

## Fine Particle Concentrations Based on Monitored Air Quality from 2009 - 2011

EPA will not decide who needs to improve air quality to meet the standard until 2014 at the earliest. States will have until 2020-2025 to meet the standard.

doesn't meet an annual primary fine particle standard of 12.0  $\mu\text{g}/\text{m}^3$

State	County	2009-2011 Annual Design Value ( $\mu\text{g}/\text{m}^3$ )	Currently in PM <sub>2.5</sub> Nonattainment Area
Alabama	Clay	10.1	
Alabama	Colbert	10.0	
Alabama	DeKalb	10.8	
Alabama	Etowah	11.1	
Alabama	Houston	10.0	
Alabama	Jefferson	12.9	Yes
Alabama	Madison	11.0	
Alabama	Mobile	9.8	
Alabama	Montgomery	10.9	
Alabama	Morgan	10.6	
Alabama	Russell	12.2	No
Alabama	Tuscaloosa	10.6	
Alabama	Walker	10.8	
Alaska	Anchorage	6.2	
Alaska	Fairbanks North Star	13.4	Yes
Alaska	Juneau	7.6	
Arizona	Cochise	7.0	
Arizona	Coconino	5.9	
Arizona	Maricopa	9.9	
Arizona	Pima	5.4	
Arizona	Pinal	9.3	
Arizona	Santa Cruz	11.1	
Arizona	Yavapai	4.3	
Arkansas	Arkansas	10.7	
Arkansas	Ashley	10.6	
Arkansas	Crittenden	11.1	
Arkansas	Faulkner	10.8	
Arkansas	Garland	10.8	
Arkansas	Jackson	10.2	
Arkansas	Phillips	10.7	
Arkansas	Polk	10.8	
Arkansas	Pope	11.3	
Arkansas	Pulaski	12.1	No
Arkansas	Union	11.1	

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Arkansas	Washington	11.0	
Arkansas	White	11.3	
California	Alameda	9.0	
California	Butte	10.1	
California	Calaveras	7.3	
California	Colusa	6.3	
California	Contra Costa	7.8	
California	Fresno	17.0	Yes
California	Humboldt	6.4	
California	Imperial	14.0	Yes
California	Inyo	7.3	
California	Kern	18.2	Yes
California	Kings	16.2	Yes
California	Lake	3.3	
California	Los Angeles	13.9	Yes
California	Mendocino	8.6	
California	Merced	18.2	Yes
California	Monterey	6.1	
California	Nevada	6.0	
California	Orange	11.2	
California	Placer	7.9	
California	Plumas	10.3	
California	Riverside	16.2	Yes
California	Sacramento	10.0	
California	San Benito	5.6	
California	San Bernardino	13.7	Yes
California	San Diego	11.8	
California	San Francisco	9.9	
California	San Joaquin	11.1	
California	San Luis Obispo	7.7	
California	Santa Barbara	9.9	
California	Santa Clara	9.6	
California	Santa Cruz	6.2	
California	Shasta	5.3	
California	Siskiyou	5.1	
California	Solano	9.1	
California	Sonoma	8.0	
California	Stanislaus	15.3	Yes
California	Sutter	7.3	
California	Tulare	15.2	Yes
California	Ventura	9.3	
California	Yolo	6.9	

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Colorado	Adams	8.1	
Colorado	Arapahoe	6.3	
Colorado	Boulder	6.9	
Colorado	Denver	7.6	
Colorado	Douglas	5.7	
Colorado	El Paso	5.9	
Colorado	Larimer	6.3	
Colorado	Mesa	8.6	
Colorado	Montezuma	6.3	
Colorado	Weld	7.5	
Connecticut	Fairfield	9.4	
Connecticut	Hartford	9.0	
Connecticut	Litchfield	5.7	
Connecticut	New Haven	9.6	
Connecticut	New London	8.4	
Delaware	Kent	9.4	
Delaware	New Castle	10.7	
Delaware	Sussex	9.4	
District Of Columbia	District of Columbia	10.6	
Florida	Alachua	7.7	
Florida	Brevard	6.6	
Florida	Broward	6.8	
Florida	Citrus	7.3	
Florida	Duval	8.4	
Florida	Escambia	9.0	
Florida	Hillsborough	7.8	
Florida	Lee	6.9	
Florida	Leon	9.9	
Florida	Miami-Dade	7.5	
Florida	Orange	7.3	
Florida	Palm Beach	6.3	
Florida	Pinellas	7.7	
Florida	Polk	7.5	
Florida	Sarasota	6.8	
Florida	Seminole	7.5	
Georgia	Bibb	13.4	Yes
Georgia	Chatham	10.7	
Georgia	Clarke	10.8	
Georgia	Clayton	12.6	Yes
Georgia	DeKalb	11.9	
Georgia	Dougherty	12.1	No
Georgia	Floyd	12.4	Yes

