

	1	2	3	4	5	6	7	8	9	10	11	12
Total Demand	826.27	796.71	772.82	756.03	701.88	705.26	694.92	675.08	721.83	753.48	776.74	805.66
Total Generation	826.27	796.71	772.82	756.03	701.88	705.26	694.92	675.08	721.82	753.48	776.74	805.65
Mismatch	0.001901744	0.003895145	0.004874	0.001258	0	0.00428927	0	0.003249	0.00357611	0.00272348	0	0.00486

	13	14	15	16	17	18	19	20	21	22	23	24
Total Demand	849.47	844.24	846.98	842.05	883.82	934.10	934.64	916.98	899.70	874.80	840.86	836.34
Total Generation	849.47	844.24	846.98	842.05	883.82	934.10	934.64	916.98	899.70	874.80	840.86	836.34
Mismatch	0.003425531	0.002776579	0.004119	0.003879	0	0	0.00426963	0.002371	0	0.00240926	0.004987	0.001153

System Demand met: PASS

Nuclear Dispatch Constraint PASS

Line Constraints Met Fail

Total Billable												
Hour	1	2	3	4	5	6	7	8	9	10	11	12
Generation	\$ 80.28	\$ 73.49	\$ 68.89	\$ 65.90	\$ 59.47	\$ 61.77	\$ 64.10	\$ 75.85	\$ 98.46	\$ 114.84	\$ 123.50	\$ 125.45
Hour	13	14	15	16	17	18	19	20	21	22	23	24
Generation	\$ 123.22	\$ 110.79	\$ 101.62	\$ 92.38	\$ 85.79	\$ 92.54	\$ 91.94	\$ 88.39	\$ 85.43	\$ 79.90	\$ 72.77	\$ 72.16

Total Cost \$ 1,012.01

Transmission Charges

Line	1	2	3	4	5	6	7	8	9	10
From Node	1	1	2	2	2	3	4	4	4	5
to Node	2	5	3	4	5	4	5	7	9	6
Overcharge Hours	2	0	0	0	6	5	3	0	6	10
Charge	\$ 20.00	\$ -	\$ -	\$ -	\$ 60.00	\$ 50.00	\$ 30.00	\$ -	\$ 60.00	\$ 100.00

Line	11	12	13	14	15	16	17	18	19	20
From Node	6	6	6	7	7	9	9	10	12	13
to Node	11	12	13	8	9	10	14	11	13	14
Overcharge Hours	0	0	0	0	0	0	0	0	0	0
Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Toal Charge \$ 320.00

Total Cost of Dispatch (\$) \$ 1,332,006

Environmental Footprints

Environmental Footprints	1	2	3	4	5	6	7	8	9	10	11	12
Environmental Footprints	173.90	157.55	149.00	132.82	94.19	101.60	94.23	67.94	71.02	65.43	73.86	92.70

