

County-level Design Values for the 2015 Ozone Standards

Based on Monitored Air Quality Data from 2012 - 2014

Includes only Counties with Ozone Monitors

Violates 2015 Ozone Standards (DV > 70 ppb)*

State Name	County Name	2012 - 2014 Design Value (ppb)**
Alabama	Baldwin	66
Alabama	Colbert	63
Alabama	DeKalb	65
Alabama	Elmore	62
Alabama	Etowah	60
Alabama	Houston	61
Alabama	Jefferson	71
Alabama	Madison	68
Alabama	Mobile	65
Alabama	Montgomery	63
Alabama	Morgan	65
Alabama	Russell	62
Alabama	Shelby	68
Alabama	Tuscaloosa	58
Alaska	Denali	53
Alaska	Fairbanks North Star	46
Arizona	Cochise	71
Arizona	Coconino	71
Arizona	Gila	74
Arizona	La Paz	72
Arizona	Maricopa	80
Arizona	Navajo	70
Arizona	Pima	71
Arizona	Pinal	73
Arizona	Yavapai	71
Arizona	Yuma	77
Arkansas	Crittenden	71
Arkansas	Newton	64
Arkansas	Polk	66
Arkansas	Pulaski	71
Arkansas	Washington	69
California	Alameda	72
California	Amador	72
California	Butte	75
California	Calaveras	71
California	Colusa	60
California	Contra Costa	67
California	El Dorado	84

California	Fresno	95
California	Glenn	66
California	Humboldt	44
California	Imperial	80
California	Inyo	70
California	Kern	91
California	Kings	84
California	Lake	61
California	Los Angeles	97
California	Madera	84
California	Marin	56
California	Mariposa	78
California	Merced	81
California	Monterey	58
California	Napa	58
California	Nevada	78
California	Orange	74
California	Placer	81
California	Riverside	99
California	Sacramento	85
California	San Benito	70
California	San Bernardino	102
California	San Diego	79
California	San Francisco	47
California	San Joaquin	79
California	San Luis Obispo	75
California	San Mateo	56
California	Santa Barbara	68
California	Santa Clara	70
California	Santa Cruz	53
California	Shasta	68
California	Siskiyou	62
California	Solano	66
California	Sonoma	58
California	Stanislaus	84
California	Sutter	74
California	Tehama	75
California	Tulare	91
California	Tuolumne	73
California	Ventura	79
California	Yolo	68
Colorado	Adams	73
Colorado	Arapahoe	71
Colorado	Boulder	75
Colorado	Denver	65
Colorado	Douglas	81
Colorado	El Paso	71

Colorado	Garfield	63
Colorado	Jackson	60
Colorado	Jefferson	82
Colorado	La Plata	67
Colorado	Larimer	78
Colorado	Mesa	66
Colorado	Moffat	64
Colorado	Montezuma	67
Colorado	Rio Blanco	74
Colorado	Weld	74
Connecticut	Fairfield	85
Connecticut	Hartford	77
Connecticut	Litchfield	69
Connecticut	Middlesex	81
Connecticut	New Haven	81
Connecticut	New London	79
Connecticut	Tolland	80
Connecticut	Windham	70
Delaware	Kent	72
Delaware	New Castle	71
Delaware	Sussex	74
District Of Columbia	District of Columbia	73
Florida	Alachua	62
Florida	Baker	59
Florida	Bay	64
Florida	Brevard	63
Florida	Broward	61
Florida	Collier	59
Florida	Columbia	60
Florida	Duval	61
Florida	Escambia	69
Florida	Flagler	63
Florida	Highlands	61
Florida	Hillsborough	70
Florida	Holmes	60
Florida	Indian River	64
Florida	Lake	65
Florida	Lee	64
Florida	Leon	62
Florida	Liberty	58
Florida	Manatee	65
Florida	Marion	59
Florida	Miami-Dade	63
Florida	Okaloosa	64
Florida	Orange	66
Florida	Osceola	64
Florida	Palm Beach	62

