

US EPA ARCHIVE DOCUMENT

Appendix F

**Annual Average PM_{2.5} Design Values for 1999-2001 and Future Year
Predicted Design Values for 2010 and 2020 Base and Control Cases**

State	County	MSA/CMSA Name	2000 Population	PM2.5 1999-2001 Ambient Design Value	PM2.5 Base case 2010 Design Value	PM2.5 Clear Skies 2010 Design Value	PM2.5 Base case 2020 Design Value	PM2.5 Clear Skies 2020 Design Value
Alabama	Clay County		14,254	15.5	14.3	13.3	13.6	11.9
Alabama	Colbert County	Florence, AL MSA	54,984	15.3	13.5	12.2	12.7	10.9
Alabama	DeKalb County		64,452	16.8	15.2	14.1	14.4	12.3
Alabama	Houston County	Dothan, AL MSA	88,787	16.3	15.2	14.2	14.8	13.1
Alabama	Jefferson County	Birmingham, AL MSA	662,047	21.6	20.1	19.0	19.2	17.4
Alabama	Madison County	Huntsville, AL MSA	276,700	15.5	14.0	12.8	13.2	11.3
Alabama	Mobile County	Mobile, AL MSA	399,843	15.3	14.5	13.6	14.4	12.9
Alabama	Montgomery County	Montgomery, AL MSA	223,510	16.8	15.7	14.7	15.3	13.6
Alabama	Morgan County	Decatur, AL MSA	111,064	19.3	17.7	16.2	16.8	14.5
Alabama	Russell County	Columbus, GA-AL MSA	49,756	18.4	17.1	15.9	16.5	14.4
Alabama	Shelby County	Birmingham, AL MSA	143,293	16.6	15.3	14.4	14.7	13.2
Alabama	Talladega County		80,321	17.8	16.4	15.5	15.8	14.2
Arizona	Coconino		116,320	7.5	7.2	7.2	7.1	7.1
Arizona	Gila		51,335	9.6	9.1	9.1	9.0	8.9
Arizona	Maricopa	Phoenix-Mesa, AZ MSA	3,072,149	11.2	10.8	10.7	10.8	10.7
Arizona	Pinal	Phoenix-Mesa, AZ MSA	179,727	8.6	8.3	8.2	8.3	8.2
Arizona	Santa Cruz		38,381	12.1	11.7	11.6	11.7	11.6
California	Alameda	San Francisco-Oakland-San Jose, CA CMSA	1,443,741	12.2	11.2	11.2	10.5	10.5
California	Butte	Chico-Paradise, CA MSA	203,171	15.4	14.0	14.0	13.3	13.3
California	Calaveras		40,554	9.4	8.4	8.4	7.8	7.8
California	Colusa		18,804	10.3	9.6	9.5	9.2	9.2
California	El Dorado	Sacramento-Yolo, CA CMSA	156,299	8.1	7.3	7.3	6.9	6.9
California	Fresno	Fresno, CA MSA	799,407	24.0	21.8	21.7	20.9	20.8
California	Humboldt		126,518	9.2	8.6	8.6	8.6	8.6
California	Imperial		142,361	15.7	13.8	13.8	13.4	13.3
California	Kern	Bakersfield, CA MSA	661,645	23.7	20.7	20.6	19.6	19.6
California	Kings		129,461	16.6	14.3	14.3	13.2	13.1
California	Los Angeles	Los Angeles-Riverside-Orange County, CA CMSA	9,519,338	25.9	23.7	23.7	23.8	23.8
California	Mendocino		86,265	8.0	7.2	7.2	6.9	6.8
California	Merced	Merced, CA MSA	210,554	18.9	16.5	16.5	15.2	15.2
California	Modoc		9,449	8.0	7.4	7.4	7.1	7.1
California	Orange	Los Angeles-Riverside-Orange County, CA CMSA	2,846,289	22.4	20.8	20.7	21.2	21.1
California	Placer	Sacramento-Yolo, CA CMSA	248,399	12.5	11.3	11.3	10.7	10.7
California	Riverside	Los Angeles-Riverside-Orange County, CA CMSA	1,545,387	29.8	28.0	27.9	27.9	27.9
California	San Bernardino	Los Angeles-Riverside-Orange County, CA CMSA	1,709,434	25.8	24.2	24.2	24.2	24.1
California	San Diego	San Diego, CA MSA	2,813,833	17.1	16.0	16.0	16.3	16.3
California	San Joaquin	Stockton-Lodi, CA MSA	563,598	16.4	14.8	14.8	13.9	13.9
California	San Luis Obispo	San Luis Obispo-Atascadero-Paso Robles, CA MSA	246,681	10.0	9.2	9.2	8.9	8.9