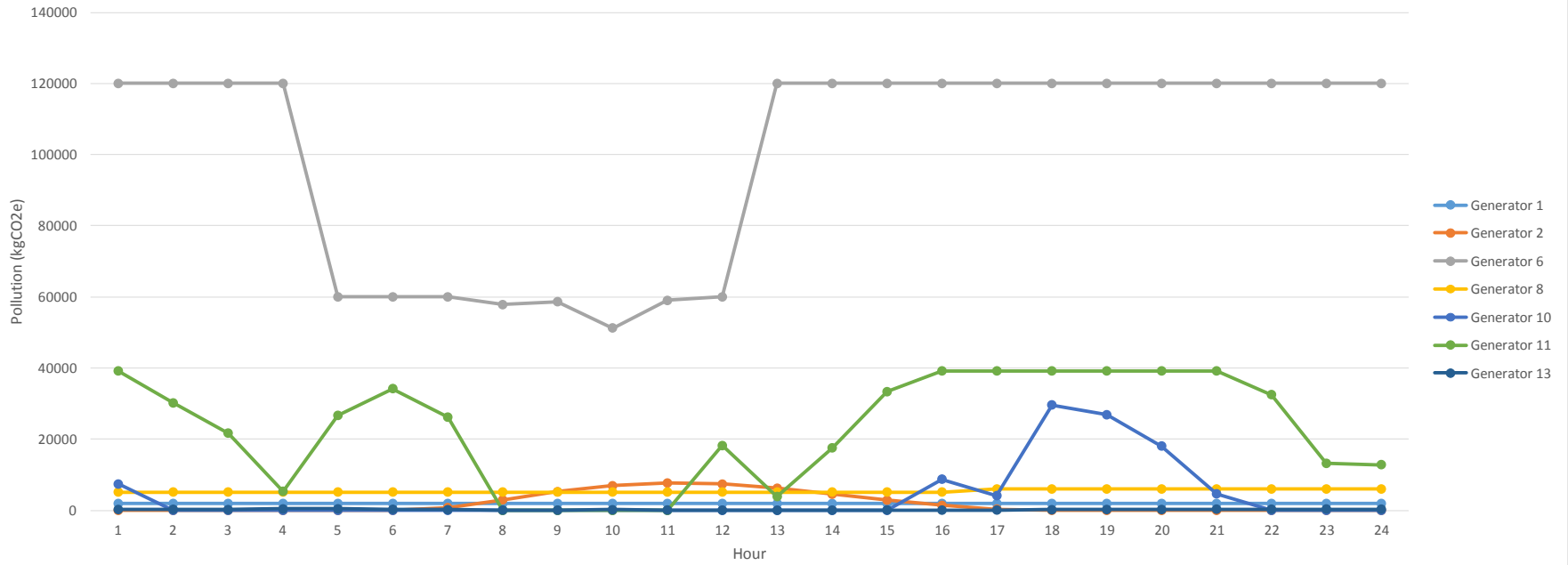
Environmental Footprints	13	14	15	16	17	18	19	20	21	22	23	24
Environmental Footprints	137.19	149.23	163.39	176.49	171.70	196.94	194.22	185.44	172.10	160.77	141.50	141.11

