Counties Projected to Violate 2008 Ozone Standard in 2020

(Model projections for 2020)
(Only includes counties with monitors)

	Not projected to violate 2008 8-hour ozone standard of 0.075 parts per million
	Projected to violate the 2008 8-hour ozone standard of 0.075 parts per million

STATE	COUNTY
Alabama	Baldwin
Alabama	Clay
Alabama	Elmore
Alabama	Etowah
Alabama	Jefferson
Alabama	Lawrence
Alabama	Madison
Alabama	Mobile
Alabama	Montgomery
Alabama	Morgan
Alabama	Shelby
Alabama	Sumter
Alabama	Tuscaloosa
Arizona	Cochise
Arizona	Coconino
Arizona	Gila
Arizona	Maricopa
Arizona	Navajo
Arizona	Pima
Arizona	Pinal
Arizona	Yavapai
Arkansas	Crittenden
Arkansas	Montgomery
Arkansas	Newton
Arkansas	Pulaski
California	Alameda
California	Amador
California	Butte
California	Calaveras
California	Colusa
California	Contra Costa
California	El Dorado
California	Fresno
California	Glenn
California	Imperial
California	Inyo
California	Kern

NOTES:

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2. Future ozone levels were projected only for counties with monitoring data and within the contiguous 48 states.
3. Modeled emissions reflect the expected reductions from federal programs including the Clean Air Interstate Rule, the Clean Air Mercury Rule, the Clean Air Visibility Rule, the Clean Air Nonroad Diesel Rule, the Light-Duty Vehicle Tier 2 Rule, the Heavy Duty Diesel Rule, proposed rules for Locomotive and Marine vessels and for Small Spark-Ignition Engines; as well as illustrative state and local level mobile and stationary source controls identified for the purpose of attaining the 1997 ozone and 2006 PM2.5 standards. States may choose to apply different control strategies for implementation.

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STATE	COUNTY
California	Kings
California	Lake
California	Los Angeles
California	Madera
California	Marin
California	Mariposa
California	Mendocino
California	Merced
California	Mono
California	Monterey
California	Napa
California	Nevada
California	Orange
California	Placer
California	Plumas
California	Riverside
California	Sacramento
California	San Benito
California	San Bernardino
California	San Diego
California	San Francisco
California	San Joaquin
California	San Luis Obispo
California	San Mateo
California	Santa Barbara
California	Santa Clara
California	Santa Cruz
California	Shasta
California	Siskiyou
California	Solano
California	Sonoma
California	Stanislaus
California	Sutter
California	Tehama
California	Tulare
California	Tuolumne
California	Ventura
California	Yolo

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STATE	COUNTY
Colorado	Adams
Colorado	Arapahoe
Colorado	Boulder
Colorado	Denver
Colorado	Douglas
Colorado	El Paso
Colorado	Jefferson
Colorado	La Plata
Colorado	Larimer
Colorado	Montezuma
Colorado	Weld
Connecticut	Fairfield
Connecticut	Hartford
Connecticut	Litchfield
Connecticut	Middlesex
Connecticut	New Haven
Connecticut	New London
Connecticut	Tolland
Delaware	Kent
Delaware	New Castle
Delaware	Sussex
District of Columbia	Washington
Florida	Alachua
Florida	Baker
Florida	Bay
Florida	Brevard
Florida	Broward
Florida	Collier
Florida	Columbia
Florida	Duval
Florida	Escambia
Florida	Highlands
Florida	Hillsborough
Florida	Holmes
Florida	Lake
Florida	Lee
Florida	Leon
Florida	Manatee

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STATE	COUNTY
Florida	Marion
Florida	Miami-Dade
Florida	Orange
Florida	Osceola
Florida	Palm Beach
Florida	Pasco
Florida	Pinellas
Florida	Polk
Florida	Santa Rosa
Florida	Sarasota
Florida	Seminole
Florida	St Lucie
Florida	Volusia
Florida	Wakulla
Georgia	Bibb
Georgia	Chatham
Georgia	Cherokee
Georgia	Clarke
Georgia	Cobb
Georgia	Coweta
Georgia	Dawson
Georgia	De Kalb
Georgia	Douglas
Georgia	Fayette
Georgia	Fulton
Georgia	Glynn
Georgia	Gwinnett
Georgia	Henry
Georgia	Murray
Georgia	Muscogee
Georgia	Paulding
Georgia	Richmond
Georgia	Rockdale
Georgia	Sumter
Idaho	Ada
Idaho	Butte
Idaho	Canyon
Idaho	Elmore