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Georgia	Fulton	13.2	Yes
Georgia	Hall	10.7	
Georgia	Muscogee	12.7	No
Georgia	Richmond	12.1	No
Georgia	Walker	10.1	
Georgia	Wilkinson	13.1	No
Hawaii	Hawaii	15.5	No
Hawaii	Honolulu	8.6	
Hawaii	Maui	4.9	
Idaho	Ada	6.1	
Idaho	Bannock	5.2	
Idaho	Benewah	9.0	
Idaho	Canyon	7.4	
Idaho	Shoshone	12.0	
Illinois	Adams	9.7	
Illinois	Champaign	10.4	
Illinois	Cook	12.7	Yes
Illinois	DuPage	10.7	
Illinois	Hamilton	10.5	
Illinois	Jersey	10.5	
Illinois	Kane	10.8	
Illinois	Macon	11.6	
Illinois	Madison	13.5	Yes
Illinois	McHenry	10.0	
Illinois	McLean	10.5	
Illinois	Peoria	11.3	
Illinois	Randolph	9.8	
Illinois	Rock Island	9.8	
Illinois	Saint Clair	12.5	Yes
Illinois	Sangamon	10.9	
Illinois	Will	10.8	
Illinois	Winnebago	9.9	
Indiana	Allen	11.0	
Indiana	Clark	13.5	Yes
Indiana	Dubois	12.9	No
Indiana	Elkhart	11.7	
Indiana	Floyd	12.3	Yes
Indiana	Gibson	11.4	
Indiana	Henry	11.1	
Indiana	Howard	11.6	
Indiana	Knox	11.7	
Indiana	Lake	12.4	No

State	County	2009-2011 Annual Design Value ( $\mu\text{g}/\text{m}^3$ )	Currently in PM <sub>2.5</sub> Nonattainment Area
Indiana	LaPorte	10.2	
Indiana	Marion	13.1	Yes
Indiana	Porter	11.1	
Indiana	Spencer	12.4	No
Indiana	St. Joseph	11.0	
Indiana	Tippecanoe	11.0	
Indiana	Vanderburgh	12.7	No
Indiana	Vigo	12.4	No
Iowa	Black Hawk	10.6	
Iowa	Clinton	11.7	
Iowa	Johnson	10.8	
Iowa	Lee	11.1	
Iowa	Linn	10.6	
Iowa	Montgomery	9.4	
Iowa	Muscatine	12.8	No
Iowa	Palo Alto	9.0	
Iowa	Polk	9.7	
Iowa	Pottawattamie	10.9	
Iowa	Scott	12.2	No
Iowa	Van Buren	9.6	
Iowa	Woodbury	9.7	
Kansas	Johnson	8.1	
Kansas	Linn	9.4	
Kansas	Sedgwick	9.1	
Kansas	Shawnee	9.2	
Kansas	Sumner	8.6	
Kansas	Wyandotte	10.4	
Kentucky	Bell	11.3	
Kentucky	Boyd	10.8	
Kentucky	Bullitt	12.2	Yes
Kentucky	Campbell	11.1	
Kentucky	Carter	9.1	
Kentucky	Daviess	12.3	No
Kentucky	Fayette	11.2	
Kentucky	Hardin	11.1	
Kentucky	Henderson	11.7	
Kentucky	Jefferson	12.8	Yes
Kentucky	Madison	9.9	
Kentucky	McCracken	11.1	
Kentucky	Pike	9.7	
Kentucky	Warren	11.0	
Louisiana	Caddo	11.1	