Florida	Pasco	66
Florida	Pinellas	65
Florida	Polk	66
Florida	Santa Rosa	67
Florida	Sarasota	67
Florida	Seminole	64
Florida	Volusia	62
Georgia	Bibb	67
Georgia	Chatham	59
Georgia	Chattooga	62
Georgia	Clarke	64
Georgia	Columbia	64
Georgia	Coweta	60
Georgia	Dawson	64
Georgia	DeKalb	72
Georgia	Douglas	67
Georgia	Fulton	76
Georgia	Glynn	57
Georgia	Gwinnett	72
Georgia	Henry	77
Georgia	Murray	66
Georgia	Muscogee	62
Georgia	Paulding	64
Georgia	Pike	69
Georgia	Richmond	65
Georgia	Rockdale	77
Georgia	Sumter	61
Hawaii	Honolulu	48
Idaho	Ada	69
Idaho	Butte	62
Illinois	Adams	66
Illinois	Champaign	66
Illinois	Cook	78
Illinois	DuPage	67
Illinois	Effingham	66
Illinois	Hamilton	70
Illinois	Jersey	74
Illinois	Jo Daviess	69
Illinois	Kane	68
Illinois	Lake	79
Illinois	Macon	69
Illinois	Macoupin	67
Illinois	Madison	76
Illinois	McHenry	69
Illinois	McLean	71
Illinois	Peoria	69
Illinois	Randolph	72

Illinois	Rock Island	62
Illinois	Saint Clair	72
Illinois	Sangamon	65
Illinois	Will	65
Illinois	Winnebago	69
Indiana	Allen	67
Indiana	Boone	71
Indiana	Carroll	68
Indiana	Clark	72
Indiana	Delaware	63
Indiana	Elkhart	61
Indiana	Floyd	74
Indiana	Greene	71
Indiana	Hamilton	65
Indiana	Hancock	59
Indiana	Hendricks	61
Indiana	Huntington	60
Indiana	Jackson	64
Indiana	Johnson	64
Indiana	Knox	68
Indiana	Lake	69
Indiana	LaPorte	79
Indiana	Madison	63
Indiana	Marion	71
Indiana	Morgan	67
Indiana	Perry	70
Indiana	Porter	73
Indiana	Posey	66
Indiana	Shelby	70
Indiana	St. Joseph	71
Indiana	Vanderburgh	72
Indiana	Vigo	66
Indiana	Wabash	71
Indiana	Warrick	71
Iowa	Bremer	62
Iowa	Clinton	67
Iowa	Harrison	68
Iowa	Linn	63
Iowa	Montgomery	63
Iowa	Palo Alto	66
Iowa	Polk	62
Iowa	Scott	63
Iowa	Story	62
Iowa	Van Buren	66
Iowa	Warren	63
Kansas	Johnson	70
Kansas	Leavenworth	71

Kansas	Sedgwick	73
Kansas	Shawnee	69
Kansas	Sumner	73
Kansas	Trego	69
Kansas	Wyandotte	70
Kentucky	Bell	62
Kentucky	Boone	65
Kentucky	Boyd	68
Kentucky	Bullitt	69
Kentucky	Campbell	75
Kentucky	Carter	64
Kentucky	Christian	67
Kentucky	Daviess	72
Kentucky	Edmonson	69
Kentucky	Fayette	67
Kentucky	Greenup	65
Kentucky	Hancock	70
Kentucky	Henderson	74
Kentucky	Jefferson	71
Kentucky	Jessamine	67
Kentucky	Livingston	72
Kentucky	McCracken	72
Kentucky	Morgan	64
Kentucky	Oldham	74
Kentucky	Perry	63
Kentucky	Pike	62
Kentucky	Pulaski	66
Kentucky	Simpson	64
Kentucky	Trigg	69
Kentucky	Washington	67
Louisiana	Ascension	67
Louisiana	Bossier	68
Louisiana	Caddo	68
Louisiana	Calcasieu	68
Louisiana	East Baton Rouge	72
Louisiana	Iberville	69
Louisiana	Jefferson	69
Louisiana	Lafayette	68
Louisiana	Lafourche	68
Louisiana	Livingston	71
Louisiana	Orleans	67
Louisiana	Ouachita	59
Louisiana	Pointe Coupee	71
Louisiana	St. Bernard	67
Louisiana	St. Charles	65
Louisiana	St. James	64
Louisiana	St. John the Baptist	69