Total Environmental Footprints 1,274.23

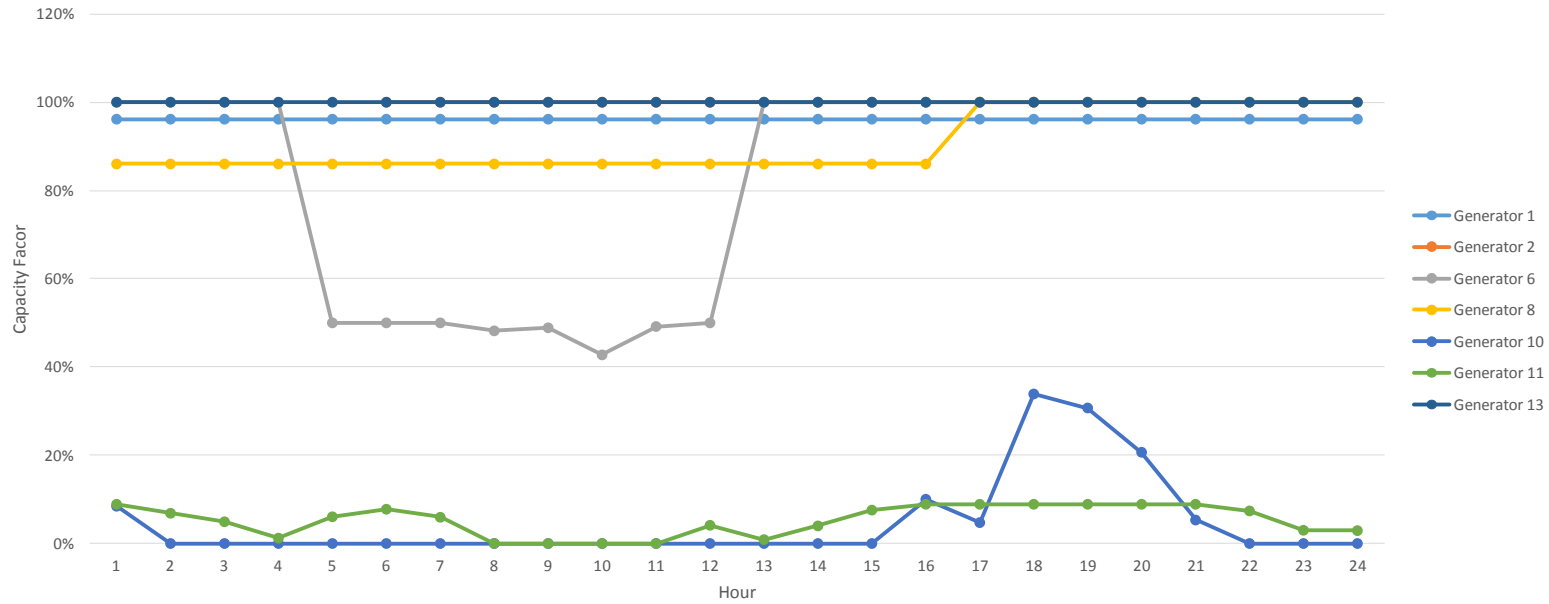
Power Flow		Power Flow													
Line	From	To	Hour	1	2	3	4	5	6	7	8	9	10	11	12
	1	1	2	80.34	78.15	76.11	74.77	71.74	71.92	69.99	59.26	56.47	53.03	52.46	56.02
	2	1	5	(0.34)	1.85	3.89	5.23	8.26	8.08	10.01	20.74	23.53	26.97	27.54	23.98
	3	2	3	181.50	174.17	167.98	163.74	159.11	159.97	165.45	162.38	187.49	201.19	210.05	216.43
	4	2	4	(51.15)	(49.18)	(48.11)	(47.17)	(51.24)	(51.42)	(47.27)	(29.20)	(18.34)	(8.74)	(4.10)	(7.60)
	5	2	5	(80.69)	(76.29)	(72.21)	(69.54)	(63.49)	(63.84)	(59.97)	(38.53)	(32.95)	(26.07)	(24.91)	(32.04)
	6	3	4	(232.65)	(223.35)	(216.10)	(210.91)	(210.35)	(211.39)	(212.73)	(191.59)	(205.83)	(209.93)	(214.15)	(224.03)
	7	4	5	(29.54)	(27.11)	(24.10)	(22.37)	(12.25)	(12.43)	(12.70)	(9.33)	(14.61)	(17.33)	(20.81)	(24.44)
	8	4	7	(292.94)	(287.39)	(283.52)	(280.57)	(284.31)	(284.95)	(284.99)	(274.42)	(274.78)	(274.83)	(275.58)	(281.37)
	9	4	9	(155.88)	(144.78)	(137.03)	(131.14)	(138.61)	(139.89)	(139.98)	(118.85)	(119.55)	(119.65)	(121.15)	(132.74)
	10	5	6	(180.80)	(168.97)	(157.56)	(150.23)	(130.14)	(131.17)	(126.79)	(92.75)	(90.74)	(86.15)	(90.12)	(107.20)
	11	6	11	(1.77)	14.36	23.66	44.87	(15.90)	(26.17)	(26.23)	4.00	4.85	4.19	6.18	(15.55)
	12	6	12	6.99	5.56	6.26	1.64	(4.75)	(1.67)	(0.19)	(0.13)	0.73	(1.62)	0.68	2.78
	13	6	13	12.37	9.56	11.02	1.81	(10.94)	(4.78)	(1.85)	(1.76) w		(4.85)	(0.29)	3.85
	14	7	8	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)	(430.00)
	15	7	9	137.06	142.61	146.48	149.43	145.69	145.05	145.01	155.58	155.22	155.17	154.42	148.63
	16	9	10	(20.00)	(2.97)	5.02	17.20	(2.08)	(7.19)	(9.00)	14.25	13.40	14.06	12.07	(3.35)
	17	9	14	(12.54)	(12.37)	(8.30)	(11.33)	(3.08)	0.04	1.49	9.65	9.23	7.84	7.14	4.65
	18	10	11	(36.23)	(33.97)	(25.98)	(13.80)	(17.58)	(22.69)	(16.75)	6.50	5.65	6.31	4.32	(11.10)
	19	12	13	5.38	4.01	4.76	0.18	(6.19)	(3.11)	(1.66)	(1.64)	(0.81)	(3.22)	(0.97)	1.06
	20	13	14	29.55	29.37	25.30	28.32	11.63	8.52	2.85	(5.35)	(4.89)	(3.49)	(2.79)	(0.29)