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Louisiana	Calcasieu	9.1	
Louisiana	East Baton Rouge	10.2	
Louisiana	Iberville	10.0	
Louisiana	Jefferson	9.2	
Louisiana	Lafayette	9.1	
Louisiana	Ouachita	9.2	
Louisiana	Rapides	8.7	
Louisiana	St. Bernard	10.6	
Louisiana	Tangipahoa	8.9	
Louisiana	Terrebonne	8.6	
Louisiana	West Baton Rouge	10.8	
Maine	Androscoggin	7.5	
Maine	Aroostook	7.1	
Maine	Cumberland	8.2	
Maine	Hancock	4.5	
Maine	Kennebec	7.3	
Maine	Oxford	8.2	
Maine	Penobscot	7.3	
Maryland	Anne Arundel	10.9	
Maryland	Baltimore	11.1	
Maryland	Baltimore (City)	10.9	
Maryland	Cecil	10.4	
Maryland	Harford	9.8	
Maryland	Montgomery	10.2	
Maryland	Prince George's	10.8	
Maryland	Washington	10.9	
Massachusetts	Berkshire	8.9	
Massachusetts	Bristol	7.9	
Massachusetts	Essex	8.2	
Massachusetts	Hampden	9.5	
Massachusetts	Middlesex	7.7	
Massachusetts	Plymouth	8.2	
Massachusetts	Suffolk	10.2	
Massachusetts	Worcester	9.0	
Michigan	Allegan	8.5	
Michigan	Bay	8.0	
Michigan	Berrien	8.8	
Michigan	Genesee	8.7	
Michigan	Ingham	8.9	
Michigan	Kalamazoo	9.4	
Michigan	Kent	9.7	
Michigan	Lenawee	9.4	

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Michigan	Macomb	9.0	
Michigan	Manistee	6.4	
Michigan	Missaukee	6.0	
Michigan	Monroe	9.9	
Michigan	Muskegon	8.5	
Michigan	Oakland	9.4	
Michigan	Ottawa	9.2	
Michigan	St. Clair	9.3	
Michigan	Washtenaw	9.6	
Michigan	Wayne	11.6	
Minnesota	Dakota	9.2	
Minnesota	Hennepin	9.5	
Minnesota	Olmsted	9.6	
Minnesota	Ramsey	10.0	
Minnesota	Saint Louis	6.6	
Minnesota	Scott	8.8	
Minnesota	Stearns	8.6	
Mississippi	DeSoto	9.9	
Mississippi	Forrest	11.6	
Mississippi	Grenada	9.4	
Mississippi	Hancock	9.8	
Mississippi	Harrison	9.6	
Mississippi	Hinds	11.1	
Mississippi	Jackson	9.5	
Mississippi	Jones	11.8	
Mississippi	Lauderdale	10.9	
Mississippi	Lee	10.9	
Missouri	Cass	10.2	
Missouri	Cedar	10.8	
Missouri	Clay	9.5	
Missouri	Greene	10.1	
Missouri	Jackson	10.7	
Missouri	Jefferson	10.4	
Missouri	St. Louis City	13.1	Yes
Montana	Missoula	7.6	
Montana	Ravalli	7.8	
Montana	Richland	6.0	
Montana	Silver Bow	9.8	
Nebraska	Douglas	9.8	
Nebraska	Hall	7.1	
Nebraska	Lancaster	8.5	
Nebraska	Washington	9.1	

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Nevada	Clark	7.7	
Nevada	Washoe	6.8	
New Hampshire	Belknap	5.8	
New Hampshire	Cheshire	9.6	
New Hampshire	Hillsborough	7.8	
New Hampshire	Merrimack	8.6	
New Jersey	Atlantic	9.2	
New Jersey	Bergen	9.2	
New Jersey	Camden	9.7	
New Jersey	Gloucester	9.3	
New Jersey	Hudson	11.1	
New Jersey	Mercer	9.7	
New Jersey	Middlesex	7.9	
New Jersey	Morris	8.5	
New Jersey	Ocean	8.6	
New Jersey	Passaic	9.3	
New Jersey	Union	11.4	
New Jersey	Warren	9.2	
New Mexico	Bernalillo	5.9	
New Mexico	Dona Ana	11.9	
New Mexico	San Juan	4.5	
New Mexico	Santa Fe	4.2	
New York	Albany	8.3	
New York	Bronx	11.9	
New York	Chautauqua	7.4	
New York	Erie	9.7	
New York	Essex	4.4	
New York	Kings	10.3	
New York	Nassau	8.9	
New York	New York	11.7	
New York	Onondaga	7.7	
New York	Orange	8.2	
New York	Queens	9.4	
New York	Richmond	9.8	
New York	Steuben	7.1	
New York	Suffolk	8.4	
New York	Westchester	9.1	
North Carolina	Alamance	10.1	
North Carolina	Buncombe	9.3	
North Carolina	Caswell	8.9	
North Carolina	Catawba	10.6	
North Carolina	Chatham	8.5	



