

Chapter 3

Justifications in Support of EPA's Responses to State Designation Recommendations

Fields:

Region - EPA Regional Office number

State - State postal abbreviation

County - County or county equivalent name

EPA - EPA intended designation, P for partial county, W for whole county

State - State nonattainment recommendation, P for partial county, W for whole county

Area - Square miles occupied by the county

VOC - Tons of volatile organic carbons emitted annually from all sources within the county (1999 National Emission Inventory Draft Version 3)

NOx - Tons of oxides of nitrogen emitted annually from all sources within the county (1999 National Emission Inventory Draft Version 3)

VMT - Millions of miles traveled within the county in 1999 (EPA National Air Pollutant Emission Trends)

Commute - Percentage of that county that drive to work in the area

Pop - 2000 population (US Census Bureau)

90-00 Population growth from 1990 to 2000 in percent (US Census Bureau)

00-10 Population growth projected from 2000 to 2010 in percent (State Information)

Wind - Indicating upwind/downwind

Topo - Indications of significant topological features

* - In violation of the standard with preliminary 2001-2003 data

** - Attaining the standard with preliminary 2001-2003 data

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop	90-00	00-10	Wind	Topo
Region 1														
Central Maine Coast Area														
1	ME	Hancock	P	P	2,049	5,201	4,279	666		51,791	10.3%	9.4%		
Central Maine Coast is non-MSA area. Town boundaries, which are important in New England, define the nonattainment area - not counties. Area includes violating monitors and is clearly bounded by monitors which attain the standard. Rural non-MSA area. Covers coastal towns and NA area is bounded by attaining monitors. Excluded towns have population density of 45 persons per square mile, and included area has population density of only 84 persons per square mile. Violating monitors in Acadia National Park.														
1	ME	Knox	P	P	463	4,440	3,272	364		39,618	9.1%	8.0%		
Central Maine Coast is non-MSA area. Town boundaries, which are important in New England, define the nonattainment area - not counties. Area includes violating monitors and is clearly bounded by monitors which attain the standard. Rural non-MSA area. Covers coastal towns and NA area is bounded by attaining monitors. Excluded towns have population density of 45 persons per square mile, and included area has population density of only 84 persons per square mile. RACT and NSR required throughout county.														
1	ME	Lincoln	P	P	534	6,862	1,405	377		33,616	10.7%	8.6%		

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
1	ME	Waldo	P	P	821	3,257	2,011	405		36,280	9.9%	9.0%	
Central Maine Coast in non-MSA area. Town boundaries, which are important in New England, define the nonattainment area - not counties. Area includes violating monitors and is clearly bounded by monitors which attain the standard. Rural non-MSA area. Covers coastal towns and NA area is bounded by attaining monitors. Excluded towns have population density of 45 persons per square mile, and included area has population density of only 84 persons per square mile.													
Eastern Massachusetts Area (Boston)													
1	MA	Barnstable	W	W	449	19,674	17,208	2,228		222,230	19.1%	23.3%	
Includes the Truro monitor, outside the Boston CMSA.													
1	MA	Bristol	W	W	589	26,570	36,132	4,222		534,678	5.6%	3.9%	
Bristol County is split between the Providence CMSA, and the Boston CMSA. The entire county is recommended to be nonattainment and part of the Eastern MA area. MA supports the split of NH.													
1	MA	Dukes	W	W	119	3,512	604	80		14,987	28.8%	44.5%	
No issues. Non-MSA.													
1	MA	Essex	W	W	533	37,069	35,556	5,763		723,419	8.0%	4.5%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
1	MA	Middlesex	W	W	846	72,358	56,827	11,155		1,465,396	4.8%	1.6%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
1	MA	Nantucket	W	W	57	2,324	392	39		9,520	58.3%	10.6%	
No issues. Non-MSA.													
1	MA	Norfolk	W	W	410	35,483	27,661	6,230		650,308	5.6%	4.1%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
1	MA	Plymouth	W	W	716	27,550	16,608	3,505		472,822	8.6%	7.4%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
1	MA	Suffolk	W	W	119	28,868	51,715	2,706		689,807	3.9%	0.9%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
1	MA	Worcester	W	W	1,576	41,049	33,044	7,163		750,963	5.8%	9.8%	
Full county covered. Supports the split of NH and preexisting one-hour NA boundaries for E. MA													
Greater Connecticut Area													
1	CT	Hartford	W	W	750	45,208	31,753	7,770		857,183	0.6%	1.3%	
No issues.													
1	CT	Litchfield	W	W	943	12,704	5,515	1,117		182,193	4.7%	5.5%	
County is split between Hartford and NYC area CMSA. Entire county put in Hartford (Greater CT) area.													

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
1	CT	New London	W	W	695	16,863	14,413	2,807		259,088	1.6%	4.6%	
No issues.													
1	CT	Tolland	W	W	416	7,491	5,897	1,378		136,364	6.0%	4.3%	
No issues.													
1	CT	Windham	W	W	521	7,000	5,604	1,169		109,091	6.4%	2.0%	
No issues.													
<i>New York City Metropolitan Area, NY-NJ-PA-CT</i>													
1	CT	Fairfield	W	W	651	46,595	38,493	7,581		882,567	6.6%	-2.8%	
No issues.													
1	CT	Middlesex	W	W	386	10,650	9,886	1,478		155,071	8.3%	-0.8%	
County is split between Hartford and NYC area CMSA. Entire county put in NYC area CMSA Includes Middletown monitor.													
1	CT	New Haven	W	W	622	43,207	33,632	6,626		824,008	2.5%	1.7%	
No issues.													
<i>Rhode Island Area</i>													
1	RI	Bristol	W	W	32	2,708	1,250	272		50,648	3.7%	-2.8%	
Full county covered. RI supports the split of Bristol County MA which is part in the Providence CMSA and part in the Boston CMSA, consistent with 1-hour boundaries for E. MA and RI.													
1	RI	Kent	W	W	176	10,218	6,551	1,441		167,090	3.7%	-0.2%	
Full county covered. RI supports the split of Bristol County MA which is part in the Providence CMSA and part in the Boston CMSA, consistent with 1-hour boundaries for E. MA and RI.													
1	RI	Newport	W	W	133	5,733	2,696	596		85,433	-2.0%	9.5%	
Full county covered. RI supports the split of Bristol County MA which is part in the Providence CMSA and part in the Boston CMSA, consistent with 1-hour boundaries for E. MA and RI.													
1	RI	Providence	W	W	431	34,892	25,585	4,819		621,602	4.2%	-4.7%	
Full county covered. RI supports the split of Bristol County MA which is part in the Providence CMSA and part in the Boston CMSA, consistent with 1-hour boundaries for E. MA and RI.													
1	RI	Washington	W	W	352	9,073	5,608	1,155		123,546	12.3%	4.7%	
Full county covered. RI supports the split of Bristol County MA which is part in the Providence CMSA and part in the Boston CMSA, consistent with 1-hour boundaries for E. MA and RI.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
Southern New Hampshire Area (Boston)													
1	NH	Hillsborough	P	P	891	20,022	18,203	3,265		380,841	13.3%	12.8%	
New Hampshire portion of Boston CMSA is defined town-by-town, as is the case for the rest of New England. The CMSA includes 19 of 32 towns in Hillsborough Co. Total population in NH portion of CMSA is 739,003. NH recommendation covers 695,043. 6 towns from CMSA in this county not included in NH recommended area, with an average of 152 persons per square mile. Total population in the 6 excluded towns is 18,584. No major sources in towns in the MSA not included in recommendation. RACT and NSR are required throughout county.													
1	NH	Merrimack	P	P	955	8,526	17,218	1,624		136,225	13.5%	13.9%	
New Hampshire portion of Boston CMSA is defined town-by-town, as is the case for the rest of New England. The CMSA includes only 2 towns in Merrimack Co. Total population in NH portion of CMSA is 739,003. NH recommendation covers 695,043. 1 town from CMSA in this county not included in State's recommendation, with an average of 152 persons per square mile. Total population in the 1 excluded town is 4,649. No major sources in towns in the MSA not included in recommendation. RACT and NSR are required throughout county. The Town of Bow, not inside but adjacent to the CMSA has a large Power Plant that is fully controlled with SCR, which has a federally approved permit. NH does have a trading program but is not part of the NOx SIP call.													
1	NH	Rockingham	P	P	725	16,745	20,323	2,630		277,359	12.8%	12.9%	
New Hampshire portion of Boston CMSA is defined town-by-town, as is the case for the rest of New England. The CMSA includes all but 3 towns in Rockingham Co. All the towns in the CMSA are covered in this county. Total population in NH portion of CMSA is 739,003. NH recommendation covers 695,043. Again, New Hampshire's 8-hour recommendation includes all towns that are in the CMSA.													
1	NH	Strafford	P	P	383	5,773	5,136	957		112,233	7.7%	11.1%	
New Hampshire portion of Boston CMSA is defined town-by-town, as is the case for the rest of New England. The CMSA includes all but 2 towns in Strafford Co. Total population in NH portion of CMSA is 739,003. NH recommendation covers 695,043. 5 towns from CMSA not included in this county, with an average of 152 persons per square mile. Total population in the 5 excluded towns is 20,727. No major sources in towns in the MSA not included in recommendation. RACT and NSR are required throughout county.													
Southwest Maine Coast Area													
1	ME	Androscoggin	P	P	497	5,775	4,198	876		103,793	-1.4%	0.0%	
Southwest Maine Coast (Portland, Maine) area covers all MSA cities and towns, and additional areas. New England MSAs are defined town-by-town. Population covered is 456,609, while only 294,862 are in the MSA towns. Includes 1 non MSA town. No violating MSA in county. RACT and NSR required throughout the county.													
1	ME	Cumberland	P	P	1,031	20,799	23,888	2,639		265,612	9.2%	7.7%	
Southwest Maine Coast (Portland, Maine) area covers all MSA cities and towns, and additional areas. New England MSAs are defined town-by-town. Population covered is 456,609, while only 294,862 are in the MSA towns. All MSA towns are covered and 2 towns outside the MSA. Population density in towns included in recommended area is 290 persons per square mile while those not included are 69 persons per square mile. Does not cover previous 1-hour NA boundary. RACT and NSR required throughout the county.													
1	ME	Sagadahoc	W	W	299	3,184	1,810	441		35,214	5.0%	5.1%	
No issues													
1	ME	York	P	P	1,021	11,053	9,506	2,093		186,742	13.5%	10.5%	
Southwest Maine Coast (Portland, Maine) area covers all MSA cities and towns, and additional areas. New England MSAs are defined town-by-town. Population covered is 456,609, while only 294,862 are in the MSA towns. Includes 5 cities and towns from Boston CMSA and towns in the Portland MSA. All MSA towns are covered and more coastal towns outside the MSA. Population density in towns included in recommended area is 290 persons per square mile while those not included are 69 persons per square mile. Does not cover previous 1-hour NA boundary, but RACT and NSR required throughout the entire county.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
Western Massachusetts Area													
1	MA	Berkshire	W	W	945	10,359	7,964	1,763		134,953	-3.2%	5.9%	
No issues.													
1	MA	Franklin	W	W	723	7,288	4,774	1,269		71,535	2.1%	10.6%	
No issues.													
1	MA	Hampden	W	W	633	22,032	20,107	3,781		456,228	0.0%	2.5%	
No issues.													
1	MA	Hampshire	W	W	545	9,365	6,724	1,606		152,251	3.9%	24.1%	
No issues.													
Region 2													
* Albany Metropolitan Area, NY													
2	NY	Albany	W		533	16,641	23,131	3,008		294,565	0.7%	0.3%	
Discuss 11 factors with state to determine extent of area if in violation.													
2	NY	Greene	W		657	3,448	7,143	614		48,195	7.7%	5.4%	
Discuss 11 factors with state to determine extent of area if in violation.													
2	NY	Montgomery	W		410	3,551	4,235	664		49,708	-4.4%	-7.4%	
Discuss 11 factors with state to determine extent of area if in violation.													
2	NY	Rensselaer	W		664	8,284	6,770	1,617		152,538	-1.2%	-3.0%	
Review 11 factors with state													
2	NY	Saratoga	W		843	10,179	8,606	1,947		200,635	10.7%	6.3%	
Discuss 11 factors with state to determine extent of area if in violation.													
2	NY	Schenectady	W		209	8,175	6,947	1,622		146,555	-1.8%	-4.4%	
Discuss 11 factors with state to determine extent of area if in violation.													
2	NY	Schoharie	W		625	2,299	1,927	379		31,582	-0.9%	-3.1%	
Discuss 11 factors with state to determine extent of area if in violation.													
Buffalo- Niagara Falls, NY Area													
2	NY	Erie	W	W	1,051	51,862	47,958	8,207	97 Buffalo--Niagara	950,265	-1.9%	-4.6%	
2	NY	Niagara	W	W	531	16,160	19,374	1,861	97 Buffalo--Niagara	219,846	-0.4%	-2.8%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
<i>Essex County, NY Area (Whiteface Mountain)</i>												
2 NY		Essex	P	1,912	4,517	4,185	741		38,851	4.6%	3.3%	
<i>Jamestown, NY Area</i>												
2 NY		Chautauqua	W W	1,083	12,003	16,542	1,571	89 Jamestown, NY	139,750	-1.5%	-1.7%	
<i>Jefferson County, NY Area</i>												
2 NY		Jefferson	W W	1,354	10,527	8,074	1,309	2 Syracuse, NY MS	111,738	0.7%	-0.2%	
<i>New York City Metropolitan Area, NY-NJ-PA-CT</i>												
2 NJ		Bergen	W W	243	39,234	29,042	6,374	99 New York--North	884,118	7.1%	5.1%	
2 NJ		Essex	W W	129	32,095	28,638	6,019	99 New York--North	793,633	2.0%	-0.8%	
2 NJ		Hudson	W W	54	22,625	26,029	4,279	99 New York--North	608,975	10.1%	-0.5%	
2 NJ		Hunterdon	W W	437	6,397	8,716	1,694	96 New York--North	121,989	13.2%	14.7%	
2 NJ		Middlesex	W W	317	35,330	27,117	5,462	99 New York--North	750,162	11.7%	7.2%	
2 NJ		Monmouth	W W	485	27,126	19,976	4,822	99 New York--North	615,301	11.2%	11.4%	
2 NJ		Morris	W W	481	21,194	16,906	3,672	99 New York--North	470,212	11.6%	10.7%	
2 NJ		Ocean	W W	756	22,822	14,421	3,370	94 New York--North	510,916	17.9%	12.7%	Wind rose, trajectories show upwind of NYC metro area
Upwind of NYC metro area and not affected by it. Most commuting stays within the county.												
2 NJ		Passaic	W W	197	18,142	14,333	3,382	99 New York--North	489,049	7.9%	3.0%	
2 NJ		Somerset	W W	305	11,870	10,142	2,044	98 New York--North	297,490	23.8%	17.2%	
2 NJ		Sussex	W W	535	6,331	5,290	1,182	99 New York--North	144,166	10.1%	12.4%	
2 NJ		Union	W W	105	29,741	21,820	3,821	99 New York--North	522,541	5.8%	1.6%	
2 NJ		Warren	W W	362	6,985	6,700	1,376	94 New York--North	102,437	11.8%	9.2%	
2 NY		Bronx	W W	43	27,125	22,144	6,121	99 New York--North	1,332,650	10.7%	6.9%	

