU and CH permits.	Thermal discharge Rule 316(a) studies completed during 2020 at Chesterfield and Surry to determine compliance needs during NPDES permit reissuance. Results of studies will be considered in BTA determinations by VDEQ under Rules 316(b) and 316(a) during the next permit reissuance process.

Notes: Compliance assumed January 1 unless otherwise noted.

1) EPA is looking at reconsidering MATS RTR.

2) SO₂ allowances decreased by 50% in 2017. Retired units retain CSAPR allowances for 4 years. System is expected to have sufficient SO₂ allowances.

3) SO₂ NAAQS modeling submitted to VDEQ in November 2016. Modeling shows compliance with the NAAQS. The EPA has approved and issued notice indicating NAAQS attainment August 2017. In March 2019, the EPA published the final rule retaining 75 ppb 1-hr SO₂ NAAQS. No additional impacts expected.

0000015000

Appendix 5M - Tabular Results of Busbar

Capacity Factor (%)											
\$/kW-Year	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
3x1 CC Greenfield	\$ 250	\$ 282	\$ 314	\$ 346	\$ 378	\$ 410	\$ 442	\$ 474	\$ 506	\$ 538	\$ 570
2x1 CC Greenfield	\$ 281	\$ 312	\$ 343	\$ 374	\$ 405	\$ 436	\$ 468	\$ 499	\$ 530	\$ 561	\$ 592
1x1 CC Greenfield	\$ 330	\$ 369	\$ 407	\$ 446	\$ 485	\$ 524	\$ 562	\$ 601	\$ 640	\$ 678	\$ 717
CT	\$ 134	\$ 195	\$ 256	\$ 316	\$ 377	\$ 438	\$ 498	\$ 559	\$ 620	\$ 681	\$ 741
CT (Aero)	\$ 253	\$ 301	\$ 348	\$ 395	\$ 443	\$ 490	\$ 538	\$ 585	\$ 633	\$ 680	\$ 727
Nuclear SMR	\$ 1,264	\$ 1,259	\$ 1,255	\$ 1,250	\$ 1,245	\$ 1,241	\$ 1,236	\$ 1,232	\$ 1,227	\$ 1,222	\$ 1,218
Solar				\$ 124							
Distributed Solar (3 MW)				\$ 415							
Wind - On-Shore					\$ 219						
Wind - Off-Shore					\$ 287						
Battery Generic 4H (30 MW)			\$ 384								
Pump Hydro Storage (300 MW)			\$ 1,076								

Notes:

- (1) Offshore Wind has a capacity factor of 43%.
- (2) Onshore Wind has a capacity factor of 37%.
- (3) Solar has a capacity factor of 25%.
- (4) Distributed solar has a capacity factor of 24%.
- (5) Batteries and Pump Storage have a capacity factor of 15%.

Appendix 5N - Busbar Assumptions

Nominal \$	Heat Rate MMBtu/MWh	Variable Cost ⁽¹⁾		Fixed Cost ⁽²⁾		Book Life Years	2023 Real \$ ⁽³⁾ \$/kW
		\$/MWh	\$/kW-Year	\$/MWh	\$/MWh		
3x1 CC Greenfield	5.39	\$37	\$250	\$36	\$36	36	\$977
2x1 CC Greenfield	5.40	\$35	\$281	\$40	\$40	36	\$1,215
1x1 CC Greenfield	5.42	\$44	\$330	\$47	\$47	36	\$1,574
CT	8.88	\$69	\$134	\$102	\$102	36	\$1,179
CT (Aero)	8.03	\$54	\$253	\$193	\$193	36	\$2,312
Nuclear SMR	12.17	-\$5	\$1,264	\$157	\$157	60	\$10,954
Solar - Tracker	-	-\$32	\$209	\$96	\$96	35	\$2,006
Distributed Solar (3 MW)	-	-\$9	\$440	\$213	\$213	35	\$4,522
Wind - On-Shore	-	-\$32	\$331	\$101	\$101	25	\$2,356
Wind - Off-Shore	-	-\$33	\$403	\$106.26	\$106.26	30	\$3,965
Battery Generic 4H (30 MW)	-	\$50	\$296	\$225	\$225	20	\$2,863
Pump Hydro Storage (300 MW)	-	\$74	\$946	\$720	\$720	50	\$9,667

Notes:

(1) Variable costs for solar and wind includes RECs value.

(2) Fixed costs include capital expenditures, fixed O&M, federal tax credits, and gas firm transmission expenses.

(3) Values in this column represent overnight installed cost.

