

Pinal County Nonattainment Area Emission Contributions and Reductions

September 17, 2013

Stagnant Day Emission Reductions

Cowtown 10/29/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>188.8</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>11.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
CAFOs	135.0	31.0
Paved Roads	5.0	1.1
Unpaved Ag Roads	11.7	2.7
Unpaved Public Roads	17.3	4.0
Other	8.2	0.0
Total	177.2	38.8

Stagnant Day Emission Reductions

Pinal County Housing 10/29/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>178.0</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>11.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
Agriculture	14.8	2.5
Unpaved Ag Roads	26.1	4.5
Unpaved Neighborhood Roads	11.6	2.0
Unpaved Private Roads	25.7	4.4
Unpaved Public Roads	85.0	14.6
Other	3.2	0.0
Total	166.5	28.0

Stagnant Day Emission Reductions

Stanfield 10/29/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>162.1</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>11.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
CAFOs	17.6	1.5
Unpaved Ag Roads	57.5	5.0
Unpaved Neighborhood Roads	4.6	0.4
Unpaved Private Roads	20.1	1.7
Unpaved Public Roads	39.6	3.4
Other	4.4	0.0
Total	150.5	12.1

High Wind Emission Reductions

Cowtown 4/27/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>168.3</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>17.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
Agriculture	68.2	12.4
CAFOs	13.7	2.5
Construction	10.1	1.8
Desert Shrubland	42.4	0.0
Developed Rural Lands	4.1	0.7
Unpaved Public Roads	4.8	0.9
Other	7.5	0.0
Total	150.8	18.3

High Wind Emission Reductions

Pinal County Housing 1/1/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>264.9</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>17.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
Agriculture	189.0	95.5
Cleared Areas	5.9	3.0
Desert Shrubland	18.1	0.0
Developed Rural Lands	7.4	3.8
Unpaved Ag Roads	16.3	8.3
Unpaved Private Roads	3.0	1.5
Unpaved Public Roads	5.7	2.9
Other	2.0	0.0
Total	247.4	114.9

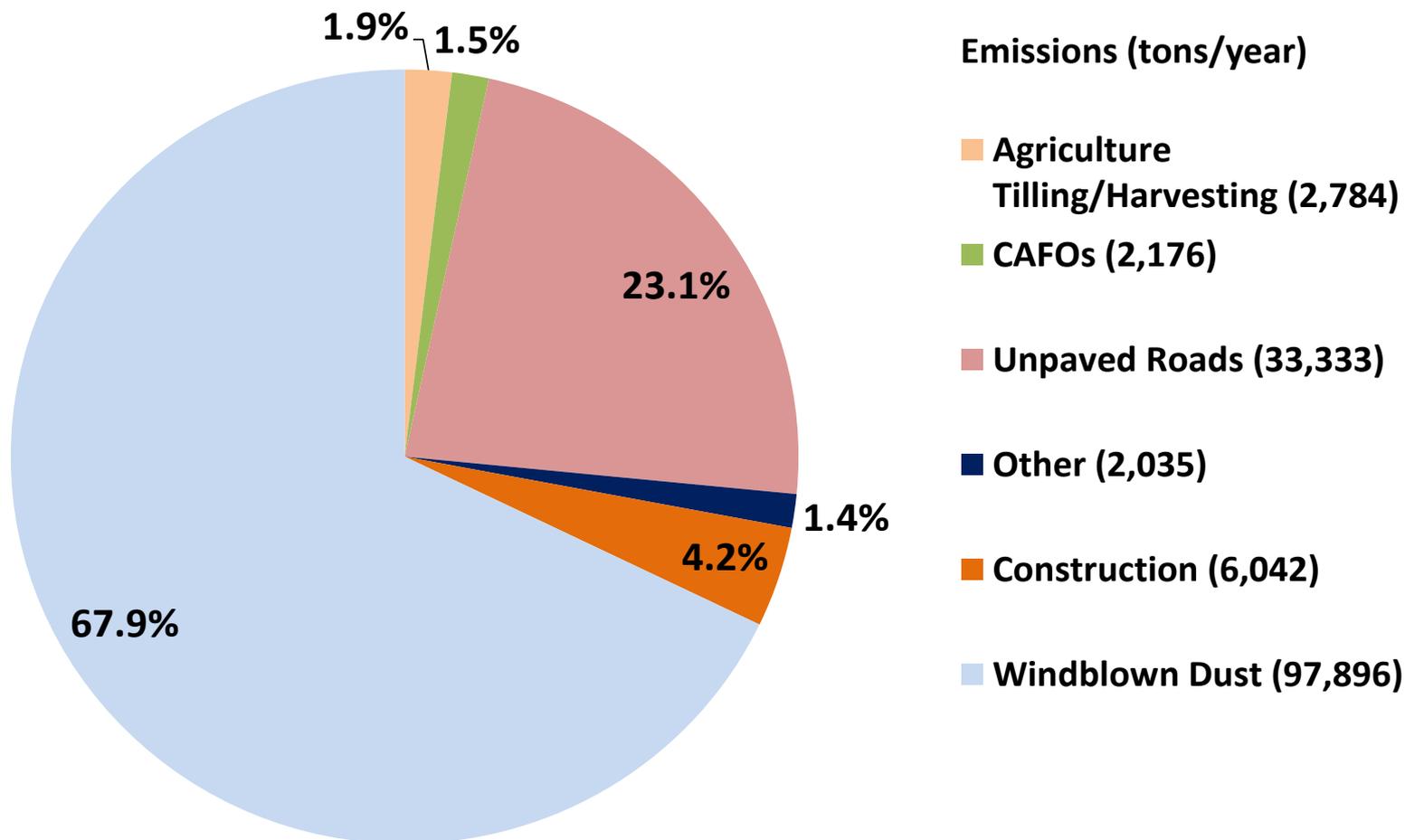
High Wind Emission Reductions

Stanfield 11/21/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>178.6</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>17.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
Agriculture	111.5	22.7
CAFOs	10.5	2.1
Cleared Area	3.1	0.6
Desert Shrubland	18.7	0.0
Unpaved Ag Roads	6.0	1.2
Unpaved Private Roads	4.5	0.9
Unpaved Public Roads	4.7	1.0
Other	2.3	0.0
Total	161.1	28.6