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STATE	COUNTY
Illinois	Adams
Illinois	Champaign
Illinois	Clark
Illinois	Cook
Illinois	Du Page
Illinois	Effingham
Illinois	Hamilton
Illinois	Jersey
Illinois	Kane
Illinois	Lake
Illinois	Macon
Illinois	Macoupin
Illinois	Madison
Illinois	McHenry
Illinois	McLean
Illinois	Peoria
Illinois	Randolph
Illinois	Rock Island
Illinois	Sangamon
Illinois	St Clair
Illinois	Will
Illinois	Winnebago
Indiana	Allen
Indiana	Boone
Indiana	Carroll
Indiana	Clark
Indiana	Delaware
Indiana	Elkhart
Indiana	Floyd
Indiana	Gibson
Indiana	Greene
Indiana	Hamilton
Indiana	Hancock
Indiana	Hendricks
Indiana	Huntington
Indiana	Jackson
Indiana	Johnson
Indiana	La Porte

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STATE	COUNTY
Indiana	Lake
Indiana	Madison
Indiana	Marion
Indiana	Morgan
Indiana	Porter
Indiana	Posey
Indiana	Shelby
Indiana	St Joseph
Indiana	Vanderburgh
Indiana	Vigo
Indiana	Warrick
Iowa	Bremer
Iowa	Clinton
Iowa	Harrison
Iowa	Linn
Iowa	Montgomery
Iowa	Palo Alto
Iowa	Polk
Iowa	Scott
Iowa	Story
Iowa	Van Buren
Iowa	Warren
Kansas	Linn
Kansas	Sedgwick
Kansas	Sumner
Kansas	Trego
Kansas	Wyandotte
Kentucky	Bell
Kentucky	Boone
Kentucky	Boyd
Kentucky	Bullitt
Kentucky	Campbell
Kentucky	Carter
Kentucky	Christian
Kentucky	Daviess
Kentucky	Edmonson
Kentucky	Fayette
Kentucky	Graves

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STATE	COUNTY
Kentucky	Greenup
Kentucky	Hancock
Kentucky	Hardin
Kentucky	Henderson
Kentucky	Jefferson
Kentucky	Jessamine
Kentucky	Kenton
Kentucky	Livingston
Kentucky	McCracken
Kentucky	McLean
Kentucky	Oldham
Kentucky	Perry
Kentucky	Pike
Kentucky	Pulaski
Kentucky	Scott
Kentucky	Simpson
Kentucky	Trigg
Kentucky	Warren
Louisiana	Ascension
Louisiana	Beauregard
Louisiana	Bossier
Louisiana	Caddo
Louisiana	Calcasieu
Louisiana	East Baton Rouge
Louisiana	Grant
Louisiana	Iberville
Louisiana	Jefferson
Louisiana	Lafayette
Louisiana	Lafourche
Louisiana	Livingston
Louisiana	Orleans
Louisiana	Ouachita
Louisiana	Pointe Coupee
Louisiana	St Bernard
Louisiana	St Charles
Louisiana	St James
Louisiana	St John The Baptist
Louisiana	St Mary

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STATE	COUNTY
Louisiana	West Baton Rouge
Maine	Cumberland
Maine	Hancock
Maine	Kennebec
Maine	Knox
Maine	Oxford
Maine	Penobscot
Maine	Sagadahoc
Maine	York
Maryland	Anne Arundel
Maryland	Baltimore
Maryland	Carroll
Maryland	Cecil
Maryland	Charles
Maryland	Frederick
Maryland	Harford
Maryland	Kent
Maryland	Montgomery
Maryland	Prince Georges
Maryland	Washington
Massachusetts	Barnstable
Massachusetts	Berkshire
Massachusetts	Bristol
Massachusetts	Essex
Massachusetts	Hampden
Massachusetts	Hampshire
Massachusetts	Middlesex
Massachusetts	Norfolk
Massachusetts	Suffolk
Massachusetts	Worcester
Michigan	Allegan
Michigan	Benzie
Michigan	Berrien
Michigan	Cass
Michigan	Clinton
Michigan	Genesee
Michigan	Huron
Michigan	Ingham