[illegible]

Sub-total: NC
Sub-total: VA
Sub-total: Solar

Resource Type ⁽¹⁾	Unit Name	State	C.O.D. ⁽²⁾	Build / Purchase / Contract ⁽³⁾	Life / Duration ⁽⁴⁾	Size MW ⁽⁵⁾	(ACTUAL)										(PROJECTED)											
							2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038			
Wind	Offshore CVOH (Demonstration)	VA	2021	Build	27	12	13	50	51	40	41	40	40	40	41	40	40	40	41	40	40	41	40	40				
	Offshore CVOH - Phase 1 (250MW)	VA	2027	Build	30	2,537	-	-	-	-	-	-	-	-	9,523	9,567	9,523	9,523	9,523	9,523	9,567	9,523	9,523					
	Offshore CVOH - Phase 2 (250MW)	VA	2033	Build	30	2,500	-	-	-	-	-	-	-	-	-	9,571	9,571	9,571	9,571	9,571	9,571	9,571	9,571					
	Onshore New Wind BOMAY	VA	2028	Build	25	80	-	-	-	-	-	-	-	-	283	282	282	282	283	283	282	282	282					
	Onshore New Wind 120MW	VA	2028	Build	25	120	-	-	-	-	-	-	-	-	365	364	364	364	364	365	364	364	364					
	Onshore Generic Wind (60MW)	VA	2028	Build	25	60	-	-	-	-	-	-	-	-	188	197	197	197	197	197	197	197	197					
Sub-total: NC							0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Sub-total: VA							5,459	13	50	51	40	41	40	40	9,543	10,454	10,407	10,407	10,404	10,404	10,407	10,445	10,445	10,445	10,445			
Sub-total: Wind							5,459	-	50	51	40	41	40	40	9,543	10,454	10,407	10,407	10,404	10,404	10,407	10,445	10,445	10,445	10,445			
Total Renewables: NC							315	778	681	363	625	627	625	625	625	627	625	625	625	625	627	625	625	625	625			
Total Renewables: VA							8,352	426	50	51	1,809	2,860	3,915	4,892	15,715	17,836	19,203	20,646	21,756	24,745	26,173	26,204	42,067	44,001	43,852			
Total Renewables							8,667	1,191	711	414	2,434	3,487	4,540	5,487	16,340	18,543	19,828	21,371	23,381	25,372	26,748	26,748	42,774	44,626	46,477			

(1) Per definition in Va. Code § 56-578
 (2) Commercial operation date
 (3) Company built, purchased, or converted
 (4) Expected life of facility or duration of purchase contract
 (5) Net summer capacity for hydro; net capacity for solar and wind

Appendix 5P – Potential Supply- Side Resources for Plan B

Company Name: _____

Schedule 15b

UNIT PERFORMANCE DATA

Potential Supply-Side Resources (MW)

Unit Name	Unit Type	Primary Fuel Type	C.O.D.(1)	MW Annual Firm	MW Nameplate
Solar 2027	Intermittent	Solar	2027	163	615
Solar 2028	Intermittent	Solar	2028	183	690
Generic CT	Peak	Natural Gas	2028	970	970
Onshore Wind	Intermittent	Wind	2028	31	260
Generic Battery	Storage		2028	79	90
Solar 2029	Intermittent	Solar	2029	187	705
Generic Battery	Storage		2029	105	120
Solar 2030	Intermittent	Solar	2030	203	765
Generic Battery	Storage		2030	131	150
Solar 2031	Intermittent	Solar	2031	268	1,011
Onshore Wind	Intermittent	Wind	2031	7	60
Generic Battery	Storage		2031	158	180
Solar 2032	Intermittent	Solar	2032	268	1,011
Generic Battery	Storage		2032	158	180
Solar 2033	Intermittent	Solar	2033	268	1,011
Offshore Wind	Intermittent	Wind	2033	797	2,600
Generic Battery	Storage		2033	210	240
Solar 2034	Intermittent	Solar	2034	268	1,011
Onshore Wind	Intermittent	Wind	2034	7	60
Generic Battery	Storage		2034	210	240
Nuclear	Baseload	Uranium	2034	268	268
Solar 2035	Intermittent	Solar	2035	269	1,014
Generic Battery	Storage		2035	236	270
Generic CT	Peak	Natural Gas	2035	485	485
Solar 2036	Intermittent	Solar	2036	269	1,014
Generic Battery	Storage		2036	263	300
Nuclear	Baseload	Uranium	2036	268	268
Generic CT	Peak	Natural Gas	2036	485	485
Solar 2037	Intermittent	Solar	2037	269	1,014
Onshore Wind	Intermittent	Wind	2037	7	60
Generic Battery	Storage		2037	263	300
Generic CT	Peak	Natural Gas	2037	485	485
Solar 2038	Intermittent	Solar	2038	269	1,014
Generic Battery	Storage		2038	263	300
Nuclear	Baseload	Uranium	2038	268	268
Generic CT	Peak	Natural Gas	2038	485	485

(1) Estimated commercial operation date

Appendix 5Q – Summer Capacity Position for Plan B

Virginia Electric and Power Company

Company Name:
UTILITY CAPACITY POSITION (MW)