California	Shasta	Redding, CA MSA	163,256	10.4	9.5	9.4	9.1	9.1
California	Sonoma	San Francisco-Oakland-San Jose, CA CMSA	458,614	11.1	9.9	9.9	9.4	9.4
California	Stanislaus	Modesto, CA MSA	446,997	19.7	17.4	17.4	16.1	16.0
California	Sutter	Yuba City, CA MSA	78,930	12.9	11.9	11.9	11.3	11.3
California	Tulare	Visalia-Tulare-Porterville, CA MSA	368,021	24.7	22.2	22.2	21.2	21.2
California	Ventura	Los Angeles-Riverside-Orange County, CA CMSA	753,197	14.5	13.7	13.7	13.9	13.8
Colorado	Boulder	Denver-Boulder-Greeley, CO CMSA	291,288	9.2	8.8	8.7	8.8	8.6
Colorado	Mesa		116,255	7.3	6.8	6.7	6.7	6.5
Connecticut	Fairfield County	New Haven-Bridgeport-Stamford-Waterbury-Danbury, CT NECMA	882,567	13.6	12.5	11.7	12.1	11.0
Connecticut	New Haven County	New Haven-Bridgeport-Stamford-Waterbury-Danbury, CT NECMA	824,008	16.8	15.5	14.6	15.0	13.7
D.C.	District of Columbia	Washington-Baltimore, DC-MD-VA-WV CMSA	572,059	16.6	15.5	13.9	14.7	12.5
Delaware	Kent County	Dover, DE MSA	126,697	12.9	11.9	10.7	11.2	9.6
Delaware	New Castle County	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	500,265	16.6	15.5	14.3	14.8	13.1
Delaware	Sussex County		156,638	14.5	13.3	12.0	12.7	10.8
Florida	Alachua County	Gainesville, FL MSA	217,955	10.9	9.9	9.1	9.5	8.3
Florida	Broward County	Miami-Fort Lauderdale, FL CMSA	1,623,018	9.0	8.4	7.9	8.3	7.5
Florida	Citrus County		118,085	10.5	9.5	8.5	9.2	7.8
Florida	Escambia County	Pensacola, FL MSA	294,410	13.4	12.4	11.5	12.0	10.5
Florida	Hillsborough County	Tampa-St. Petersburg-Clearwater, FL MSA	998,948	12.6	11.0	10.4	10.7	9.6
Florida	Lee County	Fort Myers-Cape Coral, FL MSA	440,888	9.6	8.5	8.0	8.2	7.3
Florida	Leon County	Tallahassee, FL MSA	239,452	13.4	12.2	11.3	11.8	10.2
Florida	Miami-Dade County	Miami-Fort Lauderdale, FL CMSA	2,253,362	8.5	7.7	7.2	7.5	6.8

State	County	MSA/CMSA Name	2000 Population	PM2.5 1999-2001 Ambient Design Value	PM2.5 Base case 2010 Design Value	PM2.5 Clear Skies 2010 Design Value	PM2.5 Base case 2020 Design Value	PM2.5 Clear Skies 2020 Design Value
Florida	Orange County	Orlando, FL MSA	896,344	11.4	10.3	9.6	9.9	8.8
Florida	Pinellas County	Tampa-St. Petersburg-Clearwater, FL MSA	921,482	11.8	10.3	9.7	10.0	9.0
Florida	Sarasota County	Sarasota-Bradenton, FL MSA	365,196	10.5	9.2	8.6	8.9	7.9
Florida	Seminole County	Orlando, FL MSA	192,695	10.5	9.3	8.6	8.9	7.8
Florida	St. Lucie County	Fort Pierce-Port St. Lucie, FL MSA	325,957	9.6	8.5	8.0	8.2	7.3
Florida	Volusia County	Daytona Beach, FL MSA	443,343	10.6	9.5	8.8	9.1	8.0
Georgia	Bibb County	Macon, GA MSA	153,887	17.6	16.4	15.3	15.9	13.8
Georgia	Chatham County	Savannah, GA MSA	232,048	16.5	15.6	14.5	15.7	13.7
Georgia	Clarke County	Athens, GA MSA	101,489	18.6	17.1	15.8	16.1	13.5
Georgia	Clayton County	Atlanta, GA MSA	236,517	19.2	17.8	16.6	16.8	14.6
Georgia	Cobb County	Atlanta, GA MSA	607,751	18.6	16.8	15.8	15.9	13.5
Georgia	DeKalb County	Atlanta, GA MSA	665,865	19.6	18.3	17.1	17.6	15.4
Georgia	Dougherty County	Albany, GA MSA	96,065	16.6	15.7	14.7	15.4	13.4
Georgia	Floyd County		90,565	18.5	17.0	15.8	16.2	14.0