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STATE	COUNTY
Michigan	Kalamazoo
Michigan	Kent
Michigan	Lenawee
Michigan	Macomb
Michigan	Mason
Michigan	Missaukee
Michigan	Muskegon
Michigan	Oakland
Michigan	Ottawa
Michigan	Schoolcraft
Michigan	St Clair
Michigan	Washtenaw
Michigan	Wayne
Minnesota	Anoka
Minnesota	Carlton
Minnesota	Dakota
Minnesota	Lake
Minnesota	Mille Lacs
Minnesota	Scott
Minnesota	St Louis
Minnesota	Washington
Mississippi	Adams
Mississippi	Bolivar
Mississippi	De Soto
Mississippi	Hancock
Mississippi	Harrison
Mississippi	Hinds
Mississippi	Jackson
Mississippi	Lauderdale
Mississippi	Lee
Mississippi	Madison
Mississippi	Warren
Missouri	Cass
Missouri	Cedar
Missouri	Clay
Missouri	Greene
Missouri	Jefferson
Missouri	Monroe

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STATE	COUNTY
Missouri	Platte
Missouri	St Charles
Missouri	St Louis
Missouri	St Louis City
Missouri	Ste Genevieve
Montana	Flathead
Nebraska	Douglas
Nebraska	Lancaster
Nevada	Carson City
Nevada	Clark
Nevada	Douglas
Nevada	Washoe
Nevada	White Pine
New Hampshire	Belknap
New Hampshire	Carroll
New Hampshire	Cheshire
New Hampshire	Coos
New Hampshire	Grafton
New Hampshire	Hillsborough
New Hampshire	Merrimack
New Hampshire	Rockingham
New Hampshire	Strafford
New Hampshire	Sullivan
New Jersey	Atlantic
New Jersey	Bergen
New Jersey	Camden
New Jersey	Cumberland
New Jersey	Essex
New Jersey	Gloucester
New Jersey	Hudson
New Jersey	Hunterdon
New Jersey	Mercer
New Jersey	Middlesex
New Jersey	Monmouth
New Jersey	Morris
New Jersey	Ocean
New Jersey	Passaic
New Mexico	Bernalillo

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STATE	COUNTY
New Mexico	Dona Ana
New Mexico	Eddy
New Mexico	San Juan
New Mexico	Sandoval
New Mexico	Valencia
New York	Albany
New York	Bronx
New York	Chautauqua
New York	Chemung
New York	Dutchess
New York	Erie
New York	Essex
New York	Hamilton
New York	Herkimer
New York	Jefferson
New York	Madison
New York	Monroe
New York	Niagara
New York	Oneida
New York	Onondaga
New York	Orange
New York	Oswego
New York	Putnam
New York	Queens
New York	Rensselaer
New York	Richmond
New York	Saratoga
New York	Schenectady
New York	Suffolk
New York	Ulster
New York	Wayne
New York	Westchester
North Carolina	Alexander
North Carolina	Avery
North Carolina	Buncombe
North Carolina	Caldwell
North Carolina	Caswell
North Carolina	Chatham