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo	
2 NY	Dutchess		W	W	824	15,637	12,283	2,785	93 New York--North	280,150	8.0%	4.8%	Downwind / crosswind of NYC area upwind of Mass.	Hudson Highlands
<p>Keep in CMSA due to impact on downwind areas, growth is positive, population 2%, emissions 3% and VMT 2% of rest of CMSA> 'Opposing factors: Pop. density 1/4 nearby CMSA. VOC, NOx density 1/3 nearby CMSA, commuting pattern 18% to rest of CMSA. Keep in CMSA due to combined impact on downwind areas, growth is positive, population, emissions and VMT about 5% of rest of CMSA> 'Opposing factors: Sharp decrease in Pop., VOC, and NOx density from nearby suburban counties, but some areas have strong commuting link to NYC metro area. Dutchess, Putnam and northern Orange are a separate 1-hr N/A area.</p> <p>Note that all areas in New York and New Jersey are subject to the NOx SIP Call and must require offsets for new sources as part of the Ozone Transport Region. Previous NOx SIP Call modeling and base case 2010 Clear Skies modeling predict that all areas in NY State outside the NYC metro area will attain the 8-hour ozone standard with presently planned controls.</p>														
2 NY	Kings		W	W	67	54,829	45,706	11,703	99 New York--North	2,465,326	7.2%	2.7%		
2 NY	Nassau		W	W	311	52,239	31,698	6,534	99 New York--North	1,334,544	3.7%	-1.7%		
2 NY	New York		W	W	23	53,916	47,593	7,567	98 New York--North	1,537,195	3.3%	3.2%		
2 NY	Orange		W	W	837	17,580	24,718	3,534	97 New York--North	341,367	11.0%	8.5%	Downwind / crosswind of NYC area upwind of Mass.	Hudson Highlands
<p>Keep in CMSA due to impact on downwind areas, growth is positive, population 3%, emissions 3-4% and VMT 3% of rest of CMSA> 'Opposing factors: Pop. density 1/4 nearby CMSA. VOC, 1/3 nearby CMSA, but need more info on commuting pattern to rest of CMSA, but NOx density 3/5 of nearby counties. Keep in CMSA due to combined impact on downwind areas, growth is positive, population, emissions and VMT about 5% of rest of CMSA> 'Opposing factors: Sharp decrease in Pop., VOC, and NOx density from nearby suburban counties, but some areas have strong commuting link to NYC metro area. Dutchess, Putnam and northern Orange are a separate 1-hr N/A area.</p> <p>Note that all areas in New York and New Jersey are subject to the NOx SIP Call and must require offsets for new sources as part of the Ozone Transport Region. Previous NOx SIP Call modeling and base case 2010 Clear Skies modeling predict that all areas in NY State outside the NYC metro area will attain the 8-hour ozone standard with presently planned controls.</p>														
2 NY	Putnam		W	W	246	4,632	3,332	745	91 New York--North	95,745	14.1%	8.4%	Downwind / crosswind of NYC area upwind of Mass.	Hudson Highlands
<p>Keep in CMSA due to impact on downwind areas, growth is positive, commuting pattern 56% to rest of CMSA. Opposing factors: population 0.5%, emissions and VMT <1% of rest of CMSA. Pop. density 1/4 nearby CMSA. VOC, NOx density 1/3 nearby CMSA, commuting pattern 56% to rest of CMSA. Keep in CMSA due to combined impact on downwind areas, growth is positive, population, emissions and VMT about 5% of rest of CMSA> 'Opposing factors: Sharp decrease in Pop., VOC, and NOx density from nearby suburban counties, but some areas have strong commuting link to NYC metro area. Dutchess, Putnam and northern Orange are a separate 1-hr N/A area.</p> <p>Note that all areas in New York and New Jersey are subject to the NOx SIP Call and must require offsets for new sources as part of the Ozone Transport Region. Previous NOx SIP Call modeling and base case 2010 Clear Skies modeling predict that all areas in NY State outside the NYC metro area will attain the 8-hour ozone standard with presently planned controls.</p>														

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
2	NY	Queens	W	W	110	53,171	60,330	9,924	99 New York--North	2,229,379	14.2%	10.0%	
2	NY	Richmond	W	W	62	16,358	9,160	1,929	99 New York--North	443,728	17.1%	14.0%	
2	NY	Rockland	W	W	199	10,051	14,266	1,343	98 New York--North	286,753	8.0%	1.7%	
2	NY	Suffolk	W	W	1,075	65,921	42,185	7,094	99 New York--North	1,419,369	7.4%	2.6%	
2	NY	Westchester	W	W	476	33,788	21,082	4,274	95 New York--North	923,459	5.6%	0.4%	

Philadelphia, DE-MD-NJ-PA Area

2	NJ	Atlantic	W	W	609	12,414	9,028	2,063	98 Philadelphia--Wi	252,552	12.6%	8.7%	
NJ requested keep with 1999 CMSA													
2	NJ	Burlington	W	W	819	18,946	16,015	3,568	85 Philadelphia--Wi	423,394	7.2%	9.8%	
2	NJ	Camden	W	W	227	21,758	18,382	4,199	96 Philadelphia--Wi	508,932	1.2%	4.3%	
2	NJ	Cape May	W	W	284	12,148	8,502	687	98 Philadelphia--Wi	102,326	7.6%	4.2%	
NJ requested keep with 1999 CMSA													
2	NJ	Cumberland	W	W	503	9,632	7,106	1,094	99 Philadelphia--Wi	146,438	6.1%	1.7%	
2	NJ	Gloucester	W	W	337	15,486	22,900	2,196	97 Philadelphia--Wi	254,673	10.7%	9.2%	
2	NJ	Mercer	W	W	229	16,481	28,759	3,556	7 Philadelphia--Wil	350,761	7.7%	3.4%	Wind rose, trajectories show upwind of NYC metro area

In Philadelphia 1h N/A area and transportation area. Not affected by NYC area.

2	NJ	Salem	W	W	348	8,184	5,240	681	98 Philadelphia--Wi	64,285	-1.5%	3.0%	
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Rochester, NY Area

2	NY	Genesee	W		496	4,222	4,632	753	86 Rochester, NY	60,370	0.5%	-2.7%	
Rochester MSA violating, part contributor to Jefferson Co.													
2	NY	Livingston	W		638	4,191	3,998	838	94 Rochester, NY	64,328	3.1%	3.2%	
Rochester MSA violating, part contributor to Jefferson Co.													
2	NY	Monroe	W		665	46,786	38,961	6,549	99 Rochester, NY	735,343	3.0%	-0.3%	
Rochester MSA violating, part contributor to Jefferson Co.													
2	NY	Ontario	W		661	6,155	6,093	1,119	95 Rochester, NY	100,224	5.4%	2.9%	
Rochester MSA violating, part contributor to Jefferson Co.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
2	NY	Orleans	W		392	5,455	2,047	394	91 Rochester, NY	44,171	5.6%	5.2%	
Rochester MSA violating, part contributor to Jefferson Co.													
2	NY	Wayne	W		611	10,812	5,811	895	96 Rochester, NY	93,765	5.2%	2.7%	
Rochester MSA violating, part contributor to Jefferson Co.													
*Syracuse, NY Area													
2	NY	Cayuga	W		734	5,200	5,123	785	87 Syracuse, NY M	81,963	-0.4%	-2.5%	
1 monitor violating, does not contribute to Jefferson Co.													
2	NY	Madison	W		660	3,822	3,738	691	83 Syracuse, NY M	69,441	0.5%	-0.1%	
1 monitor violating, does not contribute to Jefferson Co.													
2	NY	Onondaga	W		804	26,146	21,070	4,323	97 Syracuse, NY M	458,336	-2.3%	-3.4%	
1 monitor violating, does not contribute to Jefferson Co.													
2	NY	Oswego	W		1,017	9,424	9,141	1,312	95 Syracuse, NY M	122,377	0.5%	0.8%	
1 monitor violating, does not contribute to Jefferson Co.													

Region 3

Adams-York, PA Area

3	PA	Adams	W	W	521	4,681	3,891	731	25 York, PA MSA	91,292	16.6%	6.3%	
3	PA	York	W	W	909	24,348	35,369	3,284	74 York, PA MSA	381,751	12.4%	5.6%	

Allentown-Bethlehem, PA Area

3	PA	Carbon	W	W	388	3,507	4,176	754	73 Allentown--Bethl	58,802	3.4%	9.4%	
3	PA	Lehigh	W	W	348	15,639	12,684	2,652	87 Allentown--Bethl	312,090	7.2%	2.6%	
3	PA	Northampton	W	W	377	11,163	22,854	2,083	79 Allentown--Bethl	267,066	8.1%	7.5%	

***Altoona, PA Area**

3	PA	Blair	W		527	6,873	6,615	1,173	2 Johnstown, PA M	129,144	-1.1%	-1.7%	
The Altoona nonattainment area consists of Blair County. This county is the only county in the Altoona MSA and contains a violating ozone monitor.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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Baltimore, MD Area

3	MD	Anne Arundel	W	W	452	21,996	48,091	4,039	99	Washington--Bal	489,656	14.6%	8.7%
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The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	MD	Baltimore	W	W	624	28,804	45,274	6,437	99	Washington--Bal	754,292	9.0%	3.0%
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The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>	
3	MD	Baltimore City	W	W	87	22,878	35,393	6,290	99	Washington--Bal	651,154	-11.5%	0.8%

The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	MD	Carroll	W	W	453	12,945	11,819	1,479	98	Washington--Bal	150,897	22.3%	15.1%
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The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	MD	Harford	W	W	460	11,630	8,948	2,028	96 Washington--Bal	218,590	20.0%	8.6%	

The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	MD	Howard	W	W	253	13,181	10,282	2,019	99 Washington--Bal	247,842	32.3%	10.6%	
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The Baltimore 8-hour ozone nonattainment area consists of Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. The Maryland portion of the Washington Area consists of Calvert County, Charles County, Frederick County, Montgomery County, and Prince Georges County. By keeping Baltimore and Washington as separate ozone nonattainment areas, EPA will require that the classification of both areas be the same. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Baltimore and the Washington Areas are currently separate 1-hour ozone nonattainment areas classified as severe. Based on the 1999 Office of Management & Budget (OMB) definition of metropolitan areas, the Baltimore and the Washington Areas are Primary Metropolitan Statistical Areas (PMSA) within the Washington-Baltimore CMSA. In the November 6, 1991 Air Quality Designations and Classifications Final Rule (56 FR 56694), EPA established Baltimore and Washington as separate 1-hour ozone nonattainment areas. These boundaries were based on the PMSA grouping. The Baltimore and Washington Areas are two fairly large metropolitan areas on their own and to combine them would disrupt the current air quality planning processes and, instead, create a new and very cumbersome air quality planning process for the states involved. For years, these areas have worked separately and effectively within their own Metropolitan Planning Organizations (MPOs). Maryland and Virginia, who are part of the Washington-Baltimore CMSA strongly recommend EPA to recognize and maintain the current planning processes that have cooperatively undertaken the necessary air quality planning and transportation conformity processes. The complexity of the planning for attainment of the 8-hour ozone standard requires that, where feasible and reasonable, successful existing air quality planning processes be preserved. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

***Berkeley & Jefferson Counties, WV Area**

3	WV	Berkeley	W		321	5,913	8,843	891	90 Washington--Bal	75,905	28.1%	18.6%	
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Berkeley and Jefferson counties are being designated as an 8-hour ozone nonattainment area separate from the Washington D.C. nonattainment area. These two counties have an approved Early Action Compact (EAC). An examination of several specific individual criteria has been done and these support the case for separation of these 2 counties from the Washington D.C. area. The Figures 1 through 4 showing population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area support the separation of the Berkeley and Jefferson "Panhandle" Area from the core Washington D.C. area. These figures show how characteristically different this Panhandle Area is from the Washington D.C. core. Although as an approved EAC area, Berkeley and Jefferson counties' nonattainment designation would be deferred, if EAC milestones or requirements were not met and the nonattainment designation is implemented, EPA would require Berkeley and Jefferson counties to be classified at the same classification as the Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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3	WV	Jefferson	W		211	3,026	2,917	333	96 Washington--Bal	42,190	17.4%	16.9%	
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Berkeley and Jefferson counties are being designated as an 8-hour ozone nonattainment area separate from the Washington D.C. nonattainment area. These two counties have an approved Early Action Compact (EAC). An examination of several specific individual criteria has been done and these support the case for separation of these 2 counties from the Washington D.C. area. The Figures 1 through 4 showing population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area support the separation of the Berkeley and Jefferson "Panhandle" Area from the core Washington D.C. area. These figures show how characteristically different this Panhandle Area is from the Washington D.C. core. Although as an approved EAC area, Berkeley and Jefferson counties' nonattainment designation would be deferred, if EAC milestones or requirements were not met and the nonattainment designation is implemented, EPA would require Berkeley and Jefferson counties to be classified at the same classification as the Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Charleston, WV Area

3	WV	Kanawha	W	W	910	17,482	32,690	2,509	95 Charleston, WV	200,073	-3.6%	-5.1%	
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3	WV	Putnam	W	W	350	4,711	59,135	511	89 Charleston, WV	51,589	20.4%	10.0%	
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Clearfield, PA Area

3	PA	Clearfield	W	W	1,152	5,401	12,580	1,034	1 Johnstown, PA M	83,382	6.8%	-11.9%	
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Erie, PA Area

3	PA	Erie	W	W	808	31,477	18,820	2,372	96 Erie, PA MSA	280,843	1.9%	2.7%	
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Franklin, PA Area

3	PA	Franklin	W	W	772	7,891	6,789	1,406	6 Harrisburg--Leba	129,313	6.8%	1.7%	
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Frederick County, VA Area

3	VA	Frederick	W	W	415	5,780	4,308	848	23 Washington--Bal	59,209	29.5%	14.8%	
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Frederick County (including the City of Winchester) is a non-MSA county with a violating ozone monitor. EPA is designating this county as a single county 8-hour ozone nonattainment area. The Frederick area has an approved Early Action Compact.

3	VA	Winchester City	W	W	9	1,907	1,321	197	19 Washington--Bal	23,585	7.5%	6.4%	
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Frederick County (including the City of Winchester) is a non-MSA county with a violating ozone monitor. EPA is designating this county as a single county 8-hour ozone nonattainment area. The Frederick area has an approved Early Action Compact.