Georgia	Fulton County	Atlanta, GA MSA	816,006	21.2	19.9	18.6	19.1	16.8
Georgia	Hall County		139,277	17.2	15.7	14.4	14.7	12.3
Georgia	Muscogee County	Columbus, GA-AL MSA	186,291	18.0	16.7	15.6	16.1	14.0
Georgia	Paulding County	Atlanta, GA MSA	81,678	16.8	15.4	14.3	14.7	12.6
Georgia	Richmond County	Augusta-Aiken, GA-SC MSA	199,775	17.1	16.0	14.8	15.3	13.1
Georgia	Washington County		21,176	16.5	15.4	14.3	14.9	12.9
Georgia	Wilkinson County		10,220	17.8	16.7	15.7	16.3	14.2
Idaho	Ada	Boise City, ID MSA	300,904	9.5	8.6	8.6	8.2	8.2
Idaho	Bannock		75,565	10.0	9.3	9.2	9.1	9.0
Idaho	Canyon	Boise City, ID MSA	131,441	10.2	9.1	9.1	8.9	8.9
Idaho	Twin Falls		64,284	3.2	3.0	3.0	2.9	2.9
Illinois	Champaign County	Champaign-Urbana, IL MSA	179,669	13.8	13.0	11.8	12.3	10.7
Illinois	Cook County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	5,376,741	18.8	18.0	16.9	17.4	15.9
Illinois	DuPage County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	904,161	15.4	14.8	13.8	14.2	12.8
Illinois	Madison County	St. Louis, MO-IL MSA	260,077	17.3	16.3	15.2	15.7	14.1
Illinois	Randolph County		33,893	13.9	12.7	11.4	12.0	10.4
Illinois	Sangamon County	Springfield, IL MSA	256,082	14.2	13.1	11.9	12.4	10.9
Illinois	St. Clair County	St. Louis, MO-IL MSA	188,951	17.4	16.4	15.1	15.7	14.0
Illinois	Will County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	502,266	15.9	15.3	14.2	14.7	13.3
Indiana	Clark County	Louisville, KY-IN MSA	96,472	17.3	15.9	14.4	15.3	13.1
Indiana	Floyd County	Louisville, KY-IN MSA	70,823	15.6	14.3	12.9	13.7	11.7
Indiana	Lake County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	484,564	16.3	15.5	14.5	14.9	13.5
Indiana	Marion County	Indianapolis, IN MSA	860,454	17.0	16.0	14.4	15.1	13.2
Indiana	Porter County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	146,798	13.9	13.3	12.4	12.7	11.5
Iowa	Black Hawk County	Waterloo-Cedar Falls, IA MSA	128,012	11.7	10.7	9.9	9.9	8.9
Iowa	Clinton County		50,149	12.4	11.5	10.6	10.8	9.6
Iowa	Johnson County	Iowa City, IA MSA	111,006	11.6	10.7	9.9	10.0	8.9
Iowa	Linn County	Cedar Rapids, IA MSA	191,701	11.3	10.5	9.7	9.8	8.7
Iowa	Polk County	Des Moines, IA MSA	374,601	10.9	10.0	9.2	9.3	8.3
Iowa	Scott County	Davenport-Moline-Rock Island, IA-IL MSA	158,668	13.0	12.2	11.2	11.4	10.2
Iowa	Woodbury County	Sioux City, IA-NE MSA	103,877	10.0	9.2	8.6	8.5	7.8
Kansas	Johnson County	Kansas City, MO-KS MSA	451,086	11.8	10.8	10.1	10.2	9.2
Kansas	Linn County		9,570	11.2	10.2	9.5	9.6	8.6
Kansas	Sedgwick County	Wichita, KS MSA	452,869	11.8	10.9	10.2	10.3	9.5
Kansas	Shawnee County	Topeka, KS MSA	169,871	11.3	10.3	9.6	9.8	8.9
Kentucky	Boyd County	Huntington-Ashland, WV-KY-OH MSA	49,752	15.5	14.5	12.8	13.7	11.5
Kentucky	Bullitt County	Louisville, KY-IN MSA	61,236	16.0	14.4	12.8	13.6	11.3
Kentucky	Campbell County	Cincinnati-Hamilton, OH-KY-IN CMSA	88,616	15.5	14.3	12.8	13.5	11.5
Kentucky	Carter County	Huntington-Ashland, WV-KY-OH MSA	26,889	12.9	11.9	10.5	11.2	9.3
Kentucky	Fayette County	Lexington, KY MSA	260,512	16.8	15.3	13.6	14.5	12.1
Kentucky	Franklin County		47,687	14.5	13.2	11.7	12.5	10.4