Schedule 16

	(ACTUAL)				(PROJECTED)																	
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038			
Existing Capacity	17,279	17,200	17,185	15,116	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872	14,872			
Conventional	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable NC	-	-	-	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315			
Renewable VA	72	128	224	791	1,279	1,295	1,272	1,130	961	861	802	711	653	615	597	590	570	560	565			
Renewable	72	128	224	1,106	1,564	1,610	1,567	1,445	1,778	1,778	1,176	1,026	948	850	972	895	865	817	866			
Storage NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage VA	-	-	-	1,648	1,651	1,650	1,651	1,651	1,651	1,651	1,651	1,651	1,651	1,650	1,648	1,648	1,648	1,647	1,647			
Storage	1,608	1,680	1,809	1,648	1,651	1,650	1,651	1,651	1,651	1,651	1,651	1,651	1,651	1,650	1,648	1,648	1,648	1,647	1,647			
Total Existing Capacity	18,102	18,137	18,228	18,082	18,561	18,532	18,210	18,188	17,809	17,890	17,840	17,746	17,670	17,632	17,633	17,633	17,604	17,595	17,585			
Generation Under Construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Conventional	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total Planned Construction Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Generation Under Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Conventional	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total Planned Development Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potential (Expected) New Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Conventional	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total Potential New Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Other (PPA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Conventional	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Renewable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total Other (PPA) Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Unforced Availability	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Net Generation Capacity	18,102	18,137	18,228	18,082	18,561	18,532	18,210	18,188	17,809	17,890	17,840	17,746	17,670	17,632	17,633	17,633	17,604	17,595	17,585			
Energy Efficiency & Demand Response ⁽¹⁾	74	231	184	158	394	604	615	701	722	734	735	742	758	783	783	783	778	760	822			
Customer Choice ⁽¹⁾	-	-	-	608	644	654	648	658	648	648	648	648	648	648	648	648	648	648	650			
Net Generation & Demand-side	18,183	19,457	18,479	18,796	19,609	19,172	20,354	21,383	21,400	21,718	21,871	22,098	22,098	22,098	22,098	22,098	22,098	22,098	22,098			
Capacity Safe ⁽²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Capacity Purchase ⁽³⁾	0.8	498	-	1,243	1,018	909	1,426	644	83	488	788	1,217	1,707	1,513	1,513	1,513	1,506	1,511	1,423			
Capacity Adjustment ⁽⁴⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Capacity Requirement or PPA Capacity Obligation	20,041	19,015	18,518	19,531	19,804	19,608	21,028	21,028	21,468	21,846	22,507	23,088	23,088	23,088	23,088	23,088	23,088	23,088	23,044			
Net US&IE Capacity Position	-	-	-	11,243	11,019	10,991	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,426	11,423			

(1) Values accounted for in the load forecast.
(2) Efficiency programs are not part of the Company's calculation of capacity.
(3) Capacity purchase, and requirements are based on existing programs.
(4) 2020 and 2021 actual historical data based on measured and verified E&D results; 2022 historical data based on projections.

Appendix 5R – Capacity Position for Plan B

Virginia Electric and Power Company

Company Name:
POWER SUPPLY DATA

	(ACTUAL)				(PROJECTED)															
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
i. Capacity (MW)																				
1. Summer																				
a. Firm Capacity	19,109	19,137	19,228	18,062	18,561	18,876	18,948	20,130	21,159	21,237	21,495	21,647	21,873	22,827	23,434	24,279	25,416	26,298	27,397	
Capacity ⁽¹⁾	-	-	64	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	
b. Positive Interchange	-	-	961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Commitments ⁽²⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Capacity Sale ⁽³⁾	858	468	-	1,245	1,019	999	1,496	684	83	486	788	1,217	1,707	1,513	1,847	1,998	1,956	2,211	2,423	
d. Capacity Purchase ⁽³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Capacity Adjustment ⁽³⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Total Net Summer Capacity ⁽⁴⁾	19,966	19,605	20,254	19,531	19,804	19,898	20,668	21,038	21,466	21,946	22,507	23,088	23,803	24,563	25,504	26,501	27,596	28,732	30,044	
2. Winter																				
a. Firm Capacity	19,109	19,137	19,228	18,530	18,549	18,272	18,378	20,328	21,489	21,631	21,800	22,001	22,183	24,337	24,855	25,621	26,869	27,443	28,466	
Capacity ⁽¹⁾	-	-	64	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	
b. Positive Interchange	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Commitments ⁽²⁾	19,109	19,137	19,293	18,687	18,708	18,429	18,535	20,485	21,656	21,788	21,957	22,158	22,340	24,514	25,012	25,778	26,826	27,600	28,623	
e. Total Net Winter Capacity ⁽⁴⁾																				

(1) Net seasonal capacity.

(2) Does not include firm commitments from existing purchase power agreements and estimated solar PPAs.

(3) Capacity sale, purchase, and adjustments are used for modeling purposes.

(4) Does not include behind-the-meter generation MW.

