

Emission Inventory by %	Pinal County Housing Stagnation Day	Pinal County Housing Wind Day	Stanfield Stagnation Day	Stanfield Wind Day	Maricopa Stagnation Day	Maricopa Wind Day	
Desert Land	Added during PCH Wind Day Discussion	10%	0%	15%	0%	15%	Group Discussion
Paved Public Roads	5%	5%	10%	5%	15%	10%	Group Discussion
Dirt Public Roads	45%	25%	40%	25%	40%	30%	Group Discussion
Agriculture - Fields and Field Ac	15%	30%	15%	25%	10%	15%	Group Discussion
Agriculture - Dairies and Feedlot	10%	0%	15%	5%	5%	0%	Group Discussion
Construction	10%	5%	0%	0%	10%	5%	Group Discussion
Burning - All Types	0%	0%	5%	0%	5%	0%	Group Discussion
Background - Transport from ou	15%	25%	15%	25%	15%	25%	Group Discussion
Other - In County Emissions	0%	0%	0%	0%	0%	0%	Group Discussion
Totals	100%	100%	100%	100%	100%	100%	Group Discussion

Emission Inventory by Concentration	Pinal County Housing Stagnation Day	Pinal County Housing Wind Day	Stanfield Stagnation Day	Stanfield Wind Day	Maricopa Stagnation Day	Maricopa Wind Day	
PM10 24-hr Conc. (ug/m ³)	158 ug/m ³	188 ug/m ³	156 ug/m ³	167 ug/m ³	155 ug/m ³	330 ug/m ³	
Desert Land	Added during PCH Wind day Discussion	18.8	0.0	25.1	0.0	49.5	Group Discussion
Paved Public Roads	7.9	9.4	15.6	8.4	23.3	33.0	Group Discussion
Dirt Public Roads	71.1	47.0	62.4	41.8	62.0	99.0	Group Discussion
Agriculture - Fields and Field Activity	23.7	56.4	23.4	41.8	15.5	49.5	Group Discussion
Agriculture - Dairies and Feedlots	15.8	0.0	23.4	8.4	7.8	0.0	Group Discussion
Construction	15.8	9.4	0.0	0.0	15.5	16.5	Group Discussion
Burning - All Types	0.0	0.0	7.8	0.0	7.8	0.0	Group Discussion
Background - Transport from out of County	23.7	47.0	23.4	41.8	23.3	82.5	Group Discussion
Other - In County Emissions	0.0	0.0	0.0	0.0	0.0	0.0	Group Discussion
Totals	158.0	188.0	156.0	167.0	155.0	330.0	Group Discussion

Average Stagnation Percentages	Pinal County Housing Stagnation Day	Stanfield Stagnation Day	Maricopa Stagnation Day	AVG Stagnation Day
Desert Land	Added during PCH Wind Day Discussion	0%	0%	0%
Paved Public Roads	5%	10%	15%	10%
Dirt Public Roads	45%	40%	40%	42%
Agriculture - Fields and Field Activity	15%	15%	10%	13%
Agriculture - Dairies and Feedlots	10%	15%	5%	10%
Construction	10%	0%	10%	7%
Burning - All Types	0%	5%	5%	3%
Background - Transport from out of County	15%	15%	15%	15%
Other - In County Emissions	0%	0%	0%	0%
Totals	100%	100%	100%	100%

Average Wind Percentages	Pinal County Housing Wind Day	Stanfield Wind Day	Maricopa Wind Day	AVG Wind Day
Desert Land	10%	15%	15%	13%
Paved Public Roads	5%	5%	10%	7%
Dirt Public Roads	25%	25%	30%	27%
Agriculture - Fields and Field Activity	30%	25%	15%	23%
Agriculture - Dairies and Feedlots	0%	5%	0%	2%
Construction	5%	0%	5%	3%
Burning - All Types	0%	0%	0%	0%
Background - Transport from out of County	25%	25%	25%	25%
Other - In County Emissions	0%	0%	0%	0%
Totals	100%	100%	100%	100%

Pinal County 2006 PM10 24-hr Exceedances

Weather type	Avg. 24-hr concentration (ug/m3)	
Wind	Stagnation	
157.7	155	
164.9	155.6	
167.3	155.7	
170.8	156.7	
171.9	158.1	
173.1	158.2	
173.2	159.5	
177.6	160.6	
186.7	162.2	
187.5	162.5	
187.7	164.1	
190.4	164.3	
191.1	164.3	
194.1	164.9	
198.7	167.4	
202.5	172.8	
202.6	174.6	
203.3	175.3	
204.5	182.9	
205.9	204.6	
208.4	222.3	
218	246.5	
224.4		
237.2		
237.4		
237.5		
248.4		
250.1		
257.6		
268.7		
289.6		
294.3	208.846875	
329.1		
329.6		
336.9		
366.2		
389		
393.7		
429		
432.1	375.7	
468.8		292.3
552.4		
727.4		
762.8		
277.3	182.2	Avg

Stagnation Reductions	AVG % Contribution	Concentration	% Reduction	Projected Net Concentration	Projected Net % Contribution
		200			
Desert Land	0%	0	30%	0	0%
Paved Public Roads	10%	20	30%	14	9%
Dirt Public Roads	42%	83	30%	58	39%
Agriculture - Fields and Field Activity	13%	27	30%	19	13%
Agriculture - Dairies and Feedlots	10%	20	30%	14	9%
Construction	7%	13	30%	9	6%
Burning - All Types	3%	7	30%	5	3%
Background - Transport from out of County	15%	30	0%	30	20%
Other - In County Emissions	0%	0	0%	0	0%
Totals	100%	200		149	100%
				99%	
				% of Standard	

Wind Reductions	AVG % Contribution	Concentration	% Reduction	Projected Net Concentration	Projected Net % Contribution
		300			
Desert Land	13%	40	0%	40	13%
Paved Public Roads	7%	20	0%	20	7%
Dirt Public Roads	27%	80	0%	80	27%
Agriculture - Fields and Field Activity	23%	70	0%	70	23%
Agriculture - Dairies and Feedlots	2%	5	0%	5	2%
Construction	3%	10	0%	10	3%
Burning - All Types	0%	0	0%	0	0%
Background - Transport from out of County	25%	75	0%	75	25%
Other - In County Emissions	0%	0	0%	0	0%
Totals	100%	300		300	100%
				200%	
				% of Standard	