

REGIONAL EMISSION CALCULATIONS

Emissions (lb/day)

	2008 Baseline	2008 Alt 4	2008 Alt 5	2008 Alt 9	2020 No Build	2020 Alt 4	2020 Alt 5	2020 Alt 9	2040 No Build	2040 Alt 4	2040 Alt 5	2040 Alt 9
CO2 Exhaust	57,051,890	54,185,822	54,045,450	54,091,127	87,631,280	87,885,919	87,853,255	87,906,784	125,539,130	126,057,775	126,043,848	126,150,645
Increase from 2008 Baseline		-2,866,069	-3,006,440	-2,960,763	30,579,390	30,834,029	30,801,365	30,854,894	68,487,239	69,005,884	68,991,958	69,098,755
Increase from No Build						254,639	221,975	275,504		518,645	504,719	611,515
CO2 Change from Baseline		-5%	-5%	-5%	54%	54%	54%	54%	120%	121%	121%	121%
CO2 Change from No Build						0.29%	0.25%	0.31%		0.41%	0.40%	0.49%
ROG	25,676	24,468	24,404	24,427	14,067	14,107	14,100	14,115	11,003	11,057	11,056	11,066
Increase from 2008 Baseline		-1,208	-1,272	-1,249	-11,610	-11,569	-11,576	-11,561	-14,674	-14,619	-14,620	-14,610
Increase from No Build						40	34	48		54	53	63
ROG Change from Baseline		-5%	-5%	-5%	-45%	-45%	-45%	-45%	-57%	-57%	-57%	-57%
ROG Change from No Build						0.29%	0.24%	0.34%		0.49%	0.48%	0.57%
CO	465,705	442,079	441,100	441,454	266,465	266,858	266,801	266,952	201,123	201,720	201,720	201,914
Increase from 2008 Baseline		-23,626	-24,605	-24,250	-199,240	-198,847	-198,904	-198,753	-264,582	-263,985	-263,984	-263,790
Increase from No Build						393	336	487		597	598	792
CO Change from Baseline		-5%	-5%	-5%	-43%	-43%	-43%	-43%	-57%	-57%	-57%	-57%
CO Change from No Build						0.15%	0.13%	0.18%		0.30%	0.30%	0.39%
NOx	143,299	136,292	136,049	136,165	78,654	78,935	78,902	78,930	52,130	52,327	52,323	52,365
Increase from 2008 Baseline		-7,007	-7,250	-7,134	-64,645	-64,364	-64,397	-64,368	-91,169	-90,972	-90,975	-90,934
Increase from No Build						280	248	276		197	194	235
NOx Change from Baseline		-5%	-5%	-5%	-45%	-45%	-45%	-45%	-64%	-63%	-63%	-63%
NOx Change from No Build						0.36%	0.31%	0.35%		0.38%	0.37%	0.45%
SOx	558	530	529	529	844	846	846	847	1,196	1,200	1,200	1,201
Increase from 2008 Baseline		-27	-29	-29	286	288	288	289	638	642	642	643
Increase from No Build						2	2	3		5	4	6
SOx Change from Baseline		-5%	-5%	-5%	51%	52%	52%	52%	114%	115%	115%	115%
SOx Change from No Build						0.28%	0.25%	0.33%		0.39%	0.36%	0.47%

PM10	6,878	6,526	6,511	6,516	8,675	8,695	8,692	8,697	11,582	11,623	11,623	11,633
Increase from 2008 Baseline		-351	-367	-362	1,798	1,818	1,815	1,819	4,704	4,746	4,745	4,755
Increase from No Build						20	17	22		42	41	51
PM10 Change from Baseline		-5%	-5%	-5%	26%	26%	26%	26%	68%	69%	69%	69%
PM10 Change from No Build						0.23%	0.20%	0.25%		0.36%	0.35%	0.44%
PM2.5	4,641	4,412	4,401	4,405	5,634	5,647	5,645	5,649	7,272	7,301	7,300	7,306
Increase from 2008 Baseline		-229	-240	-236	993	1,006	1,004	1,008	2,631	2,660	2,659	2,665
Increase from No Build						13	11	15		29	27	34
PM2.5 Change from Baseline		-5%	-5%	-5%	21%	22%	22%	22%	57%	57%	57%	57%
PM2.5 Change from No Build						0.23%	0.20%	0.27%		0.39%	0.37%	0.46%