

Denver SIP 2010 Emissions Sensitivity Summary.

Test	Description	Emissions (TPD)			% Anthro (%)			DV Ozone (PPB)		Grid DV Ozone(ppb)*		Grid Diff. Ozone (ppb)**	
		CO	VOC	NOx	CO	VOC	NOx	RFNO	FTCW	Max.	Min.	Max.	Min.
2006.a3	Current Year 8-Hour Ozone Design Value							85	86				
b1	2010 Base Case	-386.0	-42.2	-50.1	-10.2%	-5.3%	-5.6%	84.9	84.9				
b1-sns01	20% VOC On-Road in NAA	0.0	-22.8	0.0	0.0%	-3.0%	0.0%	-0.2	-0.1	0.1	-0.2	0.1	-0.6
b1-sns02	Evap VOC On-Road in NAA (7 psi RVP)	-46.9	-9.8	-0.3	-1.4%	-1.3%	0.0%	-0.1	-0.1	0.1	-0.1	-0.2	-0.3
b1-sns03	0% Ethanol in NAA	323.3	-3.8	-2.0	9.5%	-0.5%	-0.2%	0.1	0.0	0.4	0.0	1.3	-0.2
b1-sns04	20% VOC O&G in NAA	0.0	-48.2	0.0	0.0%	-6.4%	0.0%	0.0	-0.1	0.0	-0.4	0.0	-0.8
b1-sns04b	20% VOC & NOx Area, Point, Non-Road and O&G in NAA	0.0	-72.5	-41.3	0.0%	-9.6%	-4.9%	-0.5	-1.1	1.8	-1.4	3.2	-3.3
b1-sns04c	20% VOC & 30% NOx Area, Point, Non-Road and O&G in NAA	0.0	-72.5	-62.0	0.0%	-9.6%	-7.4%	-0.7	-1.6	2.8	-2.0	5.1	-4.7
b1-sns04d	40% VOC O&G in NAA	0.0	-96.3	0.0	0.0%	-12.7%	0.0%	-0.1	-0.2	0.1	-0.7	0.1	-1.7
b1-sns05	20% NOx Point & O&G in NAA	0.0	0.0	-20.6	0.0%	0.0%	-2.5%	-0.2	-0.5	0.3	-0.8	1.7	-2.0
b1-sns06	20% VOC Non-Road in NAA	0.0	-12.7	0.0	0.0%	-1.7%	0.0%	-0.2	-0.1	0.0	-0.2	0.0	-0.8
b1-sns07	20% VOC Area in NAA	0.0	-7.5	0.0	0.0%	-1.0%	0.0%	-0.1	-0.1	0.0	-0.1	0.0	-0.2
b1-sns08	20% NOx Point & O&G in Colorado	0.0	0.0	-78.0	0.0%	0.0%	-9.3%	-0.2	-0.6	1.1	-1.0	2.2	-2.2
b1-sns09	20% VOC O&G in Colorado	0.0	-67.2	0.0	0.0%	-8.9%	0.0%	0.0	-0.1	0.1	-0.3	0.1	-0.8
b1-sns10	20% VOC & NOx Point & O&G in CO	0.0	-77.5	-78.0	0.0%	-10.2%	-9.3%	-0.3	-0.6	0.9	-1.2	2.1	-2.7
b1-sns11	20% NOx Point & O&G in NAA + 20% NOx Pawnee	0.0	0.0	-23.0	0.0%	0.0%	-2.7%	-0.2	-0.5	0.3	-0.8	1.7	-2.0
b1-sns12a	Effects of increase in Bark Beetle infestation 2006 to 2010	-8.4	-87.8	-0.3	-0.2%	-11.6%	0.0%	0.0	-0.1	0.1	-0.1	0.1	-0.1
b1-sns12b	Effects of 2010 Bark Beetle infestation	-21.1	-233.5	-0.8	-0.6%	30.8%	-0.1%	-0.1	-0.1	0.1	-0.1	0.3	-0.3

2010 Base Case emission reductions from 2006 levels, all other emission reductions from 2010Base Cases

* Maximum difference in 2010 design value anywhere on the 4km grid.

**Maximum difference in daily maximum 8-hour ozone concentration anywhere on the 4km grid.