Designation Justifications

Region State County EPA State Area VOC NOx VMT Commute Pop 90-00 00-10 Wind Topo

Fredericksburg, VA Area (Washington, DC-MD-VA)

3 VA Caroline W W 539 2,172 2,419 481 35 Washington--Bal 22,121 15.1% 13.5%

The Fredericksburg 8-hour ozone nonattainment area consists of Stafford County, Caroline County, Spotsylvania County, and the City of Fredericksburg. Stafford County is part of the Ozone Transport Region (OTR) therefore it is subject to New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. Caroline County is not part of the Washington-Baltimore CMSA and is currently monitoring attainment for the 8 hour ozone standard. However, Caroline County shares a Metropolitan Planning Organization (MPO) with Fredericksburg, Stafford and Spotsylvania and is being added to the Fredericksburg nonattainment area. In a recent resolution voluntarily passed among the Fredericksburg MPO members, the members agreed to adopt the same Control Technology Guideline (CTG) VOC regulations applicable in the current Washington nonattainment area. In the case of the Fredericksburg area, if EPA were to require a single Washington D.C. nonattainment area to extend to the CMSA boundaries, Virginia and Caroline County have indicated that, given the monitor measuring ozone attainment in Caroline County, they would no longer recommend the county as nonattainment and this could jeopardize the implementation of voluntary emission control measures in Caroline County. Furthermore, the Virginia Department of Environmental Quality (VADEQ) has agreed to accept the same classification for Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg as for the Washington D.C. nonattainment area and to withhold any request for redesignation of the Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg to attainment unless and until the Washington D.C. nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Virginia State Implementation Plan (SIP). Region III evaluated all the 11 criteria with respect to the Fredericksburg area and finds that this area is characteristically different from the core Washington D.C. metropolitan area. For example, the VOC and NOx emissions densities for the Fredericksburg counties are less than 4 tons per year-km2, which can be compared with the Washington area densities that are greater than 17 tons per year-km2. Similarly, the population density and growth are very low compared with the core Washington area. The figures 1 through 4 at the end of this enclosure with regard to population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area also support the separation of Fredericksburg from the core Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

3 VA Fredericksburg City W W 11 1,206 1,180 187 96 Washington--Bal 19,279 1.3% 28.1%

The Fredericksburg 8-hour ozone nonattainment area consists of Stafford County, Caroline County, Spotsylvania County, and the City of Fredericksburg. Stafford County is part of the Ozone Transport Region (OTR) therefore it is subject to New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. Caroline County is not part of the Washington-Baltimore CMSA and is currently monitoring attainment for the 8 hour ozone standard. However, Caroline County shares a Metropolitan Planning Organization (MPO) with Fredericksburg, Stafford and Spotsylvania and is being added to the Fredericksburg nonattainment area. In a recent resolution voluntarily passed among the Fredericksburg MPO members, the members agreed to adopt the same Control Technology Guideline (CTG) VOC regulations applicable in the current Washington nonattainment area. In the case of the Fredericksburg area, if EPA were to require a single Washington D.C. nonattainment area to extend to the CMSA boundaries, Virginia and Caroline County have indicated that, given the monitor measuring ozone attainment in Caroline County, they would no longer recommend the county as nonattainment and this could jeopardize the implementation of voluntary emission control measures in Caroline County. Furthermore, the Virginia Department of Environmental Quality (VADEQ) has agreed to accept the same classification for Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg as for the Washington D.C. nonattainment area and to withhold any request for redesignation of the Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg to attainment unless and until the Washington D.C. nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Virginia State Implementation Plan (SIP). Region III evaluated all the 11 criteria with respect to the Fredericksburg area and finds that this area is characteristically different from the core Washington D.C. metropolitan area. For example, the VOC and NOx emissions densities for the Fredericksburg counties are less than 4 tons per year-km2, which can be compared with the Washington area densities that are greater than 17 tons per year-km2. Similarly, the population density and growth are very low compared with the core Washington area. The figures 1 through 4 at the end of this enclosure with regard to population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area also support the separation of Fredericksburg from the core Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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3	VA	Spotsylvania	W	W	412	4,272	4,124	831	93	Washington--Bal	90,395	57.5%	22.8%
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The Fredericksburg 8-hour ozone nonattainment area consists of Stafford County, Caroline County, Spotsylvania County, and the City of Fredericksburg. Stafford County is part of the Ozone Transport Region (OTR) therefore it is subject to New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. Caroline County is not part of the Washington-Baltimore CMSA and is currently monitoring attainment for the 8 hour ozone standard. However, Caroline County shares a Metropolitan Planning Organization (MPO) with Fredericksburg, Stafford and Spotsylvania and is being added to the Fredericksburg nonattainment area. In a recent resolution voluntarily passed among the Fredericksburg MPO members, the members agreed to adopt the same Control Technology Guideline (CTG) VOC regulations applicable in the current Washington nonattainment area. In the case of the Fredericksburg area, if EPA were to require a single Washington D.C. nonattainment area to extend to the CMSA boundaries, Virginia and Caroline County have indicated that, given the monitor measuring ozone attainment in Caroline County, they would no longer recommend the county as nonattainment and this could jeopardize the implementation of voluntary emission control measures in Caroline County. Furthermore, the Virginia Department of Environmental Quality (VADEQ) has agreed to accept the same classification for Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg as for the Washington D.C. nonattainment area and to withhold any request for redesignation of the Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg to attainment unless and until the Washington D.C. nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Virginia State Implementation Plan (SIP). Region III evaluated all the 11 criteria with respect to the Fredericksburg area and finds that this area is characteristically different from the core Washington D.C. metropolitan area. For example, the VOC and NOx emissions densities for the Fredericksburg counties are less than 4 tons per year-km², which can be compared with the Washington area densities that are greater than 17 tons per year-km². Similarly, the population density and growth are very low compared with the core Washington area. The figures 1 through 4 at the end of this enclosure with regard to population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area also support the separation of Fredericksburg from the core Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

3	VA	Stafford	W	W	279	4,151	5,493	1,198	98	Washington--Bal	92,446	51.0%	34.1%
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The Fredericksburg 8-hour ozone nonattainment area consists of Stafford County, Caroline County, Spotsylvania County, and the City of Fredericksburg. Stafford County is part of the Ozone Transport Region (OTR) therefore it is subject to New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. Caroline County is not part of the Washington-Baltimore CMSA and is currently monitoring attainment for the 8 hour ozone standard. However, Caroline County shares a Metropolitan Planning Organization (MPO) with Fredericksburg, Stafford and Spotsylvania and is being added to the Fredericksburg nonattainment area. In a recent resolution voluntarily passed among the Fredericksburg MPO members, the members agreed to adopt the same Control Technology Guideline (CTG) VOC regulations applicable in the current Washington nonattainment area. In the case of the Fredericksburg area, if EPA were to require a single Washington D.C. nonattainment area to extend to the CMSA boundaries, Virginia and Caroline County have indicated that, given the monitor measuring ozone attainment in Caroline County, they would no longer recommend the county as nonattainment and this could jeopardize the implementation of voluntary emission control measures in Caroline County. Furthermore, the Virginia Department of Environmental Quality (VADEQ) has agreed to accept the same classification for Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg as for the Washington D.C. nonattainment area and to withhold any request for redesignation of the Stafford, Spotsylvania, and Caroline counties and the City of Fredericksburg to attainment unless and until the Washington D.C. nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Virginia State Implementation Plan (SIP). Region III evaluated all the 11 criteria with respect to the Fredericksburg area and finds that this area is characteristically different from the core Washington D.C. metropolitan area. For example, the VOC and NOx emissions densities for the Fredericksburg counties are less than 4 tons per year-km², which can be compared with the Washington area densities that are greater than 17 tons per year-km². Similarly, the population density and growth are very low compared with the core Washington area. □

The figures 1 through 4 at the end of this enclosure with regard to population density, VMT growth, percentage of utility NOx emissions and percentage of commuters into the Washington D.C. area also support the separation of Fredericksburg from the core Washington D.C. area. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

Greene, PA Area

3	PA	Greene	W	W	577	2,890	24,670	541	24	Pittsburgh, PA	40,672	2.8%	2.6%
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Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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Hagerstown, MD Area

3	MD	Washington	W	W	467	14,984	12,469	2,039	95	Washington--Bal	131,923	8.7%	5.4%
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Washington County is located in West-Central Maryland, bounded by Pennsylvania, Virginia and West Virginia and approximately 75 miles west of Washington, DC and Baltimore. This county has been approved by EPA as an Early Action Compact Area (December 31, 2002). Since Maryland is part of the Ozone Transport Region (OTR), Washington County is already subject to New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. Although as an approved EAC area, Washington County's nonattainment designation would be deferred, if EAC milestones or requirements were not met and the nonattainment designation is implemented, EPA would require Washington County to be classified at the same classification as the Washington D.C. area. Although Washington County is a part of the Washington D.C. CMSA, based on EPA's analysis of the 11 criteria, Washington County is characteristically distinct from that core metropolitan area. For example, for population density, figure 2 at the end of this enclosure shows the relative population densities of the Hagerstown area (Washington County, MD) compared with the Washington D.C. area. The VOC and NOx emission densities for Washington county are 12 and 11 tons/year-km2, respectively, compared to the core Washington D.C. area's VOC and NOx emission densities are 17 and 24 tons/year-km2, respectively. The percentage of the total NOx emissions in Washington County coming from utilities is only 6% compared to the Washington and Baltimore areas that have a 41 and 29 %, respectively. Figure 3 shows that the VMT growth in Hagerstown is dissimilar to that in the Washington D.C. area and figure 4 shows the dissimilarity between the percentage of utility NOx emissions in Hagerstown to the Washington D.C. area. Figure 5 shows that very few in Hagerstown commute to the Washington D.C. to work. The greatest percentage of commuters into Washington D.C. come from the Baltimore area but even that percentage is less than 5% of the population. For Hagerstown, the percentage is 0.4%. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Harrisburg-Lebanon-Carlisle, PA Area

3	PA	Cumberland	W	W	551	12,456	14,635	2,562	91	Harrisburg--Leb	213,674	9.4%	16.9%
3	PA	Dauphin	W	W	557	15,029	14,197	2,846	93	Harrisburg--Leb	251,798	5.9%	5.0%
3	PA	Lebanon	W	W	362	7,241	6,619	1,136	87	Harrisburg--Leb	120,327	5.8%	5.1%
3	PA	Perry	W	W	555	2,060	2,868	391	94	Harrisburg--Leb	43,602	5.9%	21.1%

Huntington-Ashland, WV-KY-OH Area

3	WV	Cabell	W	W	288	6,996	12,732	938	88	Huntington--Ash	96,784	0.0%	-2.1%
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The West Virginia portion of the Huntington-Ashland 8-hour ozone nonattainment area consists of Cabell and Wayne counties. These counties are the only WV counties that make up the Huntington-Ashland MSA. The Huntington-Ashland MSA includes a total of 6 counties. In addition to Cabell County and Wayne County, it includes Boyd County, KY, Carter County, KY, Greenup County, KY, and Lawrence County, OH. The entire Huntington-Ashland nonattainment area consists of Cabell County, Wayne County, Boyd County, and Lawrence County.

3	WV	Wayne	W	W	512	5,095	6,602	325	89	Huntington--Ash	42,903	3.0%	0.3%
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The West Virginia portion of the Huntington-Ashland 8-hour ozone nonattainment area consists of Cabell and Wayne counties. These counties are the only WV counties that make up the Huntington-Ashland MSA. The Huntington-Ashland MSA includes a total of 6 counties. In addition to Cabell County and Wayne County, it includes Boyd County, KY, Carter County, KY, Greenup County, KY, and Lawrence County, OH. The entire Huntington-Ashland nonattainment area consists of Cabell County, Wayne County, Boyd County, and Lawrence County.

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
Indiana, PA Area												
3	PA	Indiana	W	833	4,812	54,146	726	11 Pittsburgh, PA	89,605	-0.4%	4.4%	

County is surrounded by counties with violating air quality. Because ozone is a regional problem with broad scope, EPA is intending to designate this county as nonattainment.

Johnstown, PA Area												
3	PA	Cambria	W W	692	7,697	8,479	1,170	84 Johnstown, PA	152,598	-6.4%	-7.2%	

Kent & Queen Anne's, MD Area (Baltimore)												
3	MD	Kent	W W	299	2,478	1,034	172	11 Washington--Bal	19,197	7.6%	4.4%	

EPA Region III's multi-criteria analysis supports the conclusions arrived at by Maryland with regard to the Kent and Queen Anne's Counties as a separate ozone nonattainment. Maryland provided the following rationale for these counties as a nonattainment area distinct from the Baltimore, MD or Washington D.C. ozone nonattainment areas. As a separate ozone nonattainment area from Baltimore or Washington D.C., EPA will require that the classification of the Kent/Queen Anne's area be the same as that for Baltimore and Washington. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Kent & Queen Anne's area is located on the Eastern Shore of Maryland across the Chesapeake Bay from the rest of the MSA. Queen Anne's County is part of the Washington-Baltimore CMSA. Kent County is not part of any metropolitan statistical area. The Kent & Queen Anne's Area is a 1-hour ozone nonattainment area classified as marginal in 1991. Both Kent and Queen Anne's county are part of the Ozone Transport Region and have applied New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. In addition, Maryland adopted many of their control strategies statewide. They do not see that any additional control strategies would apply as the result of Kent and Queen Anne's counties being included in the Baltimore/Washington nonattainment area, and therefore, do not believe that there would be any environmental benefit to grouping Kent and Queen Anne with the rest of the CMSA.. Furthermore, the Maryland Department of the Environment (MDE) has agreed to accept the same classification for Kent and Queen Anne's counties as for the Baltimore nonattainment area and to withhold any request for redesignation of the Kent and Queen Anne's counties to attainment unless and until the Baltimore nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Maryland State Implementation Plan (SIP). The EPA analysis used all 11 criteria to determine the appropriateness of separating Kent and Queen Anne's counties from Baltimore, which still designating these counties nonattainment. Several examples of these criteria can be given. Figure 1 at the end of this enclosure shows how dissimilar the NOx to VOC emissions ratio is between the Washington area and Kent and Queen Anne's counties. There are no utilities in the Kent/Queen Anne's area and the population density of these two counties is more than an order of magnitude lower than that of the Washington D.C. area. In addition, less than 0.1% of the commuting population into Washington D.C. comes from Kent and Queen Anne's counties. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	MD	Queen Anne's	W	W	395	4,871	2,259	469	82 Washington--Bal	40,563	19.5%	19.6%	

EPA Region III's multi-criteria analysis supports the conclusions arrived at by Maryland with regard to the Kent and Queen Anne's Counties as a separate ozone nonattainment. Maryland provided the following rationale for these counties as a nonattainment area distinct from the Baltimore, MD or Washington D.C. ozone nonattainment areas. As a separate ozone nonattainment area from Baltimore or Washington D.C., EPA will require that the classification of the Kent/Queen Anne's area be the same as that for Baltimore and Washington. Therefore, the separation of these areas is not to avoid implementing appropriate control measures but rather for ease of air quality planning. The Kent & Queen Anne's area is located on the Eastern Shore of Maryland across the Chesapeake Bay from the rest of the MSA. Queen Anne's County is part of the Washington-Baltimore CMSA. Kent County is not part of any metropolitan statistical area. The Kent & Queen Anne's Area is a 1-hour ozone nonattainment area classified as marginal in 1991. Both Kent and Queen Anne's county are part of the Ozone Transport Region and have applied New Source Review, Enhance Vehicle Emissions Inspection Program, VOC and NOx RACT, and many other control programs. In addition, Maryland adopted many of their control strategies statewide. They do not see that any additional control strategies would apply as the result of Kent and Queen Anne's counties being included in the Baltimore/Washington nonattainment area, and therefore, do not believe that there would be any environmental benefit to grouping Kent and Queen Anne with the rest of the CMSA. Furthermore, the Maryland Department of the Environment (MDE) has agreed to accept the same classification for Kent and Queen Anne's counties as for the Baltimore nonattainment area and to withhold any request for redesignation of the Kent and Queen Anne's counties to attainment unless and until the Baltimore nonattainment area can redesignate to attainment. These commitments will be made federally enforceable through a revision to the Maryland State Implementation Plan (SIP). The EPA analysis used all 11 criteria to determine the appropriateness of separating Kent and Queen Anne's counties from Baltimore, which still designating these counties nonattainment. Several examples of these criteria can be given. Figure 1 at the end of this enclosure shows how dissimilar the NOx to VOC emissions ratio is between the Washington area and Kent and Queen Anne's counties. There are no utilities in the Kent/Queen Anne's area and the population density of these two counties is more than an order of magnitude lower than that of the Washington D.C. area. In addition, less than 0.1% of the commuting population into Washington D.C. comes from Kent and Queen Anne's counties. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Lancaster, PA Area