Louisiana	St. Tammany	71
Louisiana	West Baton Rouge	65
Maine	Androscoggin	61
Maine	Aroostook	53
Maine	Cumberland	69
Maine	Hancock	66
Maine	Kennebec	62
Maine	Knox	66
Maine	Oxford	55
Maine	Penobscot	58
Maine	Sagadahoc	60
Maine	Washington	57
Maine	York	73
Maryland	Anne Arundel	74
Maryland	Baltimore	72
Maryland	Baltimore (City)	64
Maryland	Calvert	73
Maryland	Carroll	69
Maryland	Cecil	77
Maryland	Charles	73
Maryland	Dorchester	73
Maryland	Frederick	70
Maryland	Garrett	68
Maryland	Harford	75
Maryland	Kent	74
Maryland	Montgomery	68
Maryland	Prince George's	76
Maryland	Washington	67
Massachusetts	Barnstable	69
Massachusetts	Berkshire	66
Massachusetts	Bristol	72
Massachusetts	Dukes	68
Massachusetts	Essex	69
Massachusetts	Hampden	70
Massachusetts	Hampshire	71
Massachusetts	Middlesex	67
Massachusetts	Norfolk	70
Massachusetts	Suffolk	66
Massachusetts	Worcester	68
Michigan	Allegan	83
Michigan	Benzie	73
Michigan	Berrien	79
Michigan	Cass	73
Michigan	Chippewa	65
Michigan	Clinton	69
Michigan	Genesee	72
Michigan	Huron	71

Michigan	Ingham	70
Michigan	Kalamazoo	73
Michigan	Kent	71
Michigan	Lenawee	73
Michigan	Macomb	74
Michigan	Manistee	73
Michigan	Mason	74
Michigan	Missaukee	68
Michigan	Muskegon	79
Michigan	Oakland	71
Michigan	Ottawa	75
Michigan	Schoolcraft	72
Michigan	St. Clair	74
Michigan	Tuscola	68
Michigan	Washtenaw	73
Michigan	Wayne	74
Michigan	Wexford	67
Minnesota	Anoka	67
Minnesota	Becker	62
Minnesota	Carlton	57
Minnesota	Crow Wing	59
Minnesota	Goodhue	63
Minnesota	Lake	58
Minnesota	Lyon	65
Minnesota	Mille Lacs	59
Minnesota	Olmsted	65
Minnesota	Saint Louis	59
Minnesota	Scott	65
Minnesota	Stearns	62
Minnesota	Washington	62
Minnesota	Wright	63
Mississippi	Bolivar	67
Mississippi	DeSoto	69
Mississippi	Hancock	66
Mississippi	Harrison	69
Mississippi	Hinds	61
Mississippi	Jackson	71
Mississippi	Lauderdale	60
Mississippi	Lee	62
Mississippi	Yalobusha	62
Missouri	Andrew	68
Missouri	Boone	68
Missouri	Callaway	66
Missouri	Cass	69
Missouri	Cedar	70
Missouri	Clay	74
Missouri	Clinton	73

