

## PUBLIC VERSION

**Skiffes Creek Construction Transmission Outage Schedule and Yorktown Units 1 and 2 Emission Estimates as of October 9, 2017 (subject to change)**

Outage	Outage Time Frame	Limiting Contingency	Load Threshold	Hours over Load Threshold**	Days over load threshold **	Dominion Emissions Estimates
Redacted information is CEII	7/9/17-9/29/17	Redacted information is CEII	>18,400 MW	87	18	NOx 243.06 SO2 933.11 PM10 52.62 CO2 122,385.60 Pb 0.0100 Hg 0.0015 HCl 22.01 HF 3.56 CO 11.88
Redacted information is CEII	1/2/18 – 2/9/18	Redacted information is CEII	>18,100 MW	5	2	NOx 27.01 SO2 103.68 PM10 5.85 CO2 13,598.40 Pb 0.0011 Hg 0.0002 HCl 2.45 HF 0.40 CO 1.32
Redacted information is CEII	9/29/17-10/27/17	Redacted information is CEII	>17,000 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	10/30/17-02/16/18	Redacted information is CEII	>17,200 MW	20	6	NOx 81.02 SO2 311.04 PM10 17.54 CO2 40,795.20 Pb 0.0033 Hg 0.0005 HCl 7.34 HF 1.19 CO 3.96
Redacted information is CEII	2/5/18 – 5/4/18	Redacted information is CEII	>18,000 MW	1	1	NOx 13.50 SO2 51.84 PM10 2.92 CO2 6,799.20 Pb 0.0006 Hg 0.0001

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						HCl 1.22 HF 0.20 CO 0.66
Redacted information is CEII	10/27/17 – 10/30/17	Redacted information is CEII	1 unit > 12,000 MW  2 units > 14,000 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	2/19/18-3/31/18	Redacted information is CEII	1 unit > 14,400 MW,  2 units > 16,400 MW	4	0	NOx 13.50 SO2 51.84 PM10 2.92 CO2 6,799.20 Pb 0.0006 Hg 0.0001 HCl 1.22 HF 0.20 CO 0.66
Redacted information is CEII	4/2/18 – 4/28/18	Redacted information is CEII	>13,000 MW	2	1	NOx 13.50 SO2 51.84 PM10 2.92 CO2 6,799.20 Pb 0.0006 Hg 0.0001 HCl 1.22 HF 0.20 CO 0.66
Redacted information is CEII	4/2/18 - 4/28/18	Redacted information is CEII	>18,000 MW	0	0	
Redacted information is CEII	4/30/18 – 6/9/18	Redacted information is CEII	1 unit > 12,000 MW,  2 units > 14,000 MW	160 59	16 10	NOx 216.05 SO2 829.43 PM10 46.77 CO2 108,787.20 Pb 0.0089 Hg 0.0014 HCl 19.56 HF 3.17 CO 10.56
Redacted information is CEII	5/21/18 -9/23/18	Redacted information is CEII	>18,000 MW	88	17	NOx 229.56 SO2 881.27 PM10 49.69 CO2 115,586.40 Pb 0.0094 Hg 0.0014

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						HCl 20.79 HF 3.37 CO 11.22
Redacted information is CEII	9/16-18-11/2/18	Redacted information is CEII	1 unit > 12,000 MW 2 units > 14,000 MW	117 14	14 3	NOx 189.05 SO2 725.75 PM10 40.92 CO2 95,188.80 Pb 0.0078 Hg 0.0012 HCl 17.12 HF 2.77 CO 9.24
Redacted information is CEII	3/11/19-6/2/19	Redacted information is CEII	>17,200 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	3/11/19-3/17/19	Redacted information is CEII	>13,000 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	3/11/19-5/12/19	Redacted information is CEII	>18,100 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	3/18/19-3/24/19	Redacted information is CEII	1 unit > 14,400 MW,  2 units > 16,400MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0