3	PA	Lancaster	W	W	983	28,256	21,727	3,922	87 Lancaster, PA M	470,658	11.3%	14.9%	
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Madison & Page Counties, VA Area (Shenandoah National Park)

3	VA	Madison	P	P	322	850	764	161	29 Washington--Bal	12,520	4.8%	10.2%	
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The Shenandoah National Park is a Class I Area, Page and Madison counties have ozone monitors. The 2003 design value at the ozone monitor in Page County is meeting the ozone standard. However, the 2003 design value at the Madison County monitor is violating the ozone standard. Region III is designating the portions of Page and Madison counties that are the Shenandoah National Park. Neither of these counties is part of an MSA. The designation of partial counties in the particular case is justified because the ozone violations are most likely due to transport. Both of these counties have no point VOC and NOx emissions, very low area and mobile emissions (less 1120 tons/year), low population (less than 23,000 people), and the population growth rate is very low. Therefore, the sources in the Page and Madison counties do not contribute to the ozone violations in Madison County or nearby areas, justifying the partial county designation. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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3	VA	Page	P	P	314	1,337	1,393	237	13	Washington--Bal	23,177	6.9%	10.0%
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The Shenandoah National Park is a Class I Area, Page and Madison counties have ozone monitors. The 2003 design value at the ozone monitor in Page County is meeting the ozone standard. However, the 2003 design value at the Madison County monitor is violating the ozone standard. Region III is designating the portions of Page and Madison counties that are the Shenandoah National Park. Neither of these counties is part of an MSA. The designation of partial counties in the particular case is justified because the ozone violations are most likely due to transport. Both of these counties have no point VOC and NOx emissions, very low area and mobile emissions (less 1120 tons/year), low population (less than 23,000 people), and the population growth rate is very low. Therefore, the sources in the Page and Madison counties do not contribute to the ozone violations in Madison County or nearby areas, justifying the partial county designation. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

Norfolk-Virginia Beach-Newport News, VA Area (Hampton Roads)

3	VA	Chesapeake City	W	W	350	8,234	16,775	1,490	97	Norfolk--Virginia	199,184	31.1%	28.0%
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3	VA	Gloucester	W		231	2,096	1,504	359	90	Norfolk--Virginia	34,780	15.4%	19.3%
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The Hampton Roads 8-hour ozone nonattainment area consists of Chesapeake City, Hampton City, James City County, Newport News City, Norfolk City, Poquoson City, Portsmouth City, Suffolk City, Virginia Beach City, Williamsburg City, Isle of Wight County, Gloucester County, and York County. The Norfolk-Virginia Beach-Newport News, VA-NC MSA currently consists of the following counties: Chesapeake City, Hampton City, James City County, Newport News City, Norfolk City, Poquoson City, Portsmouth City, Suffolk City, Virginia Beach City, Williamsburg City, York County, Gloucester County, Isle of Wight County, Mathews County, VA, and Currituck, NC. Therefore, Mathews County in the Virginia portion of the Norfolk MSA is being excluded from the Hampton Roads nonattainment area. □An examination of some specific criteria data for Mathews County shows that its exclusion is supportable and reasonable. For example, compared with the core Hampton Roads nonattainment area, the VOC and NOx emissions from this county are very low, there are no utility NOx emissions, very low population, and very low population and VMT growth rates. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	VA	Hampton City	W	W	57	6,738	5,137	1,348	97	Norfolk--Virginia	146,437	9.5%	-2.3%
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3	VA	Isle of Wight	W		322	3,325	5,000	323	91	Norfolk--Virginia	29,728	18.7%	14.7%
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The Hampton Roads 8-hour ozone nonattainment area consists of Chesapeake City, Hampton City, James City County, Newport News City, Norfolk City, Poquoson City, Portsmouth City, Suffolk City, Virginia Beach City, Williamsburg City, Isle of Wight County, Gloucester County, and York County. The Norfolk-Virginia Beach-Newport News, VA-NC MSA currently consists of the following counties: Chesapeake City, Hampton City, James City County, Newport News City, Norfolk City, Poquoson City, Portsmouth City, Suffolk City, Virginia Beach City, Williamsburg City, York County, Gloucester County, Isle of Wight County, Mathews County, VA, and Currituck, NC. Therefore, Mathews County in the Virginia portion of the Norfolk MSA is being excluded from the Hampton Roads nonattainment area. □An examination of some specific criteria data for Mathews County shows that its exclusion is supportable and reasonable. For example, compared with the core Hampton Roads nonattainment area, the VOC and NOx emissions from this county are very low, there are no utility NOx emissions, very low population, and very low population and VMT growth rates. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	VA	James City	W	W	151	4,517	3,224	425	93	Norfolk--Virginia	48,102	38.0%	24.7%
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3	VA	Newport News City	W	W	71	8,609	12,952	1,612	97	Norfolk--Virginia	180,150	5.9%	5.5%
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3	VA	Norfolk City	W	W	61	14,002	24,891	2,634	97	Norfolk--Virginia	234,403	-10.3%	-8.3%
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3	VA	Poquoson City	W	W	18	633	196	54	97	Norfolk--Virginia	11,566	5.1%	9.0%
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Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	VA	Portsmouth City	W	W	36	4,777	5,843	1,047	98 Norfolk--Virginia	100,565	-3.2%	-6.5%	
3	VA	Suffolk City	W	W	416	3,208	3,307	601	96 Norfolk--Virginia	63,677	22.1%	17.8%	
3	VA	Virginia Beach City	W	W	306	18,642	13,712	3,951	97 Norfolk--Virginia	425,257	8.2%	17.6%	
3	VA	Williamsburg City	W	W	9	483	593	85	95 Norfolk--Virginia	11,998	4.1%	11.7%	
3	VA	York	W	W	112	4,757	16,048	489	97 Norfolk--Virginia	56,297	32.7%	38.6%	

Parkersburg-Marietta, WV-OH Area

3	WV	Wood	W	W	377	8,265	7,145	943	93 Parkersburg--M	87,986	1.2%	-4.6%	
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The West Virginia portion of the Parkersburg-Marietta Area 8-hour ozone nonattainment area consists only of Wood, WV. The Parkersburg-Marietta MSA is a 2 county MSA consisting of Wood, WV and Washington, OH.

Philadelphia, DE-MD-NJ-PA Area

3	DE	Kent	W	W	598	8,270	8,920	1,572	11 Philadelphia--Wi	126,697	14.1%	10.0%	
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The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.

3	DE	New Castle	W	W	485	26,364	36,705	4,854	97 Philadelphia--Wi	500,265	13.2%	3.6%	
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The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.

3	DE	Sussex	W	W	978	12,850	17,499	2,117	2 Philadelphia--Wil	156,638	38.3%	4.6%	
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The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	MD	Cecil	W	W	380	6,746	5,704	1,220	82 Philadelphia--Wi	85,951	20.5%	11.0%	
<p>The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.</p>													
3	PA	Bucks	W	W	621	25,059	17,937	3,710	86 Philadelphia--Wi	597,635	10.4%	6.1%	
<p>The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.</p>													
3	PA	Chester	W	W	759	19,171	17,442	3,046	95 Philadelphia--Wi	433,501	15.2%	10.1%	
<p>The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.</p>													
3	PA	Delaware	W	W	191	21,380	30,899	3,373	98 Philadelphia--Wi	550,864	0.6%	0.7%	
<p>The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.</p>													
3	PA	Montgomery	W	W	487	34,922	22,349	4,509	96 Philadelphia--Wi	750,097	10.6%	-6.1%	
<p>The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.</p>													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
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3	PA	Philadelphia	W	W	143	55,837	56,750	9,805	98 Philadelphia--Wi	1,517,550	-4.3%	-2.9%	
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The Philadelphia nonattainment area consists of 5 counties in Pennsylvania, 6 counties in New Jersey, 3 counties in Delaware, and 1 county in Maryland. The Pennsylvania portion of the Philadelphia nonattainment area includes the following counties: Bucks County, Chester County, Delaware County, Montgomery County, and Philadelphia County. The New Jersey portion includes: Burlington County, Camden County, Cumberland County, Gloucester County, Salem County, and Mercer County. The Delaware portion includes New Castle County, Kent County and Sussex County. The Maryland portion of the Philadelphia nonattainment area consists of Cecil County. Ocean County, NJ will be designated nonattainment. Discussions are on-going regarding New Jersey's request to EPA that Ocean County, which is part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA, be made part of the Philadelphia 8-hour ozone nonattainment area. No final decision has yet been made as to the placement of Ocean County with respect to 8-hour ozone nonattainment areas.

Pittsburgh, PA Area

3	PA	Allegheny	W	W	744	60,349	81,658	10,445	98 Pittsburgh, PA	1,281,666	-4.1%	-7.3%	
3	PA	Armstrong	W	W	664	3,756	27,715	620	34 Pittsburgh, PA	72,392	-1.5%	-10.9%	
3	PA	Beaver	W	W	443	9,279	38,649	1,567	94 Pittsburgh, PA	181,412	-2.5%	-7.0%	
3	PA	Butler	W	W	794	9,260	10,081	1,630	93 Pittsburgh, PA	174,083	14.5%	-1.7%	
3	PA	Fayette	W	W	797	7,097	7,147	1,142	92 Pittsburgh, PA	148,644	2.3%	-7.3%	
3	PA	Washington	W	W	860	10,072	21,630	2,024	96 Pittsburgh, PA	202,897	-0.8%	-3.0%	
3	PA	Westmoreland	W	W	1,035	18,529	18,937	3,191	95 Pittsburgh, PA	369,993	-0.1%	-2.3%	

Reading, PA Area

3	PA	Berks	W	W	865	20,907	20,880	3,192	79 Reading, PA MS	373,638	11.0%	4.7%	
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Richmond, VA Area

3	VA	Charles City	W	P	189	412	508	59	83 Richmond--Pete	6,926	10.3%	14.1%	
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Charles City County, VA is being designated part of the Richmond nonattainment area. Although the Richmond 1-hour ozone nonattainment area included only the portion of Charles City County around the violating ozone monitor, EPA does not currently believe that the portion of Charles City County that was excluded from that 1-hour ozone nonattainment area is substantially different from the portion around the violating ozone monitor. Since the nonattainment boundary presumption is the C/MSA and Virginia did not provide data that would support rebutting this presumption, EPA believes that it is more appropriate to include all of Charles City County in the Richmond 8-hour ozone nonattainment area. Charles City County is part of the Richmond MSA and designating it attainment would produce a gap in the contiguous nonattainment area. Given the metropolitan nature of Charles City County, it is highly likely that this county not only exhibits poor air quality but also contributes to the ozone air quality in the Richmond area. Therefore, EPA does not believe that there is support to grant Virginia's request for the designation of only the portion of Charles City County around the violating ozone monitor. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.

3	VA	Chesterfield	W	W	437	13,645	31,220	2,720	97 Richmond--Pete	259,903	24.2%	22.0%	
3	VA	Colonial Heights City	W	W	8	1,083	1,013	321	97 Richmond--Pete	16,897	5.2%	3.0%	
3	VA	Hanover	W	W	474	5,245	6,115	1,070	96 Richmond--Pete	86,320	36.4%	22.8%	

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	VA	Henrico	W	W	243	11,577	11,510	2,295	97 Richmond--Pete	262,300	20.4%	5.6%	
3	VA	Hopewell City	W	W	11	3,323	14,990	462	97 Richmond--Pete	22,354	-3.2%	-2.5%	
3	VA	Petersburg City	W		23	3,020	3,007	767	96 Richmond--Pete	33,740	-12.1%	-6.6%	

EPA is designating the following counties as the Richmond 8-hour ozone nonattainment area: Charles City County, Chesterfield County, Colonial Heights City, Hanover County, Henrico County, Hopewell City, Petersburg City, Prince George, and Richmond City. Although Virginia recommended only the portion of Charles City County around the violating ozone monitor as nonattainment, identical to the current 1 hour nonattainment boundary in this county, EPA is designating the entire county as nonattainment under the 8-hour ozone standard. Further discussion of this partial county request can be found in the next section. Furthermore, Virginia recommended Dinwiddie County, Goochland County, New Kent County, Petersburg City, Powhatan County, and Prince George County be designated as attainment/unclassifiable areas under the 8-hour standard. The 1999 Richmond MSA consists of the following counties: Charles City County, Chesterfield County, Colonial Heights City, Hanover County, Henrico County, Hopewell City, Richmond City, Dinwiddie County, Goochland County, New Kent County, Petersburg City, Powhatan County, and Prince George County. Therefore, the counties that are part of the Richmond MSA but not being designated nonattainment are: Dinwiddie, Goochland, Powhatan, and New Kent. □□ There are no ozone monitors located in the 4 MSA counties that are being excluded from the Richmond nonattainment area. A sample examination of the criteria data from these areas supports this conclusion. For example, there are no utility NOx emissions in any of the 4 counties (Dinwiddie, Goochland, New Kent, and Powhatan), the VOC and NOx point emissions for all of these counties is also very low (ranging from zero to a maximum of 258 tons/year), the highest population in this group of 4 belongs to Dinwiddie and that figure is less than 25,000 people, the average VMT growth in these 4 counties is less than 9 million miles per year while the Richmond area averages more than 26 million miles per year, all the emission densities of these 4 counties is less than 0.05%. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

3	VA	Prince George	W		267	1,866	2,410	477	95 Richmond--Pete	33,047	20.6%	4.4%	
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EPA is designating the following counties as the Richmond 8-hour ozone nonattainment area: Charles City County, Chesterfield County, Colonial Heights City, Hanover County, Henrico County, Hopewell City, Petersburg City, Prince George, and Richmond City. Although Virginia recommended only the portion of Charles City County around the violating ozone monitor as nonattainment, identical to the current 1 hour nonattainment boundary in this county, EPA is designating the entire county as nonattainment under the 8-hour ozone standard. Further discussion of this partial county request can be found in the next section. Furthermore, Virginia recommended Dinwiddie County, Goochland County, New Kent County, Petersburg City, Powhatan County, and Prince George County be designated as attainment/unclassifiable areas under the 8-hour standard. The 1999 Richmond MSA consists of the following counties: Charles City County, Chesterfield County, Colonial Heights City, Hanover County, Henrico County, Hopewell City, Richmond City, Dinwiddie County, Goochland County, New Kent County, Petersburg City, Powhatan County, and Prince George County. Therefore, the counties that are part of the Richmond MSA but not being designated nonattainment are: Dinwiddie, Goochland, Powhatan, and New Kent. □□ There are no ozone monitors located in the 4 MSA counties that are being excluded from the Richmond nonattainment area. A sample examination of the criteria data from these areas supports this conclusion. For example, there are no utility NOx emissions in any of the 4 counties (Dinwiddie, Goochland, New Kent, and Powhatan), the VOC and NOx point emissions for all of these counties is also very low (ranging from zero to a maximum of 258 tons/year), the highest population in this group of 4 belongs to Dinwiddie and that figure is less than 25,000 people, the average VMT growth in these 4 counties is less than 9 million miles per year while the Richmond area averages more than 26 million miles per year, all the emission densities of these 4 counties is less than 0.05%. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet. □