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STATE	COUNTY
North Carolina	Cumberland
North Carolina	Davie
North Carolina	Duplin
North Carolina	Durham
North Carolina	Edgecombe
North Carolina	Forsyth
North Carolina	Franklin
North Carolina	Granville
North Carolina	Guilford
North Carolina	Haywood
North Carolina	Jackson
North Carolina	Johnston
North Carolina	Lenoir
North Carolina	Lincoln
North Carolina	Martin
North Carolina	Mecklenburg
North Carolina	New Hanover
North Carolina	Northampton
North Carolina	Person
North Carolina	Pitt
North Carolina	Randolph
North Carolina	Rockingham
North Carolina	Rowan
North Carolina	Swain
North Carolina	Union
North Carolina	Wake
North Carolina	Yancey
North Dakota	Billings
North Dakota	Cass
North Dakota	Dunn
North Dakota	McKenzie
North Dakota	Mercer
North Dakota	Oliver
Ohio	Allen
Ohio	Ashtabula
Ohio	Butler
Ohio	Clark
Ohio	Clermont

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STATE	COUNTY
Ohio	Clinton
Ohio	Cuyahoga
Ohio	Delaware
Ohio	Franklin
Ohio	Geauga
Ohio	Greene
Ohio	Hamilton
Ohio	Jefferson
Ohio	Knox
Ohio	Lake
Ohio	Lawrence
Ohio	Licking
Ohio	Lorain
Ohio	Lucas
Ohio	Madison
Ohio	Mahoning
Ohio	Medina
Ohio	Miami
Ohio	Montgomery
Ohio	Portage
Ohio	Preble
Ohio	Stark
Ohio	Summit
Ohio	Trumbull
Ohio	Warren
Ohio	Washington
Ohio	Wood
Oklahoma	Adair
Oklahoma	Canadian
Oklahoma	Cherokee
Oklahoma	Cleveland
Oklahoma	Comanche
Oklahoma	Dewey
Oklahoma	Kay
Oklahoma	Mc Clain
Oklahoma	Oklahoma
Oklahoma	Ottawa
Oklahoma	Pittsburg

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STATE	COUNTY
Oklahoma	Tulsa
Oregon	Clackamas
Oregon	Columbia
Oregon	Jackson
Oregon	Lane
Oregon	Marion
Pennsylvania	Adams
Pennsylvania	Allegheny
Pennsylvania	Armstrong
Pennsylvania	Beaver
Pennsylvania	Berks
Pennsylvania	Blair
Pennsylvania	Bucks
Pennsylvania	Cambria
Pennsylvania	Centre
Pennsylvania	Chester
Pennsylvania	Clearfield
Pennsylvania	Dauphin
Pennsylvania	Delaware
Pennsylvania	Erie
Pennsylvania	Franklin
Pennsylvania	Greene
Pennsylvania	Lackawanna
Pennsylvania	Lancaster
Pennsylvania	Lawrence
Pennsylvania	Lehigh
Pennsylvania	Luzerne
Pennsylvania	Lycoming
Pennsylvania	Mercer
Pennsylvania	Montgomery
Pennsylvania	Northampton
Pennsylvania	Perry
Pennsylvania	Philadelphia
Pennsylvania	Tioga
Pennsylvania	Washington
Pennsylvania	Westmoreland
Pennsylvania	York
Rhode Island	Kent

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STATE	COUNTY
Rhode Island	Providence
Rhode Island	Washington
South Carolina	Abbeville
South Carolina	Aiken
South Carolina	Anderson
South Carolina	Barnwell
South Carolina	Berkeley
South Carolina	Charleston
South Carolina	Cherokee
South Carolina	Chester
South Carolina	Chesterfield
South Carolina	Colleton
South Carolina	Darlington
South Carolina	Edgefield
South Carolina	Oconee
South Carolina	Pickens
South Carolina	Richland
South Carolina	Spartanburg
South Carolina	Union
South Carolina	Williamsburg
South Carolina	York
South Dakota	Pennington
Tennessee	Anderson
Tennessee	Blount
Tennessee	Davidson
Tennessee	Hamilton
Tennessee	Haywood
Tennessee	Jefferson
Tennessee	Knox
Tennessee	Lawrence
Tennessee	Meigs
Tennessee	Putnam
Tennessee	Rutherford
Tennessee	Sevier
Tennessee	Shelby
Tennessee	Sullivan
Tennessee	Sumner
Tennessee	Williamson