Kentucky	Jefferson County	Louisville, KY-IN MSA	693,604	17.1	15.7	14.1	15.0	12.8
Kentucky	Kenton County	Cincinnati-Hamilton, OH-KY-IN CMSA	151,464	15.9	14.6	13.0	13.9	11.8
Kentucky	McCracken County		65,514	15.1	13.8	12.5	13.2	11.4
Kentucky	Pike County		68,736	16.1	14.9	13.2	14.1	11.7
Kentucky	Warren County		92,522	15.4	13.8	12.3	13.0	10.8
Louisiana	Caddo Parish	Shreveport-Bossier City, LA MSA	252,161	13.7	12.9	12.0	12.6	11.3
Louisiana	Calcasieu Parish	Lake Charles, LA MSA	183,577	12.7	12.4	11.8	12.3	11.4
Louisiana	East Baton Rouge Parish	Baton Rouge, LA MSA	412,852	14.6	14.0	13.4	14.3	13.2
Louisiana	Iberville Parish		33,320	13.9	13.4	12.7	13.5	12.4
Louisiana	Jefferson Parish	New Orleans, LA MSA	455,466	13.6	13.1	12.4	13.0	11.8

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Louisiana	Lafayette Parish	Lafayette, LA MSA	190,503	12.4	11.8	11.1	11.6	10.5
Louisiana	Orleans Parish	New Orleans, LA MSA	484,674	14.1	13.6	12.9	13.6	12.3
Louisiana	Ouachita Parish	Monroe, LA MSA	147,250	13.0	12.3	11.6	12.2	11.0
Louisiana	Rapides Parish	Alexandria, LA MSA	126,337	13.3	12.4	11.7	12.5	11.4
Louisiana	Tangipahoa Parish		100,588	13.5	12.6	11.9	12.4	11.1
Louisiana	West Baton Rouge Parish	Baton Rouge, LA MSA	21,601	14.1	13.6	13.0	13.8	12.7
Maine	Androscoggin County	Lewiston-Auburn, ME NECMA	103,793	10.3	9.4	8.8	9.0	8.2
Maine	Aroostook County		73,938	10.8	10.4	9.9	10.2	9.6
Maine	Cumberland County	Portland, ME NECMA	265,612	11.7	10.5	9.9	10.1	9.2
Maine	Hancock County		51,791	6.0	5.5	5.1	5.3	4.8
Maine	Kennebec County		117,114	10.0	9.0	8.5	8.7	7.9
Maine	Oxford County		54,755	10.4	9.7	9.1	9.4	8.6
Maine	Penobscot County	Bangor, ME NECMA	144,919	9.4	8.6	8.0	8.2	7.5
Maryland	Baltimore city	Washington-Baltimore, DC-MD-VA-WV CMSA	651,154	17.8	16.6	15.0	15.8	13.6
Massachusetts	Hampden County	Springfield, MA NECMA	456,228	14.1	13.0	12.2	12.5	11.4
Massachusetts	Hampshire County	Springfield, MA NECMA	152,251	9.0	8.3	7.7	7.9	7.2
Massachusetts	Worcester County	Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA	750,963	12.7	11.6	10.8	11.0	10.0
Michigan	Allegan County	Grand Rapids-Muskegon-Holland, MI MSA	105,665	12.2	11.4	10.8	10.9	9.8
Michigan	Berrien County	Benton Harbor, MI MSA	162,453	12.5	11.7	10.9	11.0	9.9
Michigan	Genesee County	Detroit-Ann Arbor-Flint, MI CMSA	436,141	12.7	11.9	11.1	11.3	10.2
Michigan	Ingham County	Lansing-East Lansing, MI MSA	279,320	13.1	12.2	11.4	11.6	10.4
Michigan	Kalamazoo County	Kalamazoo-Battle Creek, MI MSA	238,603	15.0	14.0	13.0	13.2	11.8
Michigan	Kent County	Grand Rapids-Muskegon-Holland, MI MSA	574,335	14.1	13.1	12.3	12.4	11.2
Michigan	Macomb County	Detroit-Ann Arbor-Flint, MI CMSA	788,149	13.2	12.5	11.7	11.9	10.8
Michigan	Muskegon County	Grand Rapids-Muskegon-Holland, MI MSA	170,200	12.2	11.5	10.8	10.9	10.0
Michigan	Ottawa County	Grand Rapids-Muskegon-Holland, MI MSA	238,314	13.3	12.4	11.7	11.7	10.6
Michigan	St. Clair County	Detroit-Ann Arbor-Flint, MI CMSA	164,235	13.8	13.1	12.2	12.5	11.3
Michigan	Wayne County	Detroit-Ann Arbor-Flint, MI CMSA	2,061,162	18.9	18.0	16.8	17.2	15.6