Line	From	To		13	14	15	16	17	18	19	20	21	22	23	24
	1	0	0	63.93	71.08	77.25	81.72	85.19	90.04	90.28	89.11	88.20	86.27	83.44	77.10
	2	0	0	16.07	8.92	2.75	(1.72)	(5.19)	(10.04)	(10.28)	(9.11)	(8.20)	(6.27)	(3.44)	2.90
	3	0	0	220.03	218.55	213.55	206.88	207.25	221.69	221.94	217.71	213.80	207.55	198.83	177.10
	4	0	0	(12.41)	(25.06)	(36.61)	(47.16)	(59.67)	(69.22)	(69.11)	(67.64)	(65.75)	(64.25)	(62.60)	(56.21)
	5	0	0	(47.85)	(62.16)	(74.51)	(83.44)	(90.38)	(100.09)	(100.55)	(98.22)	(96.40)	(92.54)	(86.88)	(74.19)
	6	0	0	(232.44)	(243.61)	(250.15)	(254.05)	(266.92)	(290.90)	(291.06)	(285.34)	(279.55)	(271.80)	(261.43)	(233.30)
	7	0	0	(35.44)	(37.09)	(37.90)	(36.28)	(30.71)	(30.87)	(31.44)	(30.58)	(30.66)	(28.29)	(24.28)	(17.99)
	8	0	0	(283.99)	(292.90)	(298.90)	(303.82)	(345.62)	(356.75)	(356.58)	(352.91)	(348.80)	(344.32)	(338.66)	(325.17)
	9	0	0	(137.98)	(155.80)	(167.80)	(177.65)	(191.25)	(213.50)	(213.16)	(205.81)	(197.60)	(188.63)	(177.32)	(150.33)
	10	0	0	(143.96)	(168.71)	(188.31)	(199.60)	(206.69)	(227.93)	(229.26)	(223.23)	(218.93)	(208.39)	(192.67)	(162.92)
	11	0	0	27.69	2.34	(16.32)	(30.19)	(31.12)	(48.42)	(45.82)	(39.81)	(29.52)	(18.67)	4.82	31.03
	12	0	0	9.45	9.65	9.34	10.19	8.14	6.83	5.52	5.52	3.53	3.42	0.84	2.02
	13	0	0	17.14	17.50	16.87	18.59	14.44	11.66	9.03	9.07	5.14	4.98	(0.12)	2.34
	14	0	0	(430.00)	(430.00)	(430.00)	(430.00)	(500.00)	(500.00)	(500.00)	(500.00)	(500.00)	(500.00)	(500.00)	(500.00)
	15	0	0	146.01	137.10	131.10	126.18	154.38	143.25	143.42	147.09	151.20	155.68	161.34	174.83
	16	0	0	0.89	(19.95)	(33.49)	(49.10)	(38.91)	(72.62)	(69.67)	(58.12)	(41.53)	(29.48)	(13.53)	15.73
	17	0	0	(7.85)	(14.06)	(18.58)	(17.64)	(13.68)	(14.62)	(17.06)	(17.27)	(21.23)	(19.35)	(17.69)	(5.62)
	18	0	0	(14.61)	(27.70)	(41.24)	(39.31)	(38.38)	(21.08)	(23.68)	(29.69)	(39.98)	(37.23)	(21.28)	(15.27)
	19	0	0	7.69	7.85	7.53	8.40	6.30	4.83	3.52	3.55	1.61	1.56	(0.96)	0.32
	20	0	0	16.44	18.44	22.95	22.00	18.04	19.00	21.45	21.66	25.61	23.72	22.06	22.61