3	VA	Richmond City	W	W	62	13,226	13,367	2,163	98 Richmond--Pete	197,790	-2.6%	-6.0%	
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Roanoke, VA Area

3	VA	Botetourt	W	W	546	2,707	5,352	651	92 Roanoke, VA M	30,496	22.0%	12.5%	
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The Roanoke 8-hour ozone nonattainment area consists of 2 counties and 2 independent cities. They are: Roanoke County, Botetourt County, Roanoke City, and Salem City. These counties and cities make up the Roanoke MSA. The Roanoke area has an approved Early Action Compact.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	VA	Roanoke	W	W	251	4,351	4,370	672	95	Roanoke, VA M	85,778	8.1%	4.7%
<p>The Roanoke 8-hour ozone nonattainment area consists of 2 counties and 2 independent cities. They are: Roanoke County, Botetourt County, Roanoke City, and Salem City. These counties and cities make up the Roanoke MSA. The Roanoke area has an approved Early Action Compact.</p>													
3	VA	Roanoke City	W	W	43	6,015	4,832	986	96	Roanoke, VA M	94,911	-1.5%	-0.4%
<p>The Roanoke 8-hour ozone nonattainment area consists of 2 counties and 2 independent cities. They are: Roanoke County, Botetourt County, Roanoke City, and Salem City. These counties and cities make up the Roanoke MSA. The Roanoke area has an approved Early Action Compact.</p>													
3	VA	Salem City	W	W	15	1,982	2,198	230	95	Roanoke, VA M	24,747	4.2%	4.6%
<p>The Roanoke 8-hour ozone nonattainment area consists of 2 counties and 2 independent cities. They are: Roanoke County, Botetourt County, Roanoke City, and Salem City. These counties and cities make up the Roanoke MSA. The Roanoke area has an approved Early Action Compact.</p>													
Scranton-Wilkes-Barre, PA Area													
3	PA	Lackawanna	W	W	464	10,817	8,650	1,842	92	Scranton--Wilke	213,295	-2.6%	-0.9%
3	PA	Luzerne	W	W	906	16,577	14,747	2,934	94	Scranton--Wilke	319,250	-2.7%	1.6%
3	PA	Monroe	W		616	7,255	6,721	1,414	2	Scranton--Wilkes-	138,687	44.9%	24.1%
<p>Monroe County is a non-MSA county without an ozone monitor that is being designated as a single county 8-hour nonattainment area because EPA's analysis of the 11 criteria indicates that it more resembles a nonattainment county than an attainment county. For example, its mobile emissions are more than 6100 tons per year, its population is more like that of a metropolitan area (149,000 people in 2002) and its population growth rate is 3800 people per year. The data used for the Region 3 multi-criteria analysis includes 2003 air quality data, 2002 census population, 1990-2010 population growth rate (in general), 1999 NEI, 1999 VMT, air quality modeling information, 1999 CMSA boundaries (OMB), and the NOx SIP Call. For more information, please contact Region 3 for a copy of the complete spreadsheet.</p>													
3	PA	Wyoming	W	W	404	2,201	2,150	265	92	Scranton--Wilke	28,080	0.0%	25.3%
State College, PA Area													
3	PA	Centre	W	W	1,111	6,706	9,219	1,254	92	State College, P	135,758	9.7%	8.3%
Steubenville-Weirton, OH-WV Area													
3	WV	Brooke	W	W	92	4,115	2,352	200	76	Steubenville--W	25,447	-5.7%	-2.1%
3	WV	Hancock	W	W	88	3,537	4,710	250	75	Steubenville--W	32,667	-7.3%	-3.3%
*Tioga, PA Area													
3	PA	Tioga	W		1,135	2,706	2,122	317			41,373	0.6%	4.1%
<p>The Tioga nonattainment area consists of Tioga County. This county is not part of any MSA and contains a violating ozone monitor.</p>													
Washington, DC-MD-VA Area													
3	DC	District of Columbia	W	W	68	19,174	15,742	3,463	99	Washington--Bal	572,059	-5.7%	7.6%
3	MD	Calvert	W	W	237	5,430	3,263	775	89	Washington--Bal	74,563	45.1%	16.1%

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
3	MD	Charles	W	W	473	8,187	26,527	929	96 Washington--Bal	120,546	19.2%	22.3%	
3	MD	Frederick	W	W	666	16,114	12,985	2,352	98 Washington--Bal	195,277	30.0%	22.2%	
3	MD	Montgomery	W	W	506	31,308	37,402	6,959	99 Washington--Bal	873,341	15.4%	11.6%	
3	MD	Prince George's	W	W	493	26,533	49,430	6,698	99 Washington--Bal	801,515	9.9%	8.5%	
3	VA	Alexandria City	W	W	15	5,038	12,040	1,174	98 Washington--Bal	128,283	15.4%	-3.3%	
3	VA	Arlington	W	W	26	7,297	8,176	1,805	98 Washington--Bal	189,453	10.8%	1.9%	
3	VA	Fairfax	W	W	406	39,988	36,027	8,463	99 Washington--Bal	969,749	18.5%	10.3%	
3	VA	Fairfax City	W	W	6	1,040	454	118	99 Washington--Bal	21,498	9.6%	3.7%	
3	VA	Falls Church City	W	W	2	631	277	58	99 Washington--Bal	10,377	8.3%	0.2%	
3	VA	Fauquier	W	W	651	3,535	4,237	920	98 Washington--Bal	55,139	13.1%	6.6%	
3	VA	Loudoun	W	W	521	6,859	6,453	1,130	99 Washington--Bal	169,599	96.9%	17.9%	
3	VA	Manassas City	W	W	10	1,148	998	168	99 Washington--Bal	35,135	25.7%	19.5%	
3	VA	Manassas Park City	W	W	2	259	259	40	99 Washington--Bal	10,290	52.8%	4.0%	
3	VA	Prince William	W	W	349	11,023	16,309	2,427	99 Washington--Bal	280,813	30.2%	14.0%	

Wheeling, WV-OH Area

3	WV	Marshall	W	W	312	4,685	53,910	232	83 Wheeling, WV--	35,519	-4.9%	-0.1%	
3	WV	Ohio	W	W	109	3,082	3,593	427	88 Wheeling, WV--	47,427	-6.8%	-1.7%	

*** Williamsport, PA Area**

3	PA	Lycoming	W		1,242	8,090	5,503	1,106	1 Scranton--Wilkes-	120,044	1.1%	3.4%	
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Lycoming County is a single county MSA with a violating ozone monitor. EPA is designating this county as a single county 8-hour ozone nonattainment area.

Youngstown-Warren-Sharon, PA-OH Area

3	PA	Mercer	W	W	682	8,511	7,930	1,392	8 Youngstown--War	120,293	-0.6%	2.4%	
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Mercer County is the only county in the Sharon, PA MSA and it has a violating ozone monitor. EPA has agreed to combine Mercer County with the Youngstown-Warren, OH MSA that consists of Trumbull County, Mahoning County and Columbiana County to make up the Youngstown-Warren-Sharon nonattainment area.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
Region 4													

**** Asheville, NC Area**

4	NC	Buncombe	W	W	660	15,500	18,083	2,932	90 Asheville, NC M	206,330	18.0%	16.1%
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See response letter to State recommendations for justification.

Atlanta Area

4	GA	Barrow	W	W	163	2,693	2,290	514	85 Atlanta, GA MS	46,144	55.3%	42.5%
4	GA	Bartow	W	W	470	5,755	47,516	1,144	91 Atlanta, GA MS	76,019	36.0%	36.9%
4	GA	Carroll	W	W	504	7,110	5,402	1,241	94 Atlanta, GA MS	87,268	22.2%	38.1%
4	GA	Cherokee	W	W	434	8,666	6,614	1,571	98 Atlanta, GA MS	141,903	57.3%	50.9%
4	GA	Clayton	W	W	144	11,811	10,373	2,975	98 Atlanta, GA MS	236,517	29.9%	30.4%
4	GA	Cobb	W	W	345	30,070	31,747	7,169	98 Atlanta, GA MS	607,751	35.7%	27.7%
4	GA	Coweta	W	W	447	5,970	16,271	1,349	96 Atlanta, GA MS	89,215	65.7%	41.9%
4	GA	DeKalb	W	W	272	36,502	28,597	8,872	98 Atlanta, GA MS	665,865	22.0%	-0.4%
4	GA	Douglas	W	W	200	5,076	4,649	1,161	98 Atlanta, GA MS	92,174	29.6%	29.4%
4	GA	Fayette	W	W	199	4,898	4,447	1,056	97 Atlanta, GA MS	91,263	46.2%	32.8%
4	GA	Forsyth	W	W	247	6,488	4,984	1,062	94 Atlanta, GA MS	98,407	123.2%	84.9%
4	GA	Fulton	W	W	535	47,480	49,799	10,733	98 Atlanta, GA MS	816,006	25.7%	0.5%
4	GA	Gwinnett	W	W	437	29,389	24,097	6,257	97 Atlanta, GA MS	588,448	66.7%	39.5%
4	GA	Hall	W	W	429	10,916	7,465	1,613	21 Atlanta, GA MS	139,277	45.9%	32.2%
4	GA	Henry	W	W	325	7,009	14,639	1,503	98 Atlanta, GA MS	119,341	103.2%	77.5%
4	GA	Newton	W	W	279	5,042	4,085	917	97 Atlanta, GA MS	62,001	48.3%	68.1%
4	GA	Paulding	W	W	315	5,095	4,148	875	98 Atlanta, GA MS	81,678	96.3%	69.0%
4	GA	Rockdale	W	W	132	4,246	3,661	819	98 Atlanta, GA MS	70,111	29.6%	17.0%
4	GA	Spalding	W	W	200	3,892	3,210	708	93 Atlanta, GA MS	58,417	7.3%	7.9%
4	GA	Walton	W	W	330	4,011	2,697	597	93 Atlanta, GA MS	60,687	57.3%	52.3%

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
<i>Birmingham Area</i>												
4 AL		Jefferson	W W	1,123	50,076	75,503	8,012	97 Birmingham, AL	662,047	1.6%	1.8%	
4 AL		Shelby	W W	809	12,762	40,928	1,407	95 Birmingham, AL	143,293	44.2%	33.6%	
<i>** Buncome, McDowell, & Yancey Counties, NC Area (Blue Ridge, Black & Great Craggy Mountains)</i>												
4 NC		Buncombe	P P	660	15,500	18,083	2,932	90 Asheville, NC M	206,330	18.0%	16.1%	
See response letter to State recommendations for justification.												
4 NC		McDowell	P P	446	4,336	3,852	681	9 Asheville, NC MS	42,151	18.1%	15.8%	
See response letter to State recommendations for justification.												
4 NC		Yancey	P P	313	1,155	974	163	11 Asheville, NC M	17,774	15.3%	11.8%	
See response letter to State recommendations for justification.												
<i>Charlotte-Gastonia-Rock Hill, NC-SC Area</i>												
4 NC		Cabarrus	W P	365	8,472	7,014	1,404	96 Charlotte--Gasto	131,063	32.5%	28.0%	
See response letter to State recommendations for justification.												
4 NC		Gaston	W W	364	15,405	24,901	2,253	95 Charlotte--Gasto	190,365	8.7%	7.4%	
4 NC		Iredell	W P	594	16,454	11,719	1,817	22 Charlotte--Gasto	122,660	32.0%	26.0%	
See response letter to State recommendations for justification.												
4 NC		Lincoln	W P	308	4,423	2,973	558	81 Charlotte--Gasto	63,780	26.8%	22.1%	
See response letter to State recommendations for justification.												
4 NC		Mecklenburg	W W	550	35,341	30,404	7,619	97 Charlotte--Gasto	695,454	36.0%	29.3%	
4 NC		Rowan	W P	524	11,295	12,246	1,555	90 Charlotte--Gasto	130,340	17.8%	16.2%	
See response letter to State recommendations for justification.												
4 NC		Union	W P	640	7,998	5,120	1,049	96 Charlotte--Gasto	123,677	46.9%	35.7%	
See response letter to State recommendations for justification.												
4 SC		York	W	696	16,584	12,271	1,679	94 Charlotte--Gasto	164,614	25.2%	12.3%	
See response letter to State recommendations for justification.												
<i>Chattanooga TN-GA Area</i>												
4 GA		Catoosa	W	163	3,248	2,735	600	80 Chattanooga, T	53,282	25.5%	25.2%	
See response letter to State recommendations for justification.												

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop	90-00	00-10	Wind	Topo
4	GA	Walker	W		447	4,131	2,403	533	85 Chattanooga, T	61,053	4.7%	9.7%		
See response letter to State recommendations for justification.														
4	TN	Hamilton	W	W	576	27,103	20,062	3,609	94 Chattanooga, T	307,896	7.8%	-0.7%		
See response letter to State recommendations for justification.														
4	TN	Marion	W		514	2,736	3,272	601	85 Chattanooga, T	27,776	11.7%	7.8%		
See response letter to State recommendations for justification.														
4	TN	Meigs	W	W	217	874	882	97	12 Chattanooga, T	11,086	38.0%	4.2%		

Cincinnati-Hamilton, OH-KY-IN Area

4	KY	Boone	W	W	257	6,975	18,349	852	98 Cincinnati--Hami	85,991	49.3%	46.6%		
4	KY	Campbell	W	W	159	4,789	5,714	1,108	98 Cincinnati--Hami	88,616	5.7%	4.3%		
4	KY	Kenton	W	W	165	8,150	9,092	1,835	98 Cincinnati--Hami	151,464	6.6%	5.5%		

Clarkesville-Hopkinsville, TN-KY Area

4	KY	Christian	W	W	724	6,371	5,856	942	94 Clarksville--Hop	72,265	4.8%	3.5%		
See response letter to State recommendations for justification.														
4	TN	Montgomery	W		544	8,202	5,709	1,216	86 Clarksville--Hop	134,768	34.1%	21.6%		
See response letter to State recommendations for justification.														

Columbia Area

4	SC	Lexington	W	P	759	18,724	16,389	2,399	94 Columbia, SC M	216,014	28.9%	13.2%		
See response letter to State recommendations for justification.														
4	SC	Richland	W	P	772	26,094	26,490	3,315	95 Columbia, SC M	320,677	12.2%	2.6%		
See response letter to State recommendations for justification.														

Fayetteville, NC Area

4	NC	Cumberland	W	W	660	18,907	12,844	3,086	91 Fayetteville, NC	302,963	10.3%	10.5%		
See response letter to State recommendations for justification.														

Greensboro-Winston-Salem-High Point, NC Area

4	NC	Alamance	W	W	435	9,154	5,880	1,499	86 Greensboro--Wi	130,800	20.9%	18.9%		
See response letter to State recommendations for justification.														