*Demand response programs are not classified as capacity resources and are included in adjusted load (Appendix 4H)

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Appendix 5S – Construction Forecast for Plan B

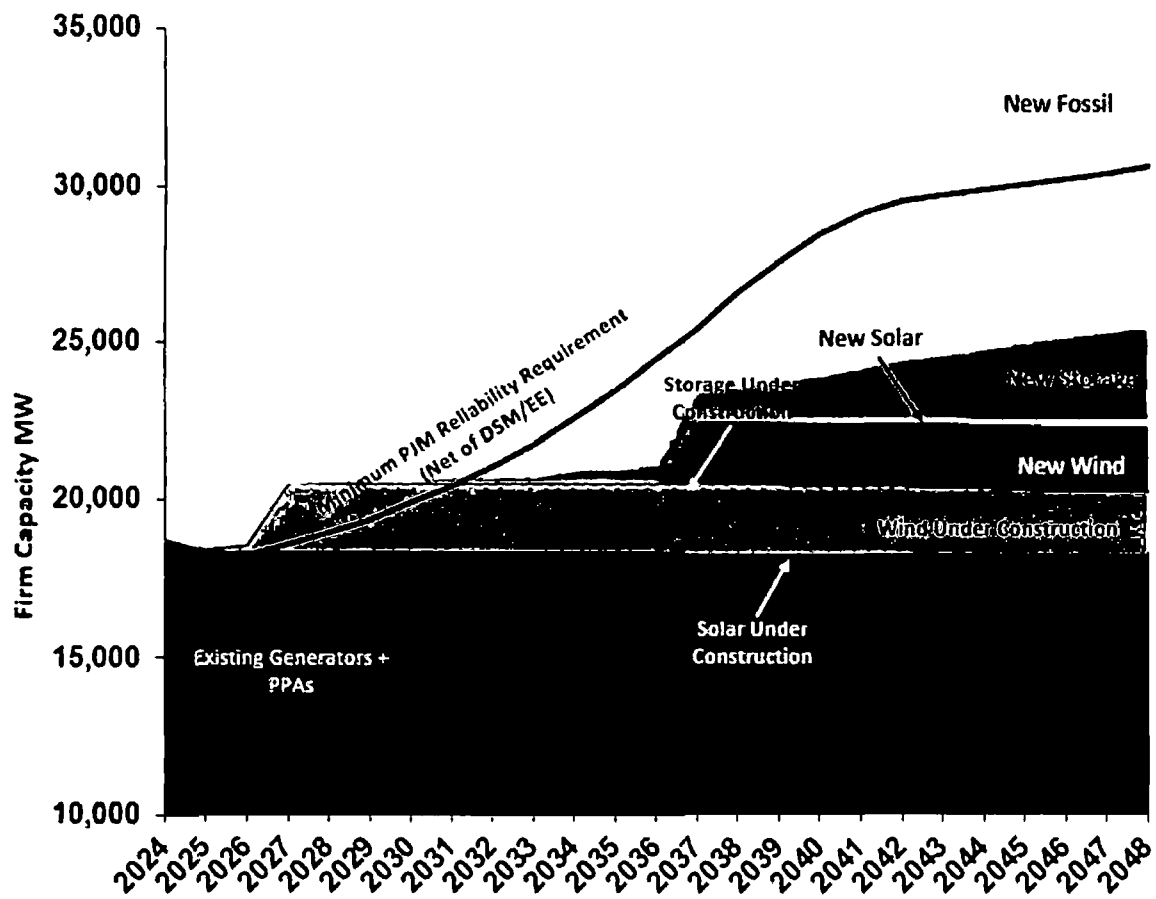
Company Name:
Virginia Electric and Power Company