Missouri	Greene	68
Missouri	Jasper	72
Missouri	Jefferson	75
Missouri	Lincoln	75
Missouri	Monroe	64
Missouri	Perry	71
Missouri	Saint Charles	78
Missouri	Saint Louis	77
Missouri	Sainte Genevieve	72
Missouri	St. Louis City	73
Missouri	Taney	64
Montana	Flathead	53
Montana	Lewis and Clark	54
Montana	Missoula	55
Montana	Rosebud	56
Nebraska	Douglas	66
Nebraska	Knox	68
Nebraska	Lancaster	58
Nevada	Churchill	60
Nevada	Clark	78
Nevada	Lyon	67
Nevada	Washoe	70
Nevada	White Pine	71
New Hampshire	Belknap	62
New Hampshire	Cheshire	62
New Hampshire	Coos	67
New Hampshire	Grafton	61
New Hampshire	Hillsborough	69
New Hampshire	Merrimack	63
New Hampshire	Rockingham	68
New Jersey	Atlantic	69
New Jersey	Bergen	74
New Jersey	Camden	76
New Jersey	Cumberland	70
New Jersey	Essex	72
New Jersey	Gloucester	76
New Jersey	Hunterdon	72
New Jersey	Mercer	73
New Jersey	Middlesex	74
New Jersey	Monmouth	72
New Jersey	Morris	72
New Jersey	Ocean	75
New Jersey	Passaic	69
New Jersey	Warren	63
New Mexico	Bernalillo	68
New Mexico	Dona Ana	74
New Mexico	Eddy	71

New Mexico	Grant	62
New Mexico	Lea	65
New Mexico	Luna	66
New Mexico	San Juan	68
New Mexico	Sandoval	63
New Mexico	Santa Fe	66
New Mexico	Valencia	69
New York	Albany	66
New York	Bronx	71
New York	Chautauqua	71
New York	Dutchess	69
New York	Erie	71
New York	Essex	64
New York	Franklin	49
New York	Hamilton	63
New York	Herkimer	61
New York	Jefferson	67
New York	Monroe	65
New York	New York	67
New York	Niagara	69
New York	Onondaga	67
New York	Orange	61
New York	Oswego	64
New York	Putnam	67
New York	Queens	72
New York	Richmond	73
New York	Rockland	72
New York	Saratoga	63
New York	Steuben	61
New York	Suffolk	75
New York	Tompkins	65
New York	Wayne	67
New York	Westchester	75
North Carolina	Avery	63
North Carolina	Buncombe	64
North Carolina	Caldwell	62
North Carolina	Caswell	68
North Carolina	Chatham	59
North Carolina	Cumberland	65
North Carolina	Davie	67
North Carolina	Durham	66
North Carolina	Edgecombe	65
North Carolina	Forsyth	70
North Carolina	Franklin	64
North Carolina	Graham	64
North Carolina	Granville	66
North Carolina	Guilford	68

North Carolina	Haywood	67
North Carolina	Johnston	67
North Carolina	Lenoir	65
North Carolina	Lincoln	68
North Carolina	Macon	62
North Carolina	Martin	64
North Carolina	Mecklenburg	73
North Carolina	Montgomery	63
North Carolina	New Hanover	63
North Carolina	Person	66
North Carolina	Pitt	65
North Carolina	Rockingham	67
North Carolina	Rowan	68
North Carolina	Swain	58
North Carolina	Union	68
North Carolina	Wake	65
North Carolina	Yancey	63
North Dakota	Billings	56
North Dakota	Burke	57
North Dakota	Burleigh	59
North Dakota	Cass	60
North Dakota	Dunn	57
North Dakota	McKenzie	57
North Dakota	Mercer	58
North Dakota	Oliver	59
Ohio	Allen	71
Ohio	Ashtabula	72
Ohio	Butler	74
Ohio	Clark	71
Ohio	Clermont	75
Ohio	Clinton	73
Ohio	Cuyahoga	75
Ohio	Delaware	71
Ohio	Fayette	70
Ohio	Franklin	75
Ohio	Geauga	70
Ohio	Greene	69
Ohio	Hamilton	75
Ohio	Jefferson	70
Ohio	Knox	69
Ohio	Lake	78
Ohio	Lawrence	66
Ohio	Licking	69
Ohio	Lorain	69
Ohio	Lucas	71
Ohio	Madison	71
Ohio	Mahoning	68