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
4	NC	Caswell	W	P	428	1,619	1,103	216	33	Greensboro--Wi	23,501	13.6%	12.2%
Applied 11 factors to reduce boundaries, both within the CMSA and within violating counties adjacent to the CMSA - The boundaries were reduced to encompass only those populations directly impacted/impacting the violating monitors. - State believes that the compliance strategy in place for the NOx SIP call, their own 8-hour ozone standard, and its multi-pollutant bill are sufficient to bring all areas into attainment. Low Sulfur gasoline will be statewide in 2005. Need more information from State.													
4	NC	Davidson	W	W	567	15,209	11,756	1,669	96	Greensboro--Wi	147,246	16.2%	13.6%
See response letter to State recommendations for justification.													
4	NC	Davie	W	P	267	3,265	2,123	455	86	Greensboro--Wi	34,835	25.0%	20.8%
See response letter to State recommendations for justification.													
4	NC	Forsyth	W	W	413	21,616	15,563	3,651	97	Greensboro--Wi	306,067	15.1%	13.7%
See response letter to State recommendations for justification.													
4	NC	Guilford	W	W	658	35,295	20,509	4,947	97	Greensboro--Wi	421,048	21.2%	18.5%
See response letter to State recommendations for justification.													
4	NC	Randolph	W	P	790	10,316	6,168	1,406	95	Greensboro--Wi	130,454	22.4%	19.7%
See response letter to State recommendations for justification.													
4	NC	Rockingham	W	P	572	12,737	13,086	872	34	Greensboro--Wi	91,928	6.8%	5.6%
State believes that the compliance strategy it has already begun implementing for the NOx SIP call, the State's own 8-hour ozone standard, and its multi-pollutant bill are sufficient to bring all areas into attainment. Duke's Dan River PP in Rockingham has not installed NOx SIP level controls and is has an expected emission rate of 0.35 lb/mmBtu. I/M Program (OBD) begins in January 2004. Low Sulfur gasoline will be required statewide in 2005. Need more information from State.													
4	NC	Stokes	W		456	2,575	70,054	390	86	Greensboro--Wi	44,711	20.1%	16.2%
See response letter to State recommendations for justification.													
4	NC	Yadkin	W		337	2,283	2,207	493	82	Greensboro--Wi	36,348	19.2%	17.7%
See response letter to State recommendations for justification.													
Greenville-Spartanburg-Anderson Area													
4	SC	Anderson	W	P	758	15,765	12,366	1,949	94	Greenville--Spar	165,740	14.1%	6.4%
See response letter to State recommendations for justification.													
4	SC	Cherokee	W		397	4,411	4,245	690	89	Greenville--Spar	52,537	18.0%	4.1%
See response letter to State recommendations for justification.													
4	SC	Greenville	W	P	797	31,994	16,221	3,397	97	Greenville--Spar	379,616	18.6%	4.1%
See response letter to State recommendations for justification.													
4	SC	Pickens	W		512	9,191	5,028	986	93	Greenville--Spar	110,757	18.0%	12.9%
See response letter to State recommendations for justification.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
4	SC	Spartanburg	W	P	819	26,658	19,735	3,275	96	Greenville--Spar	253,791	11.9%	9.3%
See response letter to State recommendations for justification.													
Haywood & Swain Counties, NC Area (Great Smoky Mountains National Park)													
4	NC	Haywood	P	P	555	5,719	8,766	968	17	Asheville, NC M	54,033	15.1%	11.7%
See response letter to State recommendations for justification.													
4	NC	Swain	P	P	541	1,132	567	119	1	Asheville, NC MS	12,968	15.1%	13.1%
See response letter to State recommendations for justification.													
Haywood County, NC Area (Plott Balsam Mountains)													
4	NC	Haywood	P	P	555	5,719	8,766	968	17	Asheville, NC M	54,033	15.1%	11.7%
See response letter to State recommendations for justification.													
** Haywood, Jackson, & Transylvania Counties, NC Area (Great Balsam Mountains)													
4	NC	Haywood	P	P	555	5,719	8,766	968	17	Asheville, NC M	54,033	15.1%	11.7%
See response letter to State recommendations for justification.													
4	NC	Jackson	P	P	494	1,799	1,366	260	2	Asheville, NC MS	33,121	23.4%	16.1%
See response letter to State recommendations for justification.													
4	NC	Transylvania	P		381	3,262	2,849	211	1	Greenville--Spart	29,334	14.9%	10.7%
See response letter to State recommendations for justification.													
Hickory-Morganton-Lenoir, NC Area													
4	NC	Alexander	W	P	263	3,147	1,028	217	86	Hickory--Morgan	33,603	22.0%	18.8%
See response letter to State recommendations for justification.													
4	NC	Burke	W	P	515	7,864	4,825	1,061	95	Hickory--Morgan	89,148	17.7%	14.5%
See response letter to State recommendations for justification.													
4	NC	Caldwell	W	P	475	11,743	3,610	701	97	Hickory--Morgan	77,415	9.5%	7.4%
See response letter to State recommendations for justification.													
4	NC	Catawba	W	P	414	19,962	34,840	1,956	90	Hickory--Morgan	141,685	19.7%	17.1%
See response letter to State recommendations for justification.													
Huntington-Ashland, WV-KY-OH Area													
4	KY	Boyd	W	W	162	9,520	13,732	545	93	Huntington--Ash	49,752	-2.7%	-3.2%
See response letter to State recommendations for justification.													

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
Johnson City-Kingsport-Bristol, TN Area												
4 TN		Carter	W	348	4,801	2,246	503	92 Johnson City--Ki	56,742	10.2%	-5.5%	
See response letter to State recommendations for justification.												
4 TN		Hawkins	W	500	5,899	17,952	449	83 Johnson City--Ki	53,563	20.2%	1.8%	
See response letter to State recommendations for justification.												
4 TN		Sullivan	W W	430	23,867	25,353	1,798	97 Johnson City--Ki	153,048	6.6%	2.3%	
See response letter to State recommendations for justification.												
4 TN		Unicoi	W	186	1,021	831	135	94 Johnson City--Ki	17,667	6.8%	2.2%	
See response letter to State recommendations for justification.												
4 TN		Washington	W W	330	7,425	5,217	1,184	94 Johnson City--Ki	107,198	16.1%	8.2%	
Knoxville Area												
4 TN		Anderson	W W	345	5,343	19,303	819	94 Knoxville, TN M	71,330	4.5%	6.5%	
4 TN		Blount	W W	567	8,202	5,393	1,111	96 Knoxville, TN M	105,823	23.1%	8.8%	
See response letter to State recommendations for justification.												
4 TN		Jefferson	W W	314	4,314	3,333	657	32 Knoxville, TN M	44,294	34.2%	13.3%	
4 TN		Knox	W W	526	30,872	24,176	4,786	96 Knoxville, TN M	382,032	13.8%	5.9%	
4 TN		Loudon	W W	247	5,320	5,997	673	87 Knoxville, TN M	39,086	25.1%	15.0%	
4 TN		Sevier	W W	597	4,610	2,907	670	96 Knoxville, TN M	71,170	39.4%	15.3%	
See response letter to State recommendations for justification.												
4 TN		Union	W	247	1,067	1,018	111	95 Knoxville, TN M	17,808	30.0%	13.5%	
See response letter to State recommendations for justification.												
Louisville, KY-IN Area												
4 KY		Bullitt	W W	300	6,025	3,883	850	95 Louisville, KY--I	61,236	28.7%	27.3%	
4 KY		Jefferson	W W	398	58,631	89,587	7,772	97 Louisville, KY--I	693,604	4.3%	3.4%	
4 KY		Oldham	W W	195	2,368	3,973	509	94 Louisville, KY--I	46,178	38.8%	36.0%	
Macon Area												
4 GA		Bibb	W W	255	10,365	11,800	1,464	94 Macon, GA MS	153,887	2.6%	-1.3%	
See response letter to State recommendations for justification.												

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
4	GA	Houston	W		382	5,652	6,103	907	95 Macon, GA MS	110,765	24.2%	16.5%	
See response letter to State recommendations for justification.													
4	GA	Monroe	W		398	2,296	46,479	499	34 Macon, GA MS	21,757	27.1%	13.3%	
Contains a large power plant that has not controlled to NOx SIP Call levels (Scherer). Need more information from State.													

Memphis TN-AR-MS Area

4	MS	DeSoto	W	W	497	8,091	8,847	1,119	90 Memphis, TN--A	107,199	57.9%	34.4%	
See response letter to State recommendations for justification.													
4	TN	Fayette	W		706	3,336	3,096	500	96 Memphis, TN--A	28,806	12.7%	11.9%	
See response letter to State recommendations for justification.													
4	TN	Shelby	W	W	783	69,366	73,785	8,359	98 Memphis, TN--A	897,472	8.6%	5.2%	
4	TN	Tipton	W		475	3,132	5,093	447	95 Memphis, TN--A	51,271	36.5%	8.4%	
See response letter to State recommendations for justification.													

Murray County, GA Area (Chattahoochee National Forest)

4	GA	Murray	P	P	347	1,681	1,975	357		36,506	39.6%	23.9%	
See response letter to State recommendations for justification.													

Nashville Area

4	TN	Cheatham	W		307	2,595	2,207	366	96 Nashville, TN M	35,912	32.3%	38.5%	
See response letter to State recommendations for justification.													
4	TN	Davidson	W	W	525	36,682	38,238	7,513	98 Nashville, TN M	569,891	11.6%	0.8%	
4	TN	Dickson	W		492	5,418	3,124	536	93 Nashville, TN M	43,156	23.1%	24.2%	
See response letter to State recommendations for justification.													
4	TN	Robertson	W		477	5,485	4,461	844	96 Nashville, TN M	54,433	31.2%	16.0%	
See response letter to State recommendations for justification.													
4	TN	Rutherford	W	W	625	13,601	9,654	1,971	96 Nashville, TN M	182,023	53.5%	18.3%	
4	TN	Sumner	W	W	542	10,655	21,946	1,375	96 Nashville, TN M	130,449	26.3%	21.3%	
4	TN	Williamson	W	W	583	8,244	7,107	1,338	93 Nashville, TN M	126,638	56.3%	21.3%	
4	TN	Wilson	W	W	583	6,378	4,930	1,038	97 Nashville, TN M	88,809	31.2%	21.4%	

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
Raleigh-Durham-Chapel Hill, NC Area													
4	NC	Chatham	W	P	709	4,734	8,171	408	84	Raleigh--Durha	49,329	27.3%	21.8%
See response letter to State recommendations for justification.													
4	NC	Durham	W	W	298	12,653	10,607	2,439	96	Raleigh--Durha	223,314	22.8%	15.6%
See response letter to State recommendations for justification.													
4	NC	Franklin	W	P	494	3,081	1,933	412	87	Raleigh--Durha	47,260	29.8%	24.8%
See response letter to State recommendations for justification.													
4	NC	Granville	W	P	538	3,499	3,215	707	37	Raleigh--Durha	48,498	26.5%	20.3%
Rec. as partial due to location outside of the CMSA and rural nature. Boundary essentially encompasses violating monitors. - Boundary encompasses violating monitor and 1-ozone maintenance area. 'I/M program (OBD) will begin in Granville County in January 2004. - - Low Sulfur gasoline will be required statewide in 2005. Need more information from State.													
4	NC	Johnston	W	P	796	8,617	8,427	1,760	90	Raleigh--Durha	121,965	50.0%	38.0%
See response letter to State recommendations for justification.													
4	NC	Orange	W	W	401	6,878	6,624	1,423	93	Raleigh--Durha	118,227	26.0%	19.1%
See response letter to State recommendations for justification.													
4	NC	Person	W	P	404	2,812	50,425	316	32	Raleigh--Durha	35,623	18.0%	14.8%
Rec. as partial due to location outside of the CMSA and rural nature. Boundary essentially encompasses violating monitors. - Person County contains 2 large PPs (Roxboro and Mayo). However, both of these Progress Energy Power Plants plan to install SCRs on all units and will incorporate controls into title V permits. Low Sulfur gasoline will be required statewide in 2005. (I/M program will not be required in Person County.) Need more information from State.													
4	NC	Wake	W	W	857	31,534	26,992	6,763	96	Raleigh--Durha	627,846	48.3%	36.5%
Rocky Mount, NC Area													
4	NC	Edgecombe	W	P	507	4,783	4,981	534	87	Rocky Mount, N	55,606	-1.7%	-3.0%
See response letter to State recommendations for justification.													
4	NC	Nash	W		543	8,372	5,750	1,158	78	Rocky Mount, N	87,420	14.0%	11.8%
See response letter to State recommendations for justification.													
Region 5													
Benton Harbor Area - MI													
5	MI	Berrien	W	W	579	12,157	10,819	1,994	81	Benton Harbor,	162,453	0.7%	-1.0%
Benzie County Area - MI													
5	MI	Benzie	W	W	346	2,697	981	159			15,998	31.1%	1.3%

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
<i>Canton-Massillion, OH Area</i>												
5 OH		Stark	W W	580	22,840	15,755	3,076	80	Canton--Massill	378,098	2.9%	-0.2%
<i>Cass County Area - MI</i>												
5 MI		Cass	W W	509	3,324	2,176	353	13	Benton Harbor,	51,104	3.3%	-1.4%
<i>Central Indiana (Indianapolis) Area</i>												
5 IN		Boone	W W	423	4,017	3,642	706	94	Indianapolis, IN	46,107	20.9%	5.9%
5 IN		Hamilton	W W	402	9,969	10,302	1,725	95	Indianapolis, IN	182,740	67.7%	14.0%
5 IN		Hancock	W W	306	4,232	4,105	698	96	Indianapolis, IN	55,391	21.7%	12.6%
5 IN		Hendricks	W W	408	5,774	6,134	1,187	97	Indianapolis, IN	104,093	37.5%	10.8%
5 IN		Johnson	W W	321	7,725	5,447	1,293	95	Indianapolis, IN	115,209	30.8%	11.6%
5 IN		Madison	W W	452	9,583	8,182	1,479	91	Indianapolis, IN	133,358	2.1%	0.2%
5 IN		Marion	W W	403	55,852	54,628	9,263	98	Indianapolis, IN	860,454	7.9%	-2.7%
5 IN		Morgan	W W	409	4,399	7,909	887	94	Indianapolis, IN	66,689	19.3%	15.8%
5 IN		Shelby	W W	413	4,555	6,367	608	94	Indianapolis, IN	43,445	7.8%	8.2%
<i>Chicago-Gary-Lake County, IL-IN Area</i>												
5 IL		Cook	W W	957	251,711	209,406	42,741	99	Chicago--Gary--	5,376,741	5.3%	-1.9%
Original 1-hour nonattainment area. Major source area. Violating 8-hour standard.												
5 IL		DuPage	W W	336	41,667	31,160	6,403	99	Chicago--Gary--	904,161	15.7%	2.8%
Part of original 1-hour nonattainment area. Major source area.												
5 IL		Grundy	P P	430	3,767	9,304	525	95	Chicago--Gary--	37,535	16.1%	5.0%
Emissions and population are low percentages of CMSA totals. Emissions growth projection is relatively low compared to CMSA. "In" portion part of original 1-hour nonattainment area. More info in separate document.												
5 IL		Kane	W W	523	15,455	9,875	839	99	Chicago--Gary--	404,119	27.3%	14.3%
Part of original 1-hour nonattainment area. Major source area.												
5 IL		Kendall	P P	322	3,005	3,103	278	98	Chicago--Gary--	54,544	38.4%	3.7%
Emissions and population are low percentages of CMSA totals. Emissions growth projection is small compared to CMSA. "In" portion part of original 1-hour nonattainment area. More info in separate document.												
5 IL		Lake	W W	468	36,105	26,711	3,434	99	Chicago--Gary--	644,356	24.8%	4.2%
Part of original 1-hour nonattainment area. Major source area.												