Mississippi	DeSoto County	Memphis, TN-AR-MS MSA	107,199	14.0	12.7	11.6	12.0	10.5
Mississippi	Hancock County	Biloxi-Gulfport-Pascagoula, MS MSA	42,967	12.2	11.4	10.7	11.3	10.1
Mississippi	Hinds County	Jackson, MS MSA	250,800	15.1	13.9	13.0	13.5	11.9
Mississippi	Jackson County	Biloxi-Gulfport-Pascagoula, MS MSA	131,420	13.8	12.9	12.2	12.8	11.2
Mississippi	Jones County		64,958	16.6	15.2	14.2	14.8	13.0
Mississippi	Lee County		75,755	14.2	12.8	11.8	12.2	10.5
Missouri	Buchanan County	St. Joseph, MO MSA	85,998	12.4	11.3	10.5	10.6	9.6
Missouri	Cedar County		13,733	11.5	10.5	9.6	9.8	8.7
Missouri	Clay County	Kansas City, MO-KS MSA	184,006	12.8	11.8	11.1	11.3	10.3
Missouri	Greene County	Springfield, MO MSA	240,391	12.2	11.3	10.3	10.6	9.3
Missouri	Jackson County	Kansas City, MO-KS MSA	654,880	13.9	12.8	12.0	12.1	11.1
Missouri	Jasper County	Joplin, MO MSA	104,686	13.7	12.5	11.5	11.7	10.4
Missouri	Jefferson County	St. Louis, MO-IL MSA	198,099	15.0	14.1	12.9	13.6	12.0
Missouri	Monroe County		9,311	11.0	10.1	9.2	9.4	8.3
Missouri	St. Charles County	St. Louis, MO-IL MSA	283,883	14.6	13.9	12.9	13.3	12.0
Missouri	St. Louis city	St. Louis, MO-IL MSA	348,189	16.3	15.3	14.1	14.7	13.1
Missouri	St. Louis County	St. Louis, MO-IL MSA	1,016,315	14.1	13.3	12.4	12.8	11.5
Missouri	Ste. Genevieve County		17,842	14.2	13.1	11.9	12.4	10.8
Montana	Lewis And Clark		55,716	8.5	8.3	8.3	8.3	8.3
Montana	Lincoln		18,837	16.4	15.5	15.5	15.0	14.9
Montana	Missoula		95,802	11.8	11.2	11.1	10.8	10.8
Montana	Yellowstone	BILLINGS, MT	129,352	8.0	7.6	7.5	7.6	7.4
Nebraska	Lancaster County	Lincoln, NE MSA	250,291	10.5	9.6	9.0	9.0	8.2
Nevada	Clark	Las Vegas, NV-AZ MSA	1,375,765	11.0	10.4	10.3	9.8	9.7
Nevada	Washoe	Reno, NV MSA	339,486	9.7	8.9	8.9	8.6	8.5
New Jersey	Hudson County	New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	608,975	17.2	14.6	13.8	14.1	12.9
New Jersey	Mercer County	New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	350,761	14.3	13.5	12.4	13.0	11.5
New Jersey	Union County	New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	522,541	16.3	14.2	13.6	13.9	13.0
New Mexico	Dona Ana	Las Cruces, NM MSA	174,682	10.9	10.2	10.0	9.9	9.7

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New Mexico	Grant		31,002	5.7	5.5	5.5	5.5	5.5
New Mexico	Lea		55,511	6.9	6.5	6.3	6.3	6.1
New Mexico	Sandoval	Albuquerque, NM MSA	89,908	5.0	4.9	4.8	5.0	4.9
New Mexico	Santa Fe	Santa Fe, NM MSA	129,292	4.8	4.5	4.5	4.5	4.4
New York	New York County	New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	1,537,195	18.0	16.3	15.4	15.5	14.1
North Carolina	Alamance County	Greensboro--Winston-Salem--High Point, NC MSA	130,800	15.3	13.9	12.6	13.1	11.1
North Carolina	Cabarrus County	Charlotte-Gastonia-Rock Hill, NC-SC MSA	131,063	15.7	13.7	12.7	12.9	11.1
North Carolina	Catawba County	Hickory-Morganton-Lenoir, NC MSA	141,685	17.1	15.4	14.0	14.4	12.2
North Carolina	Chatham County	Raleigh-Durham-Chapel Hill, NC MSA	49,329	13.4	12.2	11.1	11.5	9.7
North Carolina	Cumberland County	Fayetteville, NC MSA	302,963	15.4	14.2	12.9	13.6	11.5