Schedule 17

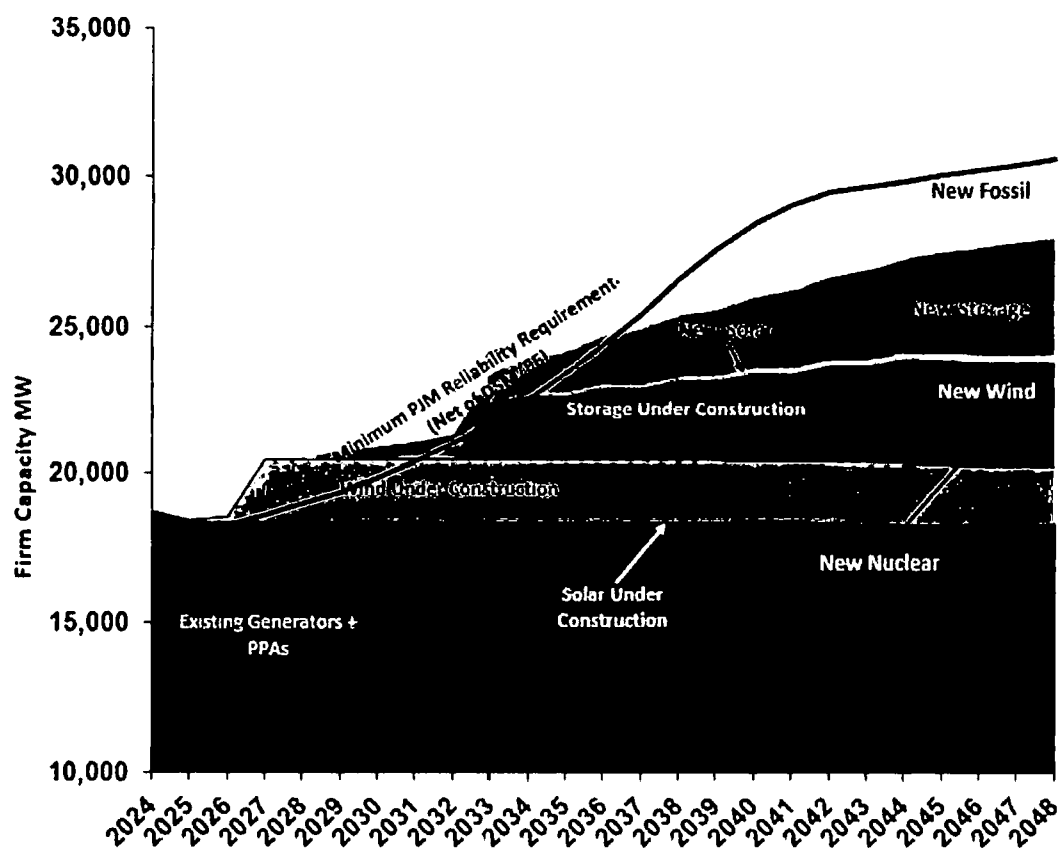
CONSTRUCTION COST FORECAST (Thousand Dollars)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
(PROJECTED)																
I. New Traditional Generating Facilities																
a. Construction Expenditures (non-AFUDC)	-	17,003	175,995	370,545	730,162	812,978	808,240	1,345,899	1,658,966	2,180,637	2,335,537	2,442,488	2,330,238	2,199,722	2,003,177	1,863,440
b. AFUDC	-	29	257	1,286	3,158	5,781	5,016	8,675	13,763	20,311	27,939	36,112	32,819	38,171	31,054	35,199
c. Annual Total	-	17,112	176,353	371,831	733,320	818,757	811,256	1,354,374	1,672,749	2,200,948	2,363,575	2,478,600	2,363,057	2,237,893	2,034,231	1,898,639
d. Cumulative Total	-	17,112	193,464	565,296	1,298,615	2,117,372	2,928,628	4,283,002	5,955,751	8,156,699	10,520,275	12,998,875	15,361,932	17,599,825	19,625,056	21,523,695
II. New Renewable Generating Facilities																
a. Construction Expenditures (non-AFUDC)	108,935	800,624	811,325	1,154,869	1,455,280	2,380,001	3,892,505	4,320,973	4,175,148	2,509,425	1,747,938	1,595,035	1,580,487	1,617,133	1,589,485	1,337,792
b. AFUDC	185	1,732	4,132	7,135	11,572	12,083	20,191	31,339	42,624	48,778	51,090	11,609	11,600	11,688	12,251	11,358
c. Annual Total	109,120	802,356	815,457	1,162,004	1,466,851	2,392,084	3,912,697	4,352,312	4,217,772	2,558,203	1,799,027	1,606,644	1,591,677	1,628,821	1,600,736	1,349,150
d. Cumulative Total	109,120	911,476	1,526,933	2,688,937	4,155,788	6,547,872	10,460,569	14,812,881	19,030,653	21,589,056	23,388,083	25,000,000	26,591,677	28,210,498	30,000,000	31,349,150
III. New Storage Facilities																
a. Construction Expenditures (non-AFUDC)	-	-	20,462	43,171	111,595	210,681	255,055	309,069	344,856	392,225	453,475	481,520	527,824	526,712	536,242	483,772
b. AFUDC	-	-	35	143	406	954	1,189	1,419	1,637	1,808	2,135	2,279	2,517	2,536	2,568	2,415
c. Annual Total	-	-	20,497	43,314	112,001	211,635	256,245	310,488	346,493	394,033	455,610	483,799	530,341	529,247	538,810	486,187
d. Cumulative Total	-	-	20,497	63,811	175,812	387,447	643,691	954,180	1,300,673	1,694,717	2,150,327	2,634,115	3,164,307	3,693,554	4,232,464	4,718,651
IV. Other Facilities																
a. Transmission	1,582	1,560	1,825	1,786	1,623	1,893	1,870	1,882	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430
b. Distribution	1,396	1,399	1,409	1,440	1,418	1,371	1,247	1,052	1,106	1,157	1,235	1,291	1,326	866	1,006	1,025
c. Energy Conservation & DR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. AFUDC	75	103	137	170	142	101	84	81	70	70	70	70	70	70	70	70
f. Annual Total	3,043	3,063	3,370	3,405	3,383	3,335	3,211	3,016	2,606	2,657	2,735	2,791	2,826	2,466	2,506	2,525
g. Cumulative Total	3,043	6,106	9,477	12,882	16,265	19,601	22,811	25,827	28,433	31,090	33,825	36,617	39,442	41,948	44,454	46,979
V. Total Construction Expenditures																
a. Annual	111,236	821,658	814,843	1,579,238	2,314,151	3,407,235	4,884,961	5,318,805	5,238,871	3,153,818	2,191,468	2,038,127	1,941,855	1,825,096	1,711,493	1,379,999
b. Cumulative	111,236	932,894	1,747,538	3,326,774	5,640,925	9,048,161	14,033,142	20,348,947	25,587,818	28,741,736	30,933,204	32,971,331	34,913,186	36,738,282	38,450,000	40,000,000
VI. % of Funds for Total Construction Provided from External Financing	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