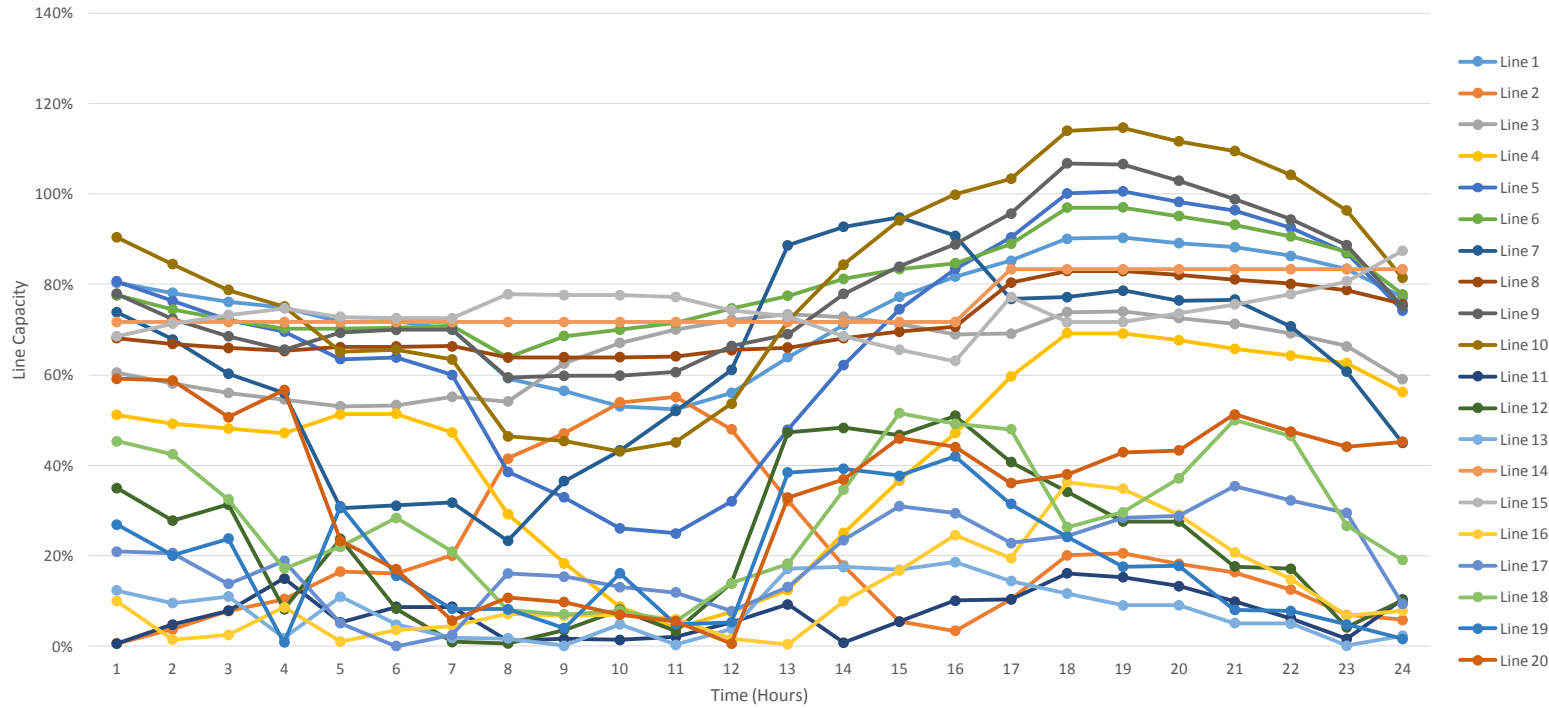
Pollution per Generator



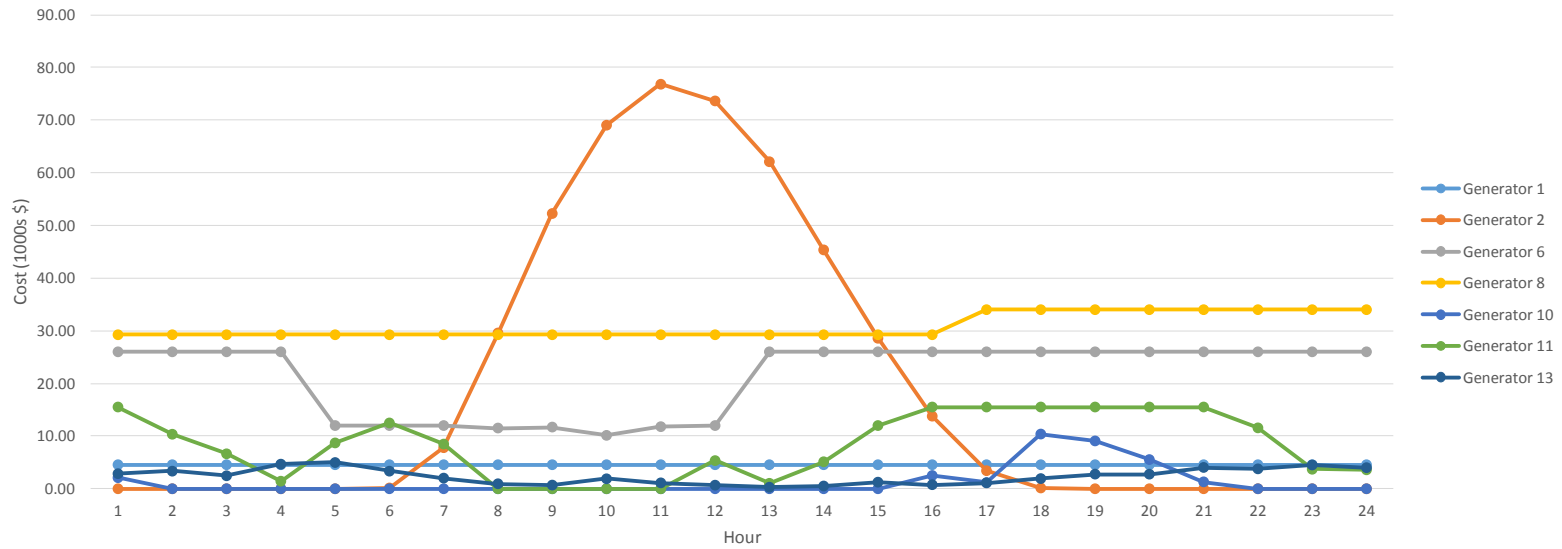
Generation Capacity Factor