North Carolina	Davidson County	Greensboro--Winston-Salem--High Point, NC MSA	147,246	17.3	15.6	14.3	14.7	12.5
North Carolina	Duplin County		49,063	12.6	11.6	10.5	11.0	9.3
North Carolina	Durham County	Raleigh-Durham-Chapel Hill, NC MSA	223,314	15.3	14.3	12.9	13.5	11.5
North Carolina	Forsyth County	Greensboro--Winston-Salem--High Point, NC MSA	306,067	16.2	14.5	13.3	13.6	11.6
North Carolina	Gaston County	Charlotte-Gastonia-Rock Hill, NC-SC MSA	190,365	15.3	13.9	12.9	13.1	11.3
North Carolina	Guilford County	Greensboro--Winston-Salem--High Point, NC MSA	421,048	16.3	14.8	13.4	13.9	11.8
North Carolina	Haywood County		54,033	15.4	13.9	12.7	13.2	11.2
North Carolina	McDowell County		42,151	16.2	14.6	13.3	13.9	11.8
North Carolina	Mecklenburg County	Charlotte-Gastonia-Rock Hill, NC-SC MSA	695,454	16.8	15.2	14.1	14.3	12.4
North Carolina	Mitchell County		15,687	15.5	14.0	12.7	13.2	11.1
North Carolina	New Hanover County	Wilmington, NC MSA	160,307	12.2	11.3	10.4	11.0	9.5
North Carolina	Onslow County	Jacksonville, NC MSA	150,355	12.1	11.2	10.1	10.6	9.1
North Carolina	Orange County	Raleigh-Durham-Chapel Hill, NC MSA	118,227	14.3	13.0	11.8	12.3	10.4
North Carolina	Swain County		12,968	14.1	12.8	11.7	12.1	10.2
North Carolina	Wake County	Raleigh-Durham-Chapel Hill, NC MSA	627,846	15.3	14.2	12.9	13.5	11.5
North Carolina	Wayne County	Goldsboro, NC MSA	113,329	15.3	14.1	12.7	13.4	11.4
North Dakota	Cass County	Fargo-Moorhead, ND-MN MSA	123,138	8.6	7.9	7.4	7.4	6.9
North Dakota	Mercer		8,644	6.9	6.4	6.0	5.7	5.5
North Dakota	Steele County		2,258	6.9	6.4	6.0	5.9	5.5
Ohio	Butler County	Cincinnati-Hamilton, OH-KY-IN CMSA	332,807	17.4	16.1	14.6	15.2	13.1
Ohio	Cuyahoga County	Cleveland-Akron, OH CMSA	1,393,978	20.3	19.2	17.7	18.4	16.4
Ohio	Franklin County	Columbus, OH MSA	1,068,978	18.1	16.8	15.1	16.0	13.8
Ohio	Hamilton County	Cincinnati-Hamilton, OH-KY-IN CMSA	845,303	19.3	17.9	16.0	16.9	14.5
Ohio	Jefferson County	Steubenville-Weirton, OH-WV MSA	73,894	18.9	18.1	16.2	17.4	15.1
Ohio	Lake County	Cleveland-Akron, OH CMSA	227,511	14.0	13.5	12.3	12.9	11.3
Ohio	Lorain County	Cleveland-Akron, OH CMSA	284,664	15.1	14.3	13.1	13.6	12.1
Ohio	Mahoning County	Youngstown-Warren, OH MSA	257,555	16.4	15.5	13.8	14.7	12.6
Ohio	Montgomery County	Dayton-Springfield, OH MSA	559,062	17.6	16.5	14.9	15.7	13.6
Ohio	Portage County	Cleveland-Akron, OH CMSA	152,061	15.3	14.5	13.0	13.8	11.9
Ohio	Scioto County		79,195	20.0	18.5	16.4	17.4	14.7
Ohio	Stark County	Canton-Massillon, OH MSA	378,098	18.3	17.2	15.3	16.2	13.8
Ohio	Summit County	Cleveland-Akron, OH CMSA	542,899	17.3	16.4	14.8	15.6	13.6
Ohio	Trumbull County	Youngstown-Warren, OH MSA	225,116	16.2	15.2	13.6	14.4	12.5
Oregon	Benton		78,153	7.4	7.0	7.0	6.8	6.8
Oregon	Columbia	Portland-Salem, OR-WA CMSA	43,560	6.6	6.1	6.1	5.8	5.8
Oregon	Jackson	Medford-Ashland, OR	181,269	11.3	10.3	10.3	9.8	9.8
Oregon	Klamath		63,775	9.7	9.1	9.1	8.9	8.9
Oregon	Lake		7,422	7.6	7.2	7.2	7.0	7.0
Oregon	Lane	Eugene-Springfield, OR MSA	322,959	13.2	12.2	12.2	11.8	11.8
Oregon	Marion	Portland-Salem, OR-WA CMSA	284,834	8.2	7.6	7.6	7.3	7.3