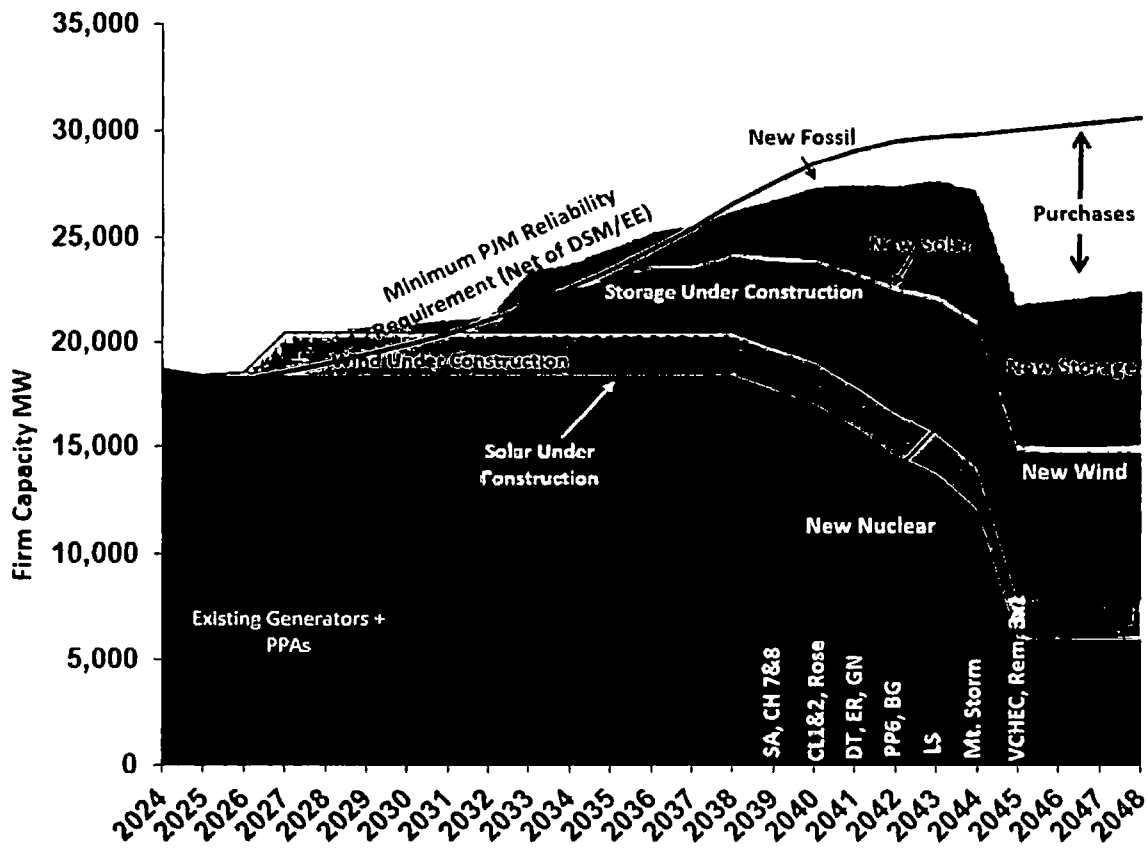
Appendix 5T: Winter Capacity Charts Plan A