Ohio	Medina	67
Ohio	Miami	71
Ohio	Montgomery	72
Ohio	Noble	66
Ohio	Portage	64
Ohio	Preble	69
Ohio	Stark	70
Ohio	Summit	62
Ohio	Trumbull	72
Ohio	Warren	72
Ohio	Washington	67
Ohio	Wood	68
Oklahoma	Adair	70
Oklahoma	Caddo	66
Oklahoma	Canadian	71
Oklahoma	Cherokee	68
Oklahoma	Cleveland	72
Oklahoma	Comanche	73
Oklahoma	Creek	72
Oklahoma	Dewey	70
Oklahoma	Kay	73
Oklahoma	Mayes	70
Oklahoma	McClain	70
Oklahoma	Oklahoma	74
Oklahoma	Ottawa	68
Oklahoma	Pittsburg	69
Oklahoma	Sequoyah	68
Oklahoma	Tulsa	74
Oregon	Clackamas	62
Oregon	Columbia	51
Oregon	Deschutes	59
Oregon	Jackson	64
Oregon	Lane	58
Oregon	Marion	61
Oregon	Multnomah	56
Oregon	Umatilla	64
Oregon	Washington	57
Pennsylvania	Adams	67
Pennsylvania	Allegheny	77
Pennsylvania	Armstrong	74
Pennsylvania	Beaver	75
Pennsylvania	Berks	71
Pennsylvania	Blair	68
Pennsylvania	Bucks	75
Pennsylvania	Cambria	66
Pennsylvania	Centre	68
Pennsylvania	Chester	73

Pennsylvania	Clearfield	66
Pennsylvania	Dauphin	69
Pennsylvania	Delaware	74
Pennsylvania	Elk	66
Pennsylvania	Erie	71
Pennsylvania	Franklin	66
Pennsylvania	Greene	68
Pennsylvania	Indiana	74
Pennsylvania	Lackawanna	66
Pennsylvania	Lancaster	71
Pennsylvania	Lawrence	72
Pennsylvania	Lebanon	71
Pennsylvania	Lehigh	70
Pennsylvania	Luzerne	63
Pennsylvania	Lycoming	66
Pennsylvania	Mercer	75
Pennsylvania	Monroe	63
Pennsylvania	Montgomery	72
Pennsylvania	Northampton	68
Pennsylvania	Perry	66
Pennsylvania	Philadelphia	75
Pennsylvania	Somerset	64
Pennsylvania	Tioga	64
Pennsylvania	Washington	69
Pennsylvania	Westmoreland	69
Pennsylvania	York	69
Puerto Rico	Catano	32
Puerto Rico	Juncos	39
Rhode Island	Kent	70
Rhode Island	Providence	73
Rhode Island	Washington	74
South Carolina	Abbeville	61
South Carolina	Aiken	61
South Carolina	Anderson	62
South Carolina	Berkeley	59
South Carolina	Charleston	60
South Carolina	Chesterfield	60
South Carolina	Colleton	55
South Carolina	Darlington	64
South Carolina	Edgefield	55
South Carolina	Greenville	65
South Carolina	Pickens	63
South Carolina	Richland	64
South Carolina	Spartanburg	66
South Carolina	York	60
South Dakota	Brookings	63
South Dakota	Custer	62

South Dakota	Jackson	61
South Dakota	Meade	62
South Dakota	Minnehaha	68
Tennessee	Blount	67
Tennessee	Claiborne	63
Tennessee	Davidson	70
Tennessee	DeKalb	67
Tennessee	Hamilton	69
Tennessee	Jefferson	71
Tennessee	Knox	67
Tennessee	Loudon	67
Tennessee	Sevier	67
Tennessee	Shelby	73
Tennessee	Sullivan	68
Tennessee	Sumner	72
Tennessee	Williamson	66
Tennessee	Wilson	67
Texas	Bell	72
Texas	Bexar	80
Texas	Brazoria	80
Texas	Brewster	65
Texas	Cameron	58
Texas	Collin	78
Texas	Dallas	78
Texas	Denton	81
Texas	El Paso	72
Texas	Ellis	71
Texas	Galveston	72
Texas	Gregg	71
Texas	Harris	76
Texas	Harrison	69
Texas	Hidalgo	57
Texas	Hood	76
Texas	Hunt	69
Texas	Jefferson	70
Texas	Johnson	76
Texas	Kaufman	70
Texas	McLennan	69
Texas	Montgomery	76
Texas	Navarro	68
Texas	Nueces	66
Texas	Orange	67
Texas	Parker	74
Texas	Randall	70
Texas	Rockwall	73
Texas	Smith	71
Texas	Tarrant	80