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STATE	COUNTY
Tennessee	Wilson
Texas	Bexar
Texas	Brazoria
Texas	Brewster
Texas	Cameron
Texas	Collin
Texas	Dallas
Texas	Denton
Texas	El Paso
Texas	Ellis
Texas	Galveston
Texas	Gregg
Texas	Harris
Texas	Harrison
Texas	Hidalgo
Texas	Hood
Texas	Jefferson
Texas	Johnson
Texas	Kaufman
Texas	Montgomery
Texas	Nueces
Texas	Orange
Texas	Parker
Texas	Rockwall
Texas	Smith
Texas	Tarrant
Texas	Travis
Texas	Victoria
Texas	Webb
Utah	Box Elder
Utah	Cache
Utah	Davis
Utah	Salt Lake
Utah	San Juan
Utah	Utah
Utah	Weber
Vermont	Bennington
Vermont	Chittenden

NOTES:

1. Twenty-eight counties are projected to violate the 2008 8-hour ozone standard of 0.075 ppm.
2. Future ozone levels were projected only for counties with monitoring data and within the contiguous 48 states.
3. Modeled emissions reflect the expected reductions from federal programs including the Clean Air Interstate Rule, the Clean Air Mercury Rule, the Clean Air Visibility Rule, the Clean Air Nonroad Diesel Rule, the Light-Duty Vehicle Tier 2 Rule, the Heavy Duty Diesel Rule, proposed rules for Locomotive and Marine vessels and for Small Spark-Ignition Engines; as well as illustrative state and local level mobile and stationary source controls identified for the purpose of attaining the 1997 ozone and 2006 PM2.5 standards. States may choose to apply different control strategies for implementation.

Counties Projected to Violate 2008 Ozone Standard in 2020

(Model projections for 2020)
(Only includes counties with monitors)

	Not projected to violate 2008 8-hour ozone standard of 0.075 parts per million
	Projected to violate the 2008 8-hour ozone standard of 0.075 parts per million

STATE	COUNTY
Virginia	Alexandria City
Virginia	Arlington
Virginia	Caroline
Virginia	Charles City
Virginia	Chesterfield
Virginia	Fairfax
Virginia	Fauquier
Virginia	Frederick
Virginia	Hampton City
Virginia	Hanover
Virginia	Henrico
Virginia	Loudoun
Virginia	Madison
Virginia	Page
Virginia	Prince William
Virginia	Roanoke
Virginia	Rockbridge
Virginia	Stafford
Virginia	Suffolk City
Virginia	Wythe
Washington	Clallam
Washington	Clark
Washington	King
Washington	Klickitat
Washington	Mason
Washington	Pierce
Washington	Skagit
Washington	Spokane
Washington	Thurston
Washington	Whatcom
West Virginia	Berkeley
West Virginia	Cabell
West Virginia	Greenbrier
West Virginia	Hancock
West Virginia	Kanawha
West Virginia	Monongalia
West Virginia	Ohio
West Virginia	Wood

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Counties Projected to Violate 2008 Ozone Standard in 2020

(Model projections for 2020)
(Only includes counties with monitors)

	Not projected to violate 2008 8-hour ozone standard of 0.075 parts per million
	Projected to violate the 2008 8-hour ozone standard of 0.075 parts per million

STATE	COUNTY
Wisconsin	Brown
Wisconsin	Columbia
Wisconsin	Dane
Wisconsin	Dodge
Wisconsin	Door
Wisconsin	Florence
Wisconsin	Fond Du Lac
Wisconsin	Green
Wisconsin	Jefferson
Wisconsin	Kenosha
Wisconsin	Kewaunee
Wisconsin	Manitowoc
Wisconsin	Marathon
Wisconsin	Milwaukee
Wisconsin	Oneida
Wisconsin	Outagamie
Wisconsin	Ozaukee
Wisconsin	Racine
Wisconsin	Rock
Wisconsin	Sauk
Wisconsin	Sheboygan
Wisconsin	St Croix
Wisconsin	Vernon
Wisconsin	Vilas
Wisconsin	Walworth
Wisconsin	Washington
Wisconsin	Waukesha
Wisconsin	Winnebago
Wyoming	Campbell
Wyoming	Teton

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