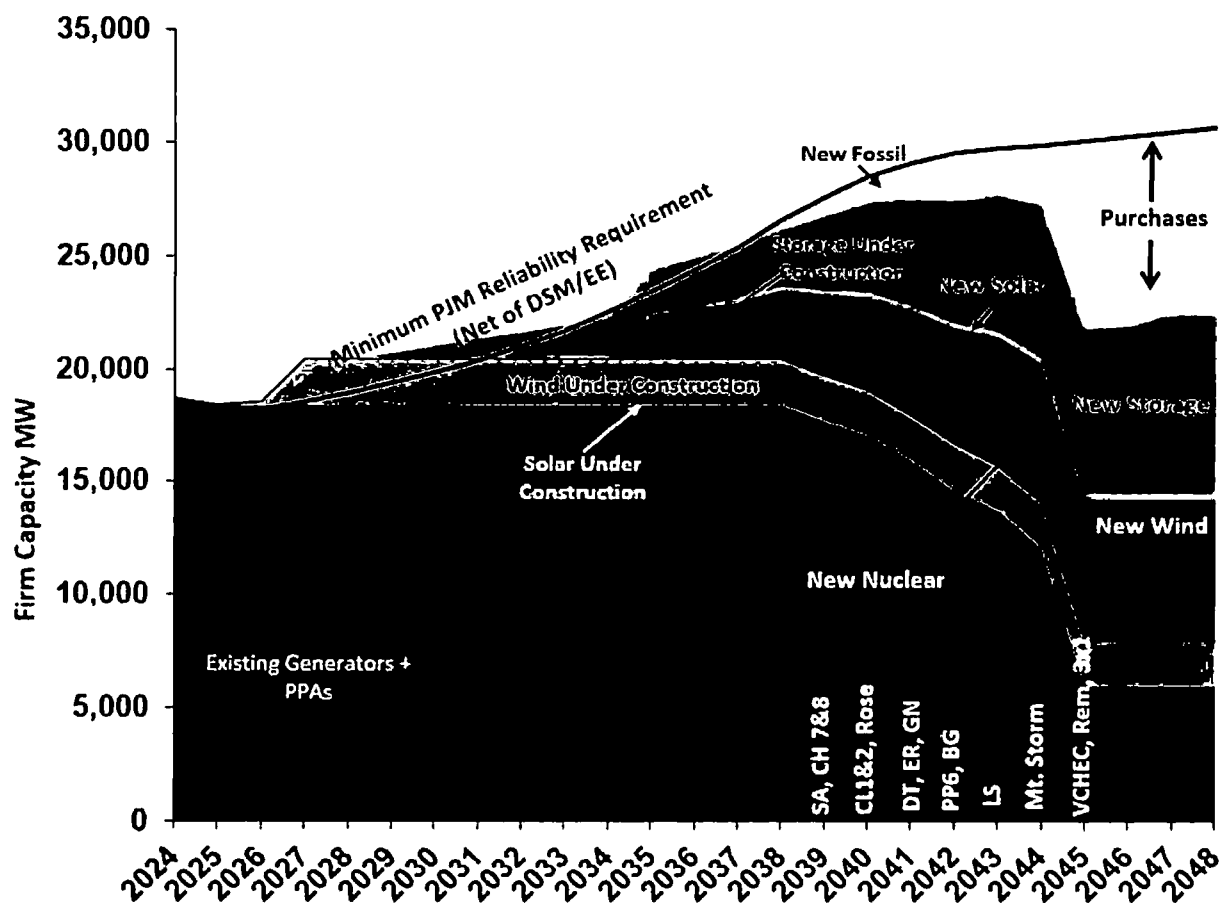
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Appendix 5T: Winter Capacity Charts Plan D



Appendix 5T: Winter Capacity Charts Plan E



Non-Residential Distributed Generation Program

Branded Name: Distributed Generation
State: Virginia
Target Class: Non-Residential

Program Description:

As part of this Program, a third-party contractor will dispatch, monitor, maintain and operate customer-owned generation when called upon by the Company at anytime for up to a total of 120 hours per year. The Company will supervise and implement the Non-Residential Distributed Generation Program through the third-party implementation contractor. Participating customers will receive an incentive in exchange for their agreement to reduce electrical load on the Company's system when called upon to do so by the Company. The incentive is based upon the amount of load curtailment delivered during control events. When not being dispatched by the Company, the generators may be used at the participants' discretion or to supply power during an outage, consistent with applicable environmental restrictions.

Program Marketing:

Marketing is handled by the Company's implementation vendor.

Residential Appliance Recycling Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides incentives to eligible residential customers to recycle specific types of qualifying freezers and refrigerators that are of specific of age and size. Appliance pick-up and proper recycling services are included.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Efficient Products Marketplace Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides eligible residential customers an incentive to purchase specific energy efficient appliances with a rebate through an online marketplace and through participating retail stores. The program offers rebates for the purchase of specific energy efficient appliances, including lighting efficiency upgrades such as A-line bulbs (prior to 2020), reflectors, decoratives, globes, retrofit kit and

fixtures, as well as other appliances such as freezers, refrigerators, clothes washers, dehumidifiers, air purifiers, clothes dryers, and dishwashers.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Home Energy Assessment Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying residential customers with an incentive to install a variety of energy saving measures following completion of a walk-through home energy assessment. The energy saving measures include replacement of existing light bulbs with LED bulbs, heat pump tune-up, duct insulation/sealing, fan motors upgrades, installation of efficient faucet aerators and showerheads, water heater turndown, replacement of electric domestic hot water with heat pump water heater, heat pump upgrades (ducted and ductless), and water heater and pipe insulation.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events. Because this program is implemented using a contractor network, customers will enroll in the program by contacting a participating contractor. The Company utilizes the contractor network to market the programs to customers as well.

Non-Residential Heating and Cooling Efficiency Program

Target Class: Non-Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying non-residential customers with incentives to implement new and upgrade existing high efficiency heating and cooling system equipment to more efficient HVAC technologies that can produce verifiable savings.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events. Because this program is implemented using a contractor network, customers will enroll in the program by contacting a participating contractor. The Company utilizes the contractor network to market the programs to customers as well.

Non-Residential Window Film Program

Target Class: Non-Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying non-residential customers with incentives to install solar reduction window film to lower their cooling bills and improve occupant comfort.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events. Because this program is implemented using a contractor network, customers will enroll in the program by contacting a participating contractor. The Company utilizes the contractor network to market the programs to customers as well.