Line Loading (%) vs. Time

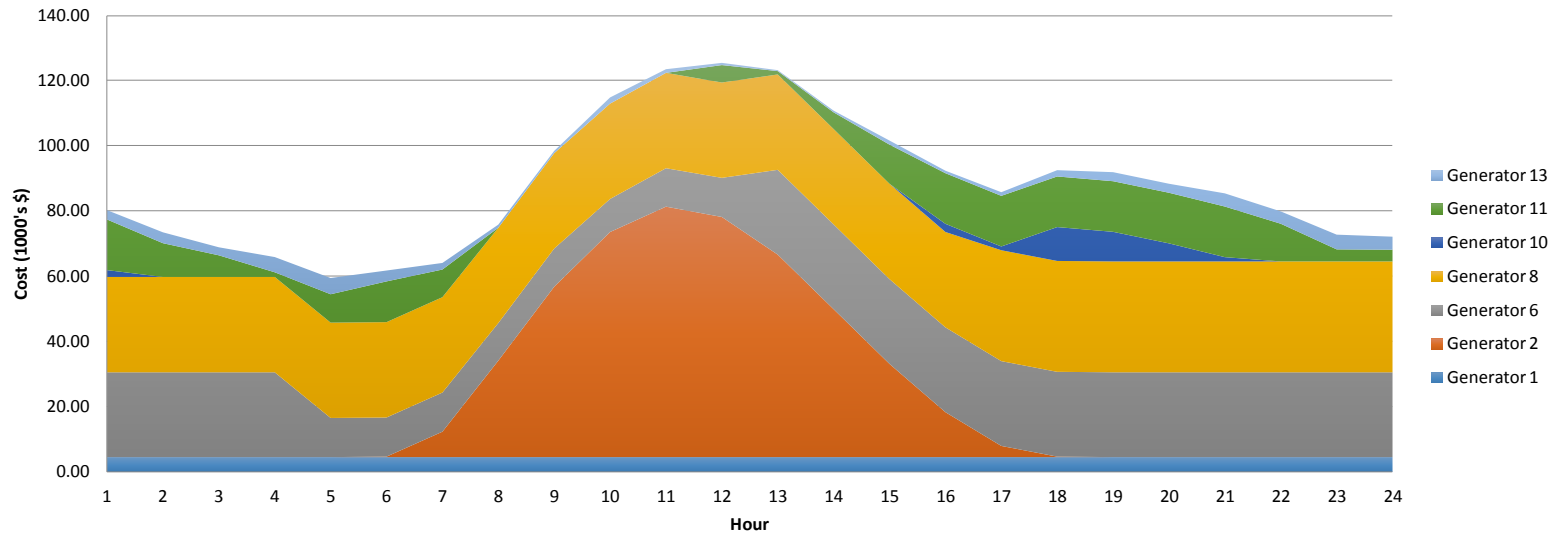


Cost per Generator





**Total Cost (1000's Dollars)**



Total Pollution (kg CO2e)