Oregon	Multnomah	Portland-Salem, OR-WA CMSA	660,486	9.1	8.6	8.6	8.4	8.4
Oregon	Umatilla		70,548	8.8	8.2	8.2	7.8	7.8
Oregon	Washington	Portland-Salem, OR-WA CMSA	445,342	7.8	7.4	7.3	7.2	7.2
Pennsylvania	Allegheny County	Pittsburgh, PA MSA	1,281,666	21.0	19.3	16.7	18.0	15.1
Pennsylvania	Berks County	Reading, PA MSA	373,638	15.6	14.5	13.2	13.8	12.0
Pennsylvania	Cambria County	Johnstown, PA MSA	152,598	15.3	14.2	12.3	13.3	11.0
Pennsylvania	Dauphin County	Harrisburg-Lebanon-Carlisle, PA MSA	251,798	15.5	14.3	12.7	13.6	11.4
Pennsylvania	Lancaster County	Lancaster, PA MSA	470,658	16.9	15.4	13.8	14.5	12.4

State	County	MSA/CMSA Name	2000 Population	PM2.5 1999-2001 Ambient Design Value	PM2.5 Base case 2010 Design Value	PM2.5 Clear Skies 2010 Design Value	PM2.5 Base case 2020 Design Value	PM2.5 Clear Skies 2020 Design Value
Pennsylvania	Philadelphia County	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	1,517,550	16.6	15.7	14.6	15.2	13.7
Pennsylvania	Washington County	Pittsburgh, PA MSA	202,897	15.5	14.3	12.3	13.3	11.1
Pennsylvania	Westmoreland County	Pittsburgh, PA MSA	369,993	15.6	14.3	12.4	13.3	11.1
Pennsylvania	York County	York, PA MSA	381,751	16.3	15.0	13.5	14.2	12.1
South Carolina	Charleston County	Charleston-North Charleston, SC MSA	309,969	12.6	11.8	11.0	11.6	10.2
South Carolina	Georgetown County		55,797	13.9	12.9	11.9	12.6	10.8
South Carolina	Greenville County	Greenville-Spartanburg-Anderson, SC MSA	379,616	16.5	15.2	13.9	14.3	12.0
South Carolina	Lexington County	Columbia, SC MSA	216,014	15.6	14.4	13.3	13.7	11.7
South Carolina	Oconee County		66,215	12.3	11.2	10.2	10.5	8.7
South Carolina	Richland County	Columbia, SC MSA	320,677	15.4	14.2	13.1	13.6	11.5
South Carolina	Spartanburg County	Greenville-Spartanburg-Anderson, SC MSA	253,791	15.4	14.1	12.9	13.3	11.2
South Dakota	Minnehaha County	Sioux Falls, SD MSA	148,281	10.4	9.6	8.9	8.9	8.1
Tennessee	Davidson County	Nashville, TN MSA	569,891	17.0	15.4	13.9	14.6	12.5
Tennessee	Hamilton County	Chattanooga, TN-GA MSA	307,896	18.5	16.8	15.4	15.9	13.4
Tennessee	Knox County	Knoxville, TN MSA	382,032	20.4	18.4	16.7	17.4	14.5
Tennessee	Roane County		51,910	17.0	15.2	13.8	14.4	11.9
Tennessee	Shelby County	Memphis, TN-AR-MS MSA	897,472	15.6	14.9	13.8	14.3	12.5
Tennessee	Sullivan County	Johnson City-Kingsport-Bristol, TN-VA MSA	153,048	17.0	15.3	13.9	14.6	12.2
Tennessee	Sumner County	Nashville, TN MSA	130,449	15.7	14.1	12.8	13.4	11.4
Utah	Davis	Salt Lake City-Ogden, UT MSA	238,994	9.0	8.8	8.8	8.7	8.6
Utah	Salt Lake	Salt Lake City-Ogden, UT MSA	898,387	13.6	13.4	13.3	13.1	13.0
Utah	Tooele		40,735	7.2	7.2	7.2	7.3	7.3
Utah	Utah	Provo-Orem, UT MSA	368,536	10.4	10.1	10.0	10.0	9.9
Utah	Weber	Salt Lake City-Ogden, UT MSA	196,533	8.8	8.6	8.5	8.5	8.4
Vermont	Bennington County		36,994	9.9	9.1	8.4	8.8	7.9
Vermont	Chittenden County	Burlington, VT NECMA	146,571	6.8	6.3	5.8	6.1	5.5
Vermont	Rutland County		63,400	11.3	10.5	9.7	10.1	9.1
Vermont	Washington County		58,039	10.5	9.7	9.0	9.4	8.5
Virginia	Bristol city	Johnson City-Kingsport-Bristol, TN-VA MSA	17,367	16.0	14.3	13.0	13.6	11.4