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						CO 0.0
Redacted information is CEII	3/25/19-3/31/19	Redacted information is CEII	>18,000 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	4/1/19-4/7/19	Redacted information is CEII	>18,100 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
Redacted information is CEII	4/8/19-4/14/19	Redacted information is CEII	>18,100 MW	0	0	NOx 0.0 SO2 0.0 PM10 0.0 CO2 - Pb 0.0 Hg 0.0 HCl 0.0 HF 0.0 CO 0.0
			<b>Total Estimate</b>	557	89	NOx 1201.80 SO2 4613.72 PM10 260.16 CO2 605,128.80 Pb 0.0493 Hg 0.0075 HCl 108.82 HF 17.62 CO 58.75

\*Outages scheduled to complete 5/12/2019.

\*\* Estimates are for both Yorktown 1 & 2 units.

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		07-2017	08-2017	09-2017	10-2017	11-2017	12-2017	01-2018	02-2018	03-2018	04-2018	05-2018	06-2018	07-2018	08-2018	09-2018	10-2018	11-2018	12-2018
<b>Days over load threshold **</b>		9	9	0	0	0	1	6	3	0	1	11	15	8	9	13	4	0	0
<b>Hours over Load Threshold* *</b>		39	48	0	0	0	3	18	9	0	2	95	124	43	45	105	26	0	0
<b>Dominion Emission Estimates (tons)</b>	NOx	97.89	6.0	0.0	0.0	0.0	13.50	81.02	40.51	0.0	13.50	148.54	202.55	108.03	121.53	175.54	54.01	0.0	0.0
	SO2	391.87	20.8	0.0	0.0	0.0	51.84	311.04	155.51	0.0	51.84	570.23	777.59	414.72	466.56	673.91	207.36	0.0	0.0
	PM10	3.72	1.53	0.0	0.0	0.0	2.92	17.54	8.77	0.0	2.92	32.15	43.85	23.39	26.31	38.00	11.69	0.0	0.0
	CO2	49,173.9	2741.4	-	-	-	6,799.2	40,795.2	20,397.6	-	6,799.2	74,791.2	101,988	54,393.6	61,192.8	88,389.6	27,196.8	-	-
	Pb	0.0040	0.00561	0.0	0.0	0.0	0.0006	0.0033	0.0017	0.0	0.0006	0.0061	0.0083	0.0044	0.0050	0.0072	0.0022	0.0	0.0
	Hg	0.0008	0.00004	0.0	0.0	0.0	0.0001	0.0005	0.0003	0.0	0.0001	0.0009	0.0013	0.0007	0.0008	0.0011	0.0003	0.0	0.0
	HCl	11.48	0.6387	0.0	0.0	0.0	1.22	7.34	3.67	0.0	1.22	13.45	18.34	9.78	11.00	15.89	4.89	0.0	0.0
	HF	1.43	0.07984	0.0	0.0	0.0	0.20	1.19	0.59	0.0	0.20	2.18	2.97	1.58	1.78	2.57	0.79	0.0	0.0
	CO	4.78	0.26614	0.0	0.0	0.0	0.66	3.96	1.98	0.0	0.66	7.26	9.90	5.28	5.94	8.58	2.64	0.0	0.0

		01-2019	02-2019	03-2019	04-2019	05-2019
<b>Days over load threshold **</b>		0	0	0	0	0
<b>Hours over Load Threshold **</b>		0	0	0	0	0
<b>Dominion Emission Estimates (tons)</b>	NOx	0.0	0.0	0.0	0.0	0.0
	SO2	0.0	0.0	0.0	0.0	0.0
	PM10	0.0	0.0	0.0	0.0	0.0
	CO2	-	-	-	-	-
	Pb	0.0	0.0	0.0	0.0	0.0

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	Hg	0.0	0.0	0.0	0.0	0.0
	HCl	0.0	0.0	0.0	0.0	0.0
	HF	0.0	0.0	0.0	0.0	0.0
	CO	0.0	0.0	0.0	0.0	0.0

Figures highlighted in green are actual emission data for the month