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
5	IL	McHenry	W	W	610	9,727	6,184	783	98 Chicago--Gary--	260,077	41.9%	14.8%	
Part of original 1-hour nonattainment area. Major source area.													
5	IL	Will	W	W	848	21,199	53,958	2,106	99 Chicago--Gary--	502,266	40.6%	21.3%	
Part of original 1-hour nonattainment area. Major source area.													
5	IN	Lake	W	W	502	36,195	71,834	4,769	97 Chicago--Gary--	484,564	1.9%	2.5%	
Part of original 1-hour nonattainment area. Major source area.													
5	IN	Porter	W	W	419	11,959	46,408	1,616	92 Chicago--Gary--	146,798	13.9%	10.9%	
Part of original 1-hour nonattainment area. Major source area.													
<i>Cincinnati-Hamilton, OH-KY-IN Area</i>													
5	IN	Dearborn	W		307	3,754	39,275	580	90 Cincinnati--Hami	46,109	18.7%	22.9%	
5	OH	Butler	W	W	470	14,386	19,643	2,464	95 Cincinnati--Hami	332,807	14.2%	16.1%	
5	OH	Clermont	W	W	457	7,851	53,375	1,602	98 Cincinnati--Hami	177,977	18.5%	7.1%	
5	OH	Clinton	W	W	412	2,606	2,649	417	18 Cincinnati--Hami	40,543	14.5%	15.7%	
5	OH	Hamilton	W	W	413	48,403	69,698	8,108	98 Cincinnati--Hami	845,303	-2.4%	4.4%	
5	OH	Warren	W	W	407	7,123	7,916	1,292	80 Cincinnati--Hami	158,383	39.0%	3.2%	
<i>Cleveland-Akron, OH Area</i>													
5	OH	Ashtabula	W	W	709	11,387	15,055	1,078	96 Cleveland--Akro	102,728	2.9%	6.8%	
5	OH	Cuyahoga	W	W	459	71,092	57,573	11,885	99 Cleveland--Akro	1,393,978	-1.3%	-2.0%	
5	OH	Geauga	W	W	408	4,974	4,317	884	98 Cleveland--Akro	90,895	12.0%	5.3%	
5	OH	Lake	W	W	231	15,984	28,524	1,880	99 Cleveland--Akro	227,511	5.6%	-2.6%	
5	OH	Lorain	W	W	494	17,287	35,972	2,447	97 Cleveland--Akro	284,664	5.0%	6.6%	
5	OH	Medina	W	W	423	6,940	7,669	1,587	95 Cleveland--Akro	151,095	23.5%	8.0%	
5	OH	Portage	W	W	506	8,563	9,655	1,741	94 Cleveland--Akro	152,061	6.6%	3.6%	
5	OH	Summit	W	W	419	25,639	28,747	4,989	95 Cleveland--Akro	542,899	5.4%	0.5%	
<i>Columbus, OH Area</i>													
5	OH	Delaware	W	W	455	5,614	6,396	1,063	92 Columbus, OH	109,989	64.3%	-3.4%	
5	OH	Fairfield	W	W	508	5,842	6,821	1,041	96 Columbus, OH	122,759	18.7%	17.0%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
5 OH	Franklin	W W	543	49,922	42,293	9,181	97 Columbus, OH	1,068,978	11.2%	7.1%			
5 OH	Knox	W W	529	2,780	2,393	465	21 Columbus, OH	54,500	14.8%	2.0%			
5 OH	Licking	W W	688	7,231	8,062	1,407	96 Columbus, OH	145,491	13.4%	4.2%			
5 OH	Madison	W W	466	2,700	3,334	596	89 Columbus, OH	40,213	8.5%	14.5%			
Dayton-Springfield, OH Area													
5 OH	Clark	W W	403	8,052	6,142	1,424	91 Dayton--Springfi	144,742	-1.9%	4.3%			
5 OH	Greene	W W	416	6,100	8,842	1,283	94 Dayton--Springfi	147,886	8.2%	5.0%			
5 OH	Miami	W W	409	5,608	4,402	835	90 Dayton--Springfi	98,868	6.1%	7.3%			
5 OH	Montgomery	W W	464	29,711	24,848	5,610	94 Dayton--Springfi	559,062	-2.6%	6.8%			
Detroit-Ann Arbor-Flint Area - MI													
5 MI	Genesee	W	648	24,077	21,582	4,687	95 Detroit--Ann Arb	436,141	1.3%	-1.2%			
1-hour ozone area, jurisdictional, some air quality and meteorological information													
5 MI	Lapeer	W	661	5,844	5,567	1,098	96 Detroit--Ann Arb	87,904	17.6%	15.0%			
in separate document													
5 MI	Lenawee	W W	761	5,755	4,728	880	90 Detroit--Ann Arb	98,890	8.1%	5.8% upwind			
5 MI	Livingston	W W	588	8,060	8,492	1,742	96 Detroit--Ann Arb	156,951	35.7%	13.9%			
5 MI	Macomb	W W	483	36,353	34,152	6,500	99 Detroit--Ann Arb	788,149	9.9%	-1.8%			
5 MI	Monroe	W W	559	13,500	68,158	1,583	79 Detroit--Ann Arb	145,945	9.2%	1.2%			
5 MI	Oakland	W W	906	56,298	45,407	10,076	99 Detroit--Ann Arb	1,194,156	10.2%	11.3%			
5 MI	St. Clair	W W	736	9,994	51,657	1,954	99 Detroit--Ann Arb	164,235	12.8%	6.5%			
5 MI	Washtenaw	W W	721	17,037	15,342	3,271	98 Detroit--Ann Arb	322,895	14.1%	2.1%			
5 MI	Wayne	W W	617	95,173	118,771	18,779	99 Detroit--Ann Arb	2,061,162	-2.4%	-7.1%			
Door County Area - WI													
5 WI	Door	W W	488	6,135	1,997	275	5 Green Bay, WI M	27,961	8.8%	-3.1%			
Evansville IN-KY Area													
5 IN	Vanderburgh	W	236	13,819	10,121	1,757	96 Evansville--Hen	171,922	4.2%	-0.6%			
5 IN	Warrick	W W	391	5,078	31,131	797	93 Evansville--Hen	52,383	16.6%	11.4%			

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
Fort Wayne IN Area													
5	IN	Allen	W	W	659	25,141	17,843	3,254	97 Fort Wayne, IN	331,849	10.3%	1.0%	
5	IN	Huntington	W		387	4,530	3,812	616	93 Fort Wayne, IN	38,075	7.5%	4.6%	
Grand Rapids-Muskegon-Holland Area - MI													
5	MI	Allegan	W	W	841	9,850	7,500	1,255	86 Grand Rapids--	105,665	16.7%	5.9%	Lake Michigan Transport Area
5	MI	Kent	W		870	35,737	24,676	5,227	97 Grand Rapids--	574,335	14.7%	5.7%	Lake Michigan Transport Area
5	MI	Muskegon	W	W	526	9,996	14,011	1,457	97 Grand Rapids--	170,200	7.1%	-0.8%	Lake Michigan Transport Area
5	MI	Ottawa	W	W	578	14,996	48,593	2,299	98 Grand Rapids--	238,314	26.9%	13.0%	Lake Michigan Transport Area
Greene County IN Area													
5	IN	Greene	W		545	3,055	2,136	389	25 Bloomington, IN	33,157	9.0%	7.8%	
Huntington-Ashland, WV-KY-OH Area													
5	OH	Lawrence	W	W	469	4,087	4,133	620	91 Huntington--Ash	62,319	0.8%	1.4%	
*Huron County Area - MI													
5	MI	Huron	W		838	4,491	3,881	334		36,079	3.2%	-4.4%	
Jackson County IN Area													
5	IN	Jackson	W		513	4,815	3,598	652	0 Bloomington, IN	41,335	9.6%	9.5%	
**Jefferson County Area - WI													
5	WI	Jefferson	W		582	5,642	5,284	876	18 Milwaukee--Raci	74,021	9.2%	3.2%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
* Kalamazoo-Battle Creek Area - MI												
5 MI		Calhoun	W	717	8,612	8,472	1,646		137,985	1.5%	5.4%	
5 MI		Kalamazoo	W	578	13,919	13,022	2,351	4 Grand Rapids--M	238,603	6.8%	1.1%	
5 MI		Van Buren	W	624	5,556	4,816	900	8 Benton Harbor, M	76,263	8.9%	14.2%	
Kewaunee County Area - WI												
5 WI		Kewaunee	W W	343	3,202	1,500	188	33 Green Bay, WI	20,187	6.9%	-2.2%	
* Lansing-East Lansing Area - MI												
5 MI		Clinton	W	574	4,300	4,251	811		64,753	11.9%	1.3%	
5 MI		Eaton	W	577	5,534	8,088	1,101		103,655	11.6%	5.7%	
5 MI		Ingham	W	558	14,866	18,126	2,687	6 Detroit--Ann Arbo	279,320	-0.9%	0.3%	
LaPorte IN Area												
5 IN		La Porte	W W	603	10,873	16,569	1,465	15 Chicago--Gary--	110,106	2.8%	1.8%	
Lima, OH Area												
5 OH		Allen	W W	406	12,698	10,090	1,144	88 Lima, OH MSA	108,473	-1.2%	-1.9%	
Louisville, KY-IN Area												
5 IN		Clark	W W	376	7,310	5,286	1,233	97 Louisville, KY--I	96,472	9.9%	5.8%	
5 IN		Floyd	W W	149	4,897	10,765	826	98 Louisville, KY--I	70,823	10.0%	12.8%	
Manitowoc County Area - WI												
5 WI		Manitowoc	W W	594	7,489	6,813	1,041	9 Sheboygan, WI M	82,887	3.1%	2.1%	
Mason County Area - MI												
5 MI		Mason	W W	509	3,245	2,109	253		28,274	10.7%	-1.7%	
including tribal lands												
Milwaukee-Racine Area - WI												
5 WI		Kenosha	W W	279	8,549	30,856	1,276	13 Milwaukee--Raci	149,577	16.7%	2.2%	
5 WI		Milwaukee	W W	242	43,378	57,709	9,265	98 Milwaukee--Raci	940,164	-2.0%	12.3%	
5 WI		Ozaukee	W W	234	6,074	6,965	948	96 Milwaukee--Raci	82,317	13.0%	5.9%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
5	WI	Racine	W	W	340	8,584	7,528	1,388	88 Milwaukee--Raci	188,831	7.9%	1.1%	
5	WI	Washington	W	W	435	5,778	5,662	1,080	96 Milwaukee--Raci	117,493	23.3%	7.6%	
5	WI	Waukesha	W	W	579	18,295	17,024	3,482	97 Milwaukee--Raci	360,767	18.4%	2.7%	
<i>Muncie IN Area</i>													
5	IN	Delaware	W	W	396	10,442	6,675	1,215	9 Indianapolis, IN	118,769	-0.7%	-1.1%	
<i>Parkersburg-Marietta, WV-OH Area</i>													
5	OH	Washington	W	W	635	5,355	34,234	717	92 Parkersburg--M	63,251	1.6%	-8.8%	
<i>Sheboygan Area - WI</i>													
5	WI	Sheboygan	W	W	517	7,825	21,997	1,115	88 Sheboygan, WI	112,646	8.4%	-3.5%	
<i>South Bend-Elkhart IN Area</i>													
5	IN	Elkhart	W	W	467	22,101	12,911	2,045	5 South Bend, IN M	182,791	17.0%	3.8%	
5	IN	St. Joseph	W	W	460	19,600	14,334	2,293	83 South Bend, IN	265,559	7.5%	2.7%	
<i>St. Louis, MO-IL Area</i>													
5	IL	Jersey	W	W	377	1,231	1,829	196	95 St. Louis, MO--I	21,668	5.5%	14.3%	
Violating 8-hour standard.													
5	IL	Madison	W	W	740	19,990	39,134	2,728	97 St. Louis, MO--I	258,941	3.9%	4.4%	
Part of original 1-hour nonattainment area. Major source area.													
5	IL	Monroe	W	W	397	1,497	2,571	263	94 St. Louis, MO--I	27,619	23.2%	12.7%	
Part of original 1-hour nonattainment area.													
5	IL	St. Clair	W	W	673	14,276	12,630	2,816	98 St. Louis, MO--I	256,082	-2.6%	17.0%	
Part of original 1-hour nonattainment area. Major source area.													
<i>Steubenville-Weirton, OH-WV Area</i>													
5	OH	Jefferson	W	W	410	4,237	98,387	722	80 Steubenville--W	73,894	-8.0%	2.0%	
<i>Terre Haute IN Area</i>													
5	IN	Vigo	W	W	410	11,072	16,918	1,359	94 Terre Haute, IN	105,848	-0.2%	-3.4%	
<i>Toledo, OH Area</i>													
5	OH	Lucas	W	W	347	29,232	39,085	4,138	94 Toledo, OH MS	455,054	-1.6%	0.4%	