Texas	Travis	69
Texas	Victoria	63
Utah	Box Elder	70
Utah	Cache	65
Utah	Carbon	68
Utah	Davis	70
Utah	Duchesne	78
Utah	Garfield	65
Utah	Salt Lake	75
Utah	San Juan	67
Utah	Tooele	71
Utah	Uintah	76
Utah	Utah	74
Utah	Washington	70
Utah	Weber	73
Vermont	Bennington	64
Vermont	Chittenden	62
Virginia	Arlington	74
Virginia	Charles	67
Virginia	Chesterfield	66
Virginia	Fairfax	72
Virginia	Fauquier	59
Virginia	Frederick	63
Virginia	Giles	62
Virginia	Hampton City	67
Virginia	Hanover	68
Virginia	Loudoun	67
Virginia	Madison	65
Virginia	Page	62
Virginia	Prince Edward	62
Virginia	Prince William	66
Virginia	Roanoke	62
Virginia	Rockbridge	59
Virginia	Rockingham	61
Virginia	Stafford	67
Virginia	Suffolk City	65
Virginia	Wythe	63
Washington	Clark	56
Washington	King	65
Washington	Pierce	58
Washington	Skagit	48
Washington	Spokane	61
Washington	Thurston	55
West Virginia	Berkeley	64
West Virginia	Cabell	65
West Virginia	Gilmer	58
West Virginia	Greenbrier	61

West Virginia	Hancock	70
West Virginia	Kanawha	69
West Virginia	Monongalia	66
West Virginia	Ohio	67
West Virginia	Tucker	63
West Virginia	Wood	69
Wisconsin	Ashland	58
Wisconsin	Brown	70
Wisconsin	Columbia	69
Wisconsin	Dane	69
Wisconsin	Dodge	72
Wisconsin	Door	73
Wisconsin	Eau Claire	63
Wisconsin	Fond du Lac	70
Wisconsin	Forest	64
Wisconsin	Kenosha	81
Wisconsin	Kewaunee	73
Wisconsin	La Crosse	64
Wisconsin	Manitowoc	75
Wisconsin	Marathon	65
Wisconsin	Milwaukee	77
Wisconsin	Outagamie	71
Wisconsin	Ozaukee	77
Wisconsin	Sauk	66
Wisconsin	Sheboygan	81
Wisconsin	Taylor	63
Wisconsin	Vilas	61
Wisconsin	Walworth	72
Wisconsin	Waukesha	66
Wyoming	Albany	68
Wyoming	Campbell	63
Wyoming	Carbon	62
Wyoming	Fremont	64
Wyoming	Laramie	67
Wyoming	Sublette	64
Wyoming	Sweetwater	64
Wyoming	Teton	63
Wyoming	Uinta	63

241 violating counties

* EPA will not designate areas as nonattainment based on these data, but likely based on 2014 - 2016 data which are expected to show improved air quality.

** The level of the 2015 8-hour ozone NAAQS is 0.070 parts per million (ppm, or 70 parts per billion, ppb). The design value is the 3-year average of the annual 4th highest daily maximum 8-hour ozone concentration. The design value listed for each county is the highest among monitors with valid design values in that county. For more information on how design values are calculated for the 2015 ozone standards, see Appendix U to 40 CFR Part 50.