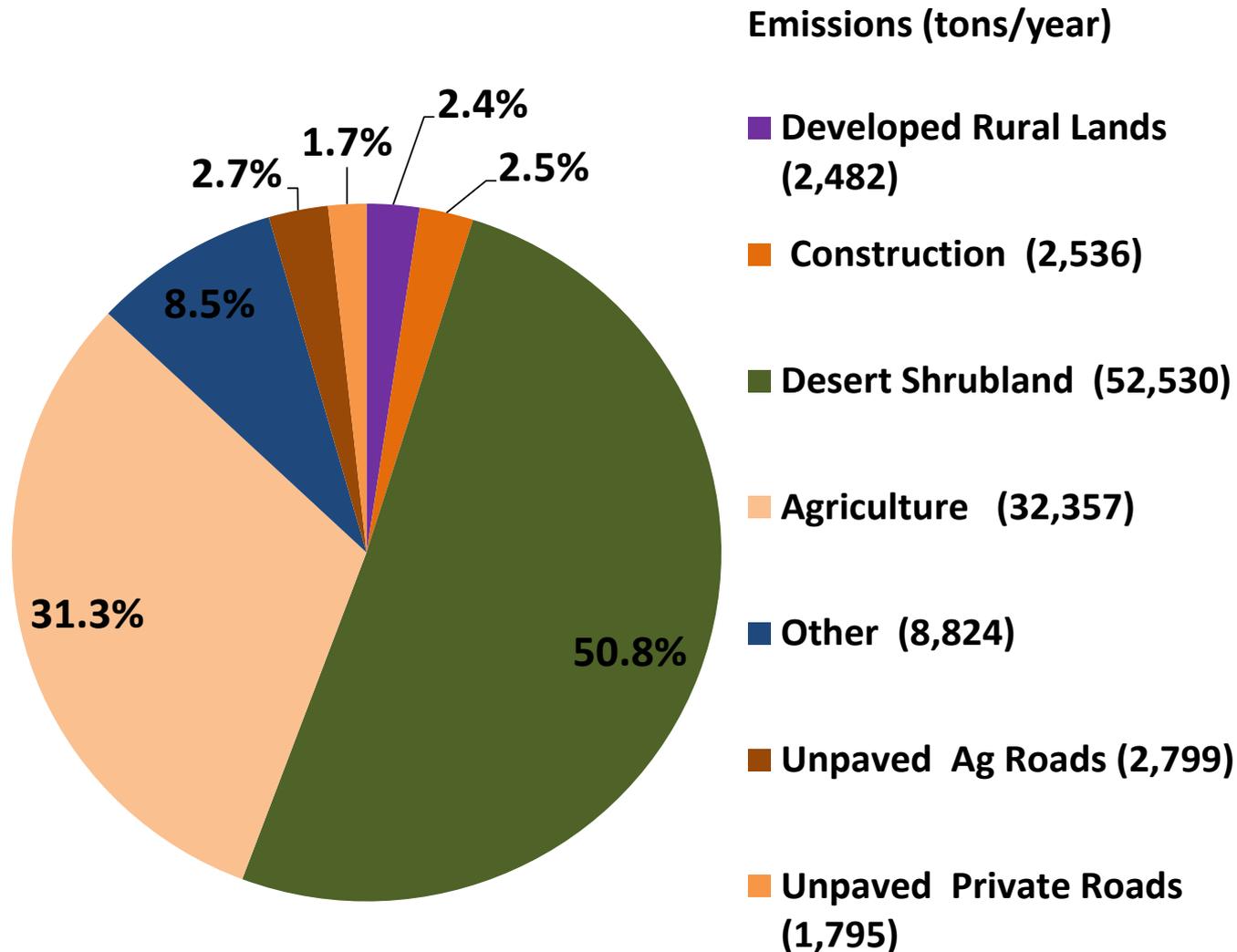
High Wind Emission Reductions

Maricopa 10/27/2008		
<i>24-Hour Average PM10 Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>159.4</i>
<i>Nonanthropogenic Background Conc [$\mu\text{g}/\text{m}^3$]</i>		<i>17.5</i>
Source Category	Contribution [$\mu\text{g}/\text{m}^3$]	Emission Reduction [$\mu\text{g}/\text{m}^3$]
Agriculture	31.1	2.3
Cleared Area	21.6	1.6
Construction	54.2	4.0
Desert Shrubland	12.1	0.0
Developed Rural Lands	8.4	0.6
Developed Urban Lands	8.8	0.7
Unpaved Ag Roads	2.6	0.2
Other	3.3	0.0
Total	141.9	9.4

2008 Nonattainment Area Annual Inventory Contributions



2008 Nonattainment Area Annual Windblown Inventory Contributions



Nonattainment Area Annual Unpaved Road Inventory Contributions