State	County	2009-2011 Annual Design Value ( $\mu\text{g}/\text{m}^3$ )	Currently in $\text{PM}_{2.5}$ Nonattainment Area
North Carolina	Cumberland	10.3	
North Carolina	Davidson	11.1	
North Carolina	Duplin	8.9	
North Carolina	Durham	9.7	
North Carolina	Edgecombe	9.1	
North Carolina	Forsyth	10.0	
North Carolina	Gaston	10.5	
North Carolina	Guilford	9.8	
North Carolina	Haywood	10.0	
North Carolina	Jackson	9.4	
North Carolina	Johnston	9.2	
North Carolina	Lenoir	9.3	
North Carolina	Martin	8.7	
North Carolina	McDowell	9.8	
North Carolina	Mecklenburg	11.2	
North Carolina	Mitchell	9.3	
North Carolina	Montgomery	9.3	
North Carolina	Pitt	8.7	
North Carolina	Robeson	10.0	
North Carolina	Rowan	10.5	
North Carolina	Swain	9.7	
North Carolina	Wake	9.8	
North Carolina	Watauga	8.3	
North Carolina	Wayne	9.9	
North Dakota	Billings	4.3	
North Dakota	Burleigh	6.9	
North Dakota	Cass	8.1	
North Dakota	Mercer	6.3	
Ohio	Athens	9.0	
Ohio	Butler	13.0	No
Ohio	Clark	12.6	Yes
Ohio	Clermont	11.3	
Ohio	Cuyahoga	13.1	Yes
Ohio	Franklin	12.2	Yes
Ohio	Greene	12.0	
Ohio	Hamilton	13.8	No
Ohio	Jefferson	12.5	Yes
Ohio	Lake	10.1	
Ohio	Lawrence	11.4	
Ohio	Lorain	9.9	
Ohio	Lucas	11.4	
Ohio	Mahoning	11.8	

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Ohio	Montgomery	12.9	Yes
Ohio	Portage	10.9	
Ohio	Preble	11.3	
Ohio	Scioto	10.9	
Ohio	Stark	13.4	Yes
Ohio	Summit	12.6	Yes
Ohio	Warren	11.5	
Oklahoma	Oklahoma	9.5	
Oklahoma	Pittsburg	10.1	
Oklahoma	Tulsa	10.8	
Oregon	Crook	8.6	
Oregon	Jackson	8.8	
Oregon	Josephine	7.5	
Oregon	Klamath	10.7	
Oregon	Lake	9.1	
Oregon	Lane	10.0	
Oregon	Multnomah	7.4	
Oregon	Umatilla	7.4	
Oregon	Washington	7.9	
Pennsylvania	Adams	11.7	
Pennsylvania	Allegheny	15.0	Yes
Pennsylvania	Beaver	12.4	Yes
Pennsylvania	Berks	10.7	
Pennsylvania	Bucks	10.9	
Pennsylvania	Cambria	12.4	Yes
Pennsylvania	Centre	9.3	
Pennsylvania	Chester	13.7	Yes
Pennsylvania	Cumberland	11.0	
Pennsylvania	Dauphin	12.1	Yes
Pennsylvania	Delaware	12.7	Yes
Pennsylvania	Lackawanna	9.4	
Pennsylvania	Lancaster	12.0	
Pennsylvania	Mercer	10.5	
Pennsylvania	Montgomery	10.1	
Pennsylvania	Northampton	13.4	Yes
Pennsylvania	Philadelphia	11.6	
Pennsylvania	Washington	12.6	Yes
Pennsylvania	Westmoreland	13.7	Yes
Pennsylvania	York	11.5	
Rhode Island	Kent	6.4	
Rhode Island	Providence	9.4	
South Carolina	Charleston	9.2	