Non-Residential Small Manufacturing Program

Target Class: Non-Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying non-residential customers with incentives for the installation of energy efficiency improvements, consisting of primarily compressed air systems measures for small manufacturing facilities.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events. Because this program is implemented using a contractor network, customers will enroll in the program by contacting a participating contractor. The Company utilizes the contractor network to market the programs to customers as well.

Non-Residential Office Program

Target Class: Non-Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying non-residential customers with incentives for the installation of energy efficiency improvements, consisting of recommissioning measures at smaller office facilities.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs,

including but not limited to: direct mail, bill inserts, web content, social media, and outreach events. Because this program is implemented using a contractor network, customers will enroll in the program by contacting a participating contractor. The Company utilizes the contractor network to market the programs to customers as well.

Residential Customer Engagement Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides educational insights into the customer's energy consumption via a Home Energy Report (on-line and/or paper version). The Home Energy report is intended to provide periodic suggestions on how to save on energy based upon analysis of the customer's energy usage. Customers can opt-out of participating in the program at any time.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Smart Thermostat Program (DR)

Target Class: Residential
VA Program Type: Demand Response
NC Program Type: Demand Response

Program Description:

All residential customers who are not already participating in the Company's DSM Phase I Smart Cooling Rewards Program and who have a qualifying smart thermostat would be offered the opportunity to enroll in the peak demand response portion of the Program. Demand Response will be called by the Company during times of peak system demand throughout the year and thermostats of participating customers would be gradually adjusted to achieve a specified amount of load reduction while maintaining reasonable customer comfort and allowing customers to opt-out of specific events if they choose to do so.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Smart Thermostat Program (EE)

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides an incentive to customers to either purchase a qualifying smart thermostat and/or enroll in an energy efficiency program, which helps customers manage their daily heating and cooling energy usage by allowing remote optimization of their thermostat operation, and provides specific recommendations by e-mail or letter that customers can act on to realize additional energy savings. The Program is open to several thermostat manufacturers, makes, and models that meet or exceed the Energy Star requirements and have communicating technology. Rebates for the purchase of a smart thermostat are provided on a one-time basis; incentives for participation in remote thermostat management are provided on an annual basis. For those customers who are enrolled in thermostat management, additional energy-saving suggestions based on operational data specific to the customer's heating and cooling system are provided to the customer at least quarterly.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Electric Vehicle (EE/DR) Program

Target Class: Residential
VA Program Type: Energy Efficiency/ Demand Response
NC Program Type: Energy Efficiency/Demand Response

Program Description:

This Program provides qualifying residential customers with an incentive to purchase a Level 2 charger for their electric vehicle and who agree to enroll in the demand response ("DR") component of the proposed program. Demand response would be called by the Company during times of peak system demand throughout the year to reduce the electric vehicle charging load while encouraging customers to charge their vehicles during off-peak hours. Customers can opt-out of specific events if they choose to do so.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Electric Vehicle Peak Shaving Program

Target Class: Residential
VA Program Type: Peak-shaving
NC Program Type: Peak-shaving

Program Description:

This Program provides an incentive for residential customers who already have a qualifying Level 2 charger and wish to participate in the demand response component only (no purchase incentive).

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Electric Vehicle (EE/DR) Program

Target Class: Residential
VA Program Type: Energy Efficiency/ Demand Response
NC Program Type: Energy Efficiency/Demand Response

Program Description:

This Program provides qualifying residential customers with an incentive to purchase a Level 2 charger for their electric vehicle and who agree to enroll in the demand response (“DR”) component of the proposed program. Demand response would be called by the Company during times of peak system demand throughout the year to reduce the electric vehicle charging load while encouraging customers to charge their vehicles during off-peak hours. Customers can opt-out of specific events if they choose to do so.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Energy Efficiency Kits Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides qualifying residential customers with customers with new customer accounts the opportunity to receive Welcome Kits. The Welcome kit will initially include a Tier 1 advanced power strip and an educational insert informing customers about opportunities to manage their energy use and how to opt into receiving additional free measures by going online to the program website or calling the program hotline. To receive the additional measures, customers will have to confirm their address and account status and answer a few questions to confirm the measures will be of value in producing electric energy savings in the home. Additionally, customers will receive educational materials on proper use of each measure, energy use in general, and energy savings available through other Company DSM programs.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Home Retrofit Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program targets high users of electricity with an incentive to conduct a comprehensive and deep whole house diagnostic home energy assessment.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential Manufactured Housing Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provide residential customers in manufactured housing with educational assistance and an incentive to install energy efficiency measures.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.

Residential New Construction Program

Target Class: Residential
VA Program Type: Energy Efficiency
NC Program Type: Energy Efficiency

Program Description:

This Program provides incentives to home builders for the construction of new homes that are ENERGY STAR certified by directly recruiting existing networks of homebuilders and Home Energy Rating System (HERS) Raters to build and inspect ENERGY STAR Certified New Homes.

Program Marketing:

The Company uses a number of marketing activities to promote its approved DSM programs, including but not limited to: direct mail, bill inserts, web content, social media, and outreach events.