Virginia	Newport News city	Norfolk-Virginia Beach-Newport News, VA-NC MSA	180,150	12.7	11.9	10.9	11.5	10.2
Virginia	Roanoke city	Roanoke, VA MSA	94,911	15.2	14.0	12.4	13.2	11.1
Virginia	Virginia Beach city	Norfolk-Virginia Beach-Newport News, VA-NC MSA	425,257	13.2	12.4	11.4	12.1	10.6
Washington	King	Seattle-Tacoma-Bremerton, WA CMSA	1,737,034	11.9	11.4	11.3	11.1	11.1
Washington	Pierce	Seattle-Tacoma-Bremerton, WA CMSA	700,820	11.7	11.0	11.0	10.7	10.6
Washington	Snohomish	Seattle-Tacoma-Bremerton, WA CMSA	606,024	11.4	10.7	10.6	10.3	10.2
Washington	Spokane	Spokane, WA MSA	417,939	10.4	9.6	9.6	9.1	9.1
Washington	Thurston	Seattle-Tacoma-Bremerton, WA CMSA	207,355	9.7	8.7	8.7	8.3	8.2
Washington	Whatcom	Bellingham, WA MSA	166,814	7.9	7.5	7.5	7.3	7.2
West Virginia	Berkeley County	Washington-Baltimore, DC-MD-VA-WV CMSA	75,905	16.0	14.8	12.9	13.9	11.6
West Virginia	Brooke County	Steubenville-Weirton, OH-WV MSA	25,447	17.4	16.6	14.9	16.0	13.8
West Virginia	Cabell County	Huntington-Ashland, WV-KY-OH MSA	96,784	17.8	16.5	14.5	15.6	13.0
West Virginia	Hancock County	Steubenville-Weirton, OH-WV MSA	32,667	17.4	16.6	14.9	15.9	13.8
West Virginia	Harrison County		68,652	14.8	13.6	11.8	12.8	10.5
West Virginia	Kanawha County	Charleston, WV MSA	200,073	18.4	17.2	14.9	16.2	13.5
West Virginia	Marshall County	Wheeling, WV-OH MSA	35,519	16.5	15.6	13.4	14.6	12.2
West Virginia	Monongalia County		81,866	15.0	13.8	11.8	12.9	10.6
West Virginia	Ohio County	Wheeling, WV-OH MSA	47,427	15.7	14.7	12.6	13.7	11.4
West Virginia	Raleigh County		79,220	14.0	12.8	11.3	12.1	10.0
West Virginia	Summers County		12,999	10.9	10.0	8.7	9.4	7.7
West Virginia	Wood County	Parkersburg-Marietta, WV-OH MSA	87,986	17.6	16.4	14.2	15.4	12.9
Wisconsin	Brown County	Green Bay, WI MSA	226,778	11.4	10.6	9.9	10.1	9.1
Wisconsin	Dane County	Madison, WI MSA	426,526	13.2	12.2	11.4	11.5	10.4
Wisconsin	Dodge County		85,897	11.8	10.9	10.1	10.2	9.1
Wisconsin	Door County		27,961	8.0	7.6	7.1	7.3	6.7
Wisconsin	Douglas County	Duluth-Superior, MN-WI MSA	43,287	8.3	7.9	7.5	7.8	7.3
Wisconsin	Grant County		49,597	12.3	11.2	10.4	10.5	9.3
Wisconsin	Jefferson County		74,021	12.5	11.6	10.8	10.9	9.8
Wisconsin	Kenosha County	Chicago-Gary-Kenosha, IL-IN-WI CMSA	149,577	12.1	11.6	10.9	11.1	10.1
Wisconsin	Manitowoc County		82,887	10.3	9.5	8.9	9.1	8.2
Wisconsin	Milwaukee County	Milwaukee-Racine, WI CMSA	940,164	14.2	13.6	12.8	13.1	11.9

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Wisconsin	Outagamie County	Appleton-Oshkosh-Neenah, WI MSA	160,971	11.3	10.5	9.8	10.0	9.1
Wisconsin	Vilas County		21,033	6.4	6.0	5.6	5.7	5.2
Wisconsin	Waukesha County	Milwaukee-Racine, WI CMSA	360,767	14.1	13.3	12.4	12.6	11.4
Wisconsin	Winnebago County	Appleton-Oshkosh-Neenah, WI MSA	156,763	11.2	10.3	9.7	9.8	8.8
Wisconsin	Wood County		75,555	10.6	9.7	9.1	9.1	8.3
Wyoming	Laramie	Cheyenne, WY MSA	81,607	5.4	5.3	5.1	5.3	5.2
Wyoming	Sheridan		26,560	10.9	10.2	10.1	10.0	9.8
Number of Nonattainment Counties				129	80	38	53	18
Population				65,119,817	53,618,226	39,946,687	45,682,603	33,252,264