State	County	2009-2011 Annual Design Value ( $\mu\text{g}/\text{m}^3$ )	Currently in $\text{PM}_{2.5}$ Nonattainment Area
South Carolina	Chesterfield	9.7	
South Carolina	Edgefield	10.1	
South Carolina	Florence	10.7	
South Carolina	Greenville	11.2	
South Carolina	Lexington	11.3	
South Carolina	Richland	11.0	
South Carolina	Spartanburg	11.0	
South Dakota	Brookings	8.4	
South Dakota	Brown	8.0	
South Dakota	Codington	8.5	
South Dakota	Custer	4.5	
South Dakota	Jackson	4	
South Dakota	Minnehaha	9	
South Dakota	Pennington	5.9	
South Dakota	Union	8.8	
Tennessee	Blount	11.0	
Tennessee	Davidson	10.9	
Tennessee	Dyer	9.7	
Tennessee	Hamilton	11.2	
Tennessee	Knox	12.3	Yes
Tennessee	Lawrence	8.6	
Tennessee	Loudon	11.7	
Tennessee	Madison	9.3	
Tennessee	Maury	9.2	
Tennessee	McMinn	10.9	
Tennessee	Montgomery	10.4	
Tennessee	Putnam	9.6	
Tennessee	Roane	11.2	
Tennessee	Shelby	10.4	
Tennessee	Sullivan	10.7	
Tennessee	Sumner	10.2	
Texas	Bexar	9.3	
Texas	Bowie	11.1	
Texas	Dallas	10.7	
Texas	El Paso	9.6	
Texas	Ellis	9.7	
Texas	Harris	12.4	No
Texas	Harrison	10.6	
Texas	Hidalgo	10.5	
Texas	Nueces	10.3	
Texas	Tarrant	10.6	
Texas	Travis	10.3	

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Utah	Box Elder	8.2	
Utah	Cache	9.7	
Utah	Davis	9.2	
Utah	Salt Lake	9.7	
Utah	Tooele	6.8	
Utah	Utah	9.1	
Utah	Washington	4.2	
Utah	Weber	9.5	
Vermont	Bennington	6.9	
Vermont	Chittenden	7.3	
Vermont	Rutland	9.8	
Virginia	Albemarle	8.7	
Virginia	Bristol City	9.9	
Virginia	Charles	8.9	
Virginia	Chesterfield	9.6	
Virginia	Fairfax	9.6	
Virginia	Frederick	10.4	
Virginia	Henrico	9.6	
Virginia	Loudoun	9.5	
Virginia	Lynchburg City	8.8	
Virginia	Norfolk City	10.0	
Virginia	Page	9.3	
Virginia	Roanoke City	9.9	
Virginia	Rockingham	10.2	
Virginia	Salem City	10.0	
Virginia	Virginia Beach City	9.6	
Washington	Clark	7.7	
Washington	King	6.3	
Washington	Pierce	8.3	
Washington	Snohomish	7.9	
Washington	Yakima	8.9	
West Virginia	Berkeley	11.8	
West Virginia	Brooke	13.0	Yes
West Virginia	Cabell	12.1	Yes
West Virginia	Hancock	11.7	
West Virginia	Kanawha	12.5	Yes
West Virginia	Marion	12.1	No
West Virginia	Marshall	13.0	Yes
West Virginia	Monongalia	10.9	
West Virginia	Ohio	11.9	
West Virginia	Raleigh	9.6	
West Virginia	Wood	12.3	Yes

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Wisconsin	Ashland	5.5	
Wisconsin	Brown	10.4	
Wisconsin	Dane	10.6	
Wisconsin	Forest	6.0	
Wisconsin	Grant	10.7	
Wisconsin	Kenosha	9.7	
Wisconsin	La Crosse	9.6	
Wisconsin	Milwaukee	11.1	
Wisconsin	Outagamie	9.8	
Wisconsin	Ozaukee	9.5	
Wisconsin	Sauk	9.0	
Wisconsin	Taylor	7.9	
Wisconsin	Vilas	6.1	
Wisconsin	Waukesha	11.7	
Wyoming	Fremont	8.5	
Wyoming	Laramie	4.1	
Wyoming	Park	4.4	
Wyoming	Sheridan	8.3	
Wyoming	Sweetwater	5.6	
Wyoming	Teton	5	

*2009-2011 air quality data as of July 15, 2012*

*Comparison uses currently designated nonattainment areas for 24-hour and annual fine particle standards ( $15/35 \mu\text{g}/\text{m}^3$ .)*