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
5	OH	Wood	W	W	620	7,585	9,102	1,351	88 Toledo, OH MS	121,065	6.9%	3.6%	
Wheeling, WV-OH Area													
5	OH	Belmont	W		541	4,419	11,314	1,027	84 Wheeling, WV--	70,226	-1.2%	-10.4%	
Youngstown-Warren-Sharon, PA-OH Area													
5	OH	Columbiana	W	W	534	5,968	6,073	915	79 Youngstown--W	112,075	3.5%	1.7%	
5	OH	Mahoning	W	W	423	15,562	12,853	2,507	91 Youngstown--W	257,555	-2.7%	7.4%	
5	OH	Trumbull	W	W	633	17,352	18,878	2,056	86 Youngstown--W	225,116	-1.2%	4.7%	
Region 6													
** Austin-San Marcos Area													
6	TX	Bastrop	W		897	2,297	4,675	484	96 Austin--San Mar	57,733	50.9%	59.7%	
6	TX	Caldwell	W		548	2,665	3,127	344	92 Austin--San Mar	32,194	22.0%	42.8%	
6	TX	Hays	W		681	4,744	7,280	1,131	93 Austin--San Mar	97,589	48.7%	71.0%	
6	TX	Travis	W	W	1,023	36,392	30,283	7,159	98 Austin--San Mar	812,280	40.9%	28.5%	
Attaining													
6	TX	Williamson	W		1,138	10,837	9,474	2,281	97 Austin--San Mar	249,967	79.1%	69.9%	
Baton Rouge Area													
6	LA	Ascension	W	W	303	9,227	22,443	805	87 Baton Rouge, L	76,627	31.6%	1.4%	
6	LA	East Baton Rouge	W	W	471	29,046	47,783	3,284	94 Baton Rouge, L	412,852	8.6%	7.8%	
6	LA	Iberville	W	W	652	6,744	40,763	417	41 Baton Rouge, L	33,320	7.3%	-2.5%	
6	LA	Livingston	W	W	703	6,221	4,438	1,005	86 Baton Rouge, L	91,814	30.2%	2.6%	
6	LA	West Baton Rouge	W	W	205	4,541	5,611	302	86 Baton Rouge, L	21,601	11.2%	2.7%	
Beaumont/Port Arthur Area													
6	TX	Hardin	W	W	898	3,315	3,512	586	90 Beaumont--Port	48,073	16.3%	13.4%	
6	TX	Jefferson	W	W	986	31,769	50,488	2,502	96 Beaumont--Port	252,051	5.3%	4.0%	
6	TX	Orange	W	W	386	9,087	22,741	947	94 Beaumont--Port	84,966	5.5%	6.5%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
<i>Dallas-Fort Worth Area</i>												
6 TX		Collin	W W	886	15,709	16,560	3,180	98 Dallas--Fort Wor	491,675	86.2%	66.2%	Downwind
6 TX		Dallas	W W	909	90,840	99,917	24,305	99 Dallas--Fort Wor	2,218,899	19.8%	21.6%	
6 TX		Denton	W W	958	16,308	17,086	4,018	98 Dallas--Fort Wor	432,976	58.3%	69.8%	Downwind
6 TX		Ellis	W W	952	9,774	17,836	1,550	97 Dallas--Fort Wor	111,360	30.8%	36.4%	Upwind
6 TX		Henderson	W	950	5,888	6,126	851	78 Dallas--Fort Wor	73,277	25.2%	30.1%	Upwind
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.												
6 TX		Hood	W	437	2,173	9,621	375	90 Dallas--Fort Wor	41,100	41.8%	38.8%	Upwind
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.												
6 TX		Hunt	W	883	5,271	4,269	954	95 Dallas--Fort Wor	76,596	19.0%	32.4%	Downwind
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.												
6 TX		Johnson	W W	735	6,852	8,911	1,515	97 Dallas--Fort Wor	126,811	30.5%	33.7%	Upwind
6 TX		Kaufman	W	807	5,603	4,382	965	98 Dallas--Fort Wor	71,313	36.6%	46.3%	Upwind
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.												
6 TX		Parker	W W	911	5,515	6,480	1,268	96 Dallas--Fort Wor	88,495	36.6%	35.2%	Upwind
6 TX		Rockwall	W	149	2,003	1,516	377	98 Dallas--Fort Wor	43,080	68.3%	57.1%	Upwind
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.												
6 TX		Tarrant	W W	898	59,672	65,154	15,339	99 Dallas--Fort Wor	1,446,219	23.6%	20.4%	
<i>Houston-Galveston-Brazoria area</i>												
6 TX		Brazoria	W W	1,488	16,232	47,134	2,123	98 Houston--Galve	241,767	26.1%	29.2%	
6 TX		Chambers	W W	870	5,375	12,071	556	90 Houston--Galve	26,031	29.6%	37.7%	
6 TX		Fort Bend	W W	887	13,709	48,335	2,993	98 Houston--Galve	354,452	57.2%	49.6%	
6 TX		Galveston	W W	669	22,395	44,415	2,272	98 Houston--Galve	250,158	15.1%	9.7%	
6 TX		Harris	W W	1,780	154,774	206,484	32,295	99 Houston--Galve	3,400,578	20.7%	23.2%	
6 TX		Liberty	W W	1,177	3,648	5,205	748	94 Houston--Galve	70,154	33.1%	27.6%	
6 TX		Montgomery	W W	1,078	13,229	21,650	3,642	96 Houston--Galve	293,768	61.2%	55.2%	
6 TX		Waller	W W	519	1,638	3,974	326	93 Houston--Galve	32,663	39.6%	42.5%	

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
** Little Rock Area													
6 AR	Faulkner		W	W	664	6,067	5,339	943	95 Little Rock--Nort	86,014	43.3%	23.2%	
Attaining													
6 AR	Lonoke		W	W	803	3,519	5,070	756	93 Little Rock--Nort	52,828	34.5%	26.7%	
Attaining													
6 AR	Pulaski		W	W	808	25,100	22,531	3,987	97 Little Rock--Nort	361,474	3.4%	2.6%	
Attaining													
6 AR	Saline		W	W	730	4,344	5,351	949	94 Little Rock--Nort	83,529	30.1%	22.1%	
Attaining													
** Longview-Marshall Area													
6 TX	Gregg		W	W	277	11,190	9,705	1,202	91 Longview--Mars	111,379	6.1%	7.2%	
Attaining													
6 TX	Harrison		W		916	12,695	19,887	938	85 Longview--Mars	62,110	8.0%	15.0%	
6 TX	Rusk		W		939	6,991	31,394	521	28 Longview--Mars	47,372	8.3%	5.3%	
6 TX	Tyler		W		936	1,840	1,061	252	24 Beaumont--Port	20,871	25.4%	18.6%	
6 TX	Upshur		W		593	6,795	2,382	430	81 Longview--Mars	35,291	12.5%	14.4%	
Memphis TN-AR-MS Area													
6 AR	Crittenden		W	W	637	6,815	8,956	786	94 Memphis, TN--A	50,866	1.9%	0.2%	
San Antonio Area													
6 TX	Bexar		W	W	1,258	69,736	74,454	12,581	97 San Antonio, TX	1,392,931	17.5%	13.5%	
6 TX	Comal		W		575	4,161	7,872	773	90 San Antonio, TX	78,021	50.5%	52.3%	
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.													
6 TX	Guadalupe		W		715	8,728	5,706	1,095	88 San Antonio, TX	89,023	37.2%	37.9%	
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.													
6 TX	Wilson		W		810	1,963	1,722	397	94 San Antonio, TX	32,408	43.1%	47.1%	
Include as part of the presumptive boundary since the State did not provide any rationale using the 11 factors.													
** Tulsa Area													
6 OK	Creek		W		969	4,147	5,981	887	95 Tulsa, OK MSA	67,367	10.6%	6.9%	

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
6	OK	Osage	W		2,303	3,833	3,196	588	81 Tulsa, OK MSA	44,437	6.7%	6.9%	
6	OK	Rogers	W		711	4,882	27,004	1,148	96 Tulsa, OK MSA	70,641	28.0%	13.4%	
6	OK	Tulsa	W		587	39,735	44,940	6,707	98 Tulsa, OK MSA	563,299	11.9%	6.3%	
Attaining													
6	OK	Wagoner	W		591	3,087	4,141	713	90 Tulsa, OK MSA	57,491	20.1%	13.2%	

Region 7

**** Kansas City, KS-MO Area**

7	KS	Johnson	W	W	480	25,244	23,235	4,379	98 Kansas City, M	451,086	27.0%	23.0%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	KS	Linn	W		606	1,069	37,368	138	41 Kansas City, M	9,570	15.9%	-8.3%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	KS	Miami	W		590	1,739	6,610	265	94 Kansas City, M	28,351	20.8%	-1.8%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	KS	Wyandotte	W	W	156	13,598	16,877	1,838	98 Kansas City, M	157,882	-2.5%	-0.3%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	MO	Cass	W	P	702	5,184	4,170	803	98 Kansas City, M	82,092	28.7%	21.8%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	MO	Clay	W	W	409	12,442	10,122	1,981	98 Kansas City, M	184,006	19.9%	9.3%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	MO	Jackson	W	W	616	38,562	57,877	7,657	99 Kansas City, M	654,880	3.4%	0.9%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													
7	MO	Platte	W	W	427	5,120	12,643	975	97 Kansas City, M	73,781	27.5%	17.1%	
The reader is referred to the second in the series of two letters from EPA to the states reflecting EPA's recognition of flag data and requesting a modification of their July 2003 air quality designation recommendations.													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
St. Louis, MO-IL Area													
7	MO	Franklin	W	W	929	8,512	17,812	1,318	96	St. Louis, MO--I	93,807	16.4%	14.3%
On the Missouri side of the metropolitan area, the central urban core is comprised St. Louis City and St. Louis, St. Charles, Jefferson and Franklin Counties. This City and these Counties are included in the designated area. This area accounts for 78% of the VOC emission within the MSA (55% of the VOC emissions within the area) and 45% of the NOx emissions within the MSA (45% of the NOx emission within the area). This area also has the majority of the population (65%), 67% of the workforce, 76% of VMT, majority of low level point, area, and mobile source emissions.													
7	MO	Jefferson	W	W	664	11,498	16,121	2,423	98	St. Louis, MO--I	198,099	15.6%	15.0%
NAAQS violation													
7	MO	St. Charles	W	W	592	14,460	35,872	2,709	99	St. Louis, MO--I	283,883	33.3%	22.8%
NAAQS violation													
7	MO	St. Louis	W	W	524	54,376	56,742	11,596	99	St. Louis, MO--I	1,016,315	2.3%	-3.0%
NAAQS violation													
7	MO	St. Louis City	W	W	66	21,303	29,300	4,244	99	St. Louis, MO--I	348,189	-12.2%	-27.7%
NAAQS violation													
7	MO	Ste. Genevieve	W		509	2,465	6,857	400	21	St. Louis, MO--I	17,842	11.3%	4.2%
We intend to modify the State's recommendation to include St. Genevieve County with the St. Louis nonattainment area. While this county is outside of the presumptive boundary, the Agency's designation principles state that a county without a violating monitor that is contiguous to a nonattainment area and includes a large emissions source or significant emission sources, whether potential or existing sources, should be presumed to be contributing to the nonattainment area. Such a county should be designated nonattainment unless the sources have in place or are in the process of actually installing Federally enforceable emission controls, and the source or sources are not subject to a trading program. The Federally enforceable controls must be among the most stringent controls that are used on that type of source category. St. Genevieve County is adjacent to the presumptive nonattainment area. Due to potential major point source growth in the near term, NOx emissions are expected to grow by at least 10,670 tons per year. Due to predominate winds, emissions likely contribute to air quality in the St. Louis area. The submittal does not adequately address the level of control of larger sources in the county. Upon review of the current Missouri submittal relative to the 11 factors (particularly meteorology, modeling, level of control, and/or location of the sources), the EPA, Region 7 has determined that Missouri has not established a convincing position that St. Genevieve County should be excluded because of the existence of unaddressed large, potential, and existing emissions sources lacking Federally enforceable state-of-the-science emission controls that are among the most stringent used on that type of source category.													

Region 8

***Denver Metropolitan Area**

8	CO	Adams	W		1,197	21,820	30,028	3,407			363,857	37.3%	28.3%	N
8	CO	Arapahoe	W		804	24,369	15,417	3,525			487,967	24.6%	12.9%	N
8	CO	Boulder	W		750	14,681	12,226	2,058			291,288	29.3%	17.1%	Y
8	CO	Broomfield	W		34						38,272	55.3%	30.6%	
Closest monitor in Boulder Co.														
8	CO	Denver	W		155	30,878	27,965	5,139			554,636	18.6%	8.8%	N

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
8	CO	Douglas	W		842	9,081	9,484	2,051		175,766	191.0%	58.3%	N
8	CO	Elbert	W		1,849	1,474	1,261	291		19,872	106.0%	55.2%	
8	CO	Jefferson	W		777	27,120	18,691	4,449		527,056	20.2%	7.9%	Y
8	CO	Larimer	W		2,631	13,833	12,485	2,012		251,494	35.1%	20.5%	
8	CO	Morgan	W		1,292	2,275	9,235	270		27,171	23.8%	16.2%	
8	CO	Weld	W		4,017	15,371	20,125	2,129		180,936	37.3%	40.2%	N

Region 9

Chico (Butte County) Area

9	CA	Butte	P	W	1,678	13,931	10,502	1,561	91 Chico--Paradise	203,171	11.6%	27.3%	
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Coachella Valley Area

9	CA	Riverside	P	P	7,306	56,824	56,924	13,263	96 Los Angeles--Ri	1,545,387	32.0%	37.5%	
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County split in central portion by Little San Bernadino (~4,000 ft peaks) and Chocolate Mtns. (~5,000 ft peaks). Eastern portion of county to be attainment is largely uninhabited, and separated by mountains and great distances.

Eastern Kern County Area

9	CA	Kern	P	P	8,162	48,952	75,744	6,265		661,645	21.7%	30.0%	
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County split #1 (central county) coincides with both Sierra Nevada Mtns. (~4000-9000ft peaks) and Tehachapi Mtns. (~4000-7000ft peaks) County split #2 (NE county corner) excludes Indian Wells Valley. This area is separated from the rest of the county by the Sierra Nevada on the west and numerous smaller mountain ranges on the south.

Imperial County Area

9	CA	Imperial	W	W	4,484	15,415	17,072	1,443	2 Los Angeles--Riv	142,361	30.2%	55.7%	
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Phoenix-Mesa Area

9	AZ	Maricopa	P	P	9,228	128,157	135,603	23,070	99 Phoenix--Mesa,	3,072,149	44.8%	20.7%	
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Areas excluded from NAA are rural and mostly uninhabited desert expanses, far from Phoenix metro area and with little population, few sources, and no violating monitors.

9	AZ	Pinal	P		5,378	10,147	13,717	2,270	93 Phoenix--Mesa,	179,727	54.4%	11.1%	
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Areas excluded from NAA are outside Phoenix metro area. They are also outside areas planned for development and transportation upgrades associated with Phoenix growth and sprawl. These areas include rural agricultural areas and unpopulated desert. There are few sources and no violating monitors in excluded areas.

Sacramento Area

9	CA	El Dorado	P	P	1,790	11,661	6,451	1,332	88 Sacramento--Yo	156,299	24.1%	37.7%	
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County is split in the eastern portion at crest of Sierra Nevada Mtns. Only western and central portions will be nonattainment. The mountain crest of the Sierra Nevada Mtns. is approximately 7000- 10,000ft in elevation.

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
9	CA	Nevada	P	P	972	7,559	4,365	864	19 Sacramento--Yo	92,033	17.2%	30.8%	
County is split in the eastern portion at crest of Sierra Nevada Mtns. Only western and central portions will be nonattainment. The mountain crest of the Sierra Nevada Mtns. is approximately 7000- 10,000ft in elevation.													
9	CA	Placer	P	P	1,499	16,595	13,054	2,320	93 Sacramento--Yo	248,399	43.8%	31.1%	
County is split in the eastern portion at crest of Sierra Nevada Mtns. Only western and central portions will be nonattainment. The mountain crest of the Sierra Nevada Mtns. is approximately 7000- 10,000ft in elevation.													
9	CA	Sacramento	W	W	995	47,303	47,748	10,657	95 Sacramento--Yo	1,223,499	17.5%	17.4%	
9	CA	Solano	P	P	887	22,462	21,050	3,658	5 Sacramento--Yol	394,542	15.9%	21.4%	
Whole county will be nonattainment, however apportioned amongst two nonattainment areas (SF Bay Area on the west and Sacramento Metro on the east). This county is split E-W because western portions are economically and geographically tied to the SF Bay Area and eastern portions are likewise tied to Sacramento. This boundary is the same as the SF Bay Area and Sacramento Metro Air Basins as well as those of the SF Bay Area and Sacramento Metro air districts.													
9	CA	Yolo	W	W	1,021	8,787	10,643	1,577	92 Sacramento--Yo	168,660	19.5%	15.6%	
San Diego County Area													
9	CA	San Diego	W	W	4,261	121,409	103,973	25,323	96 San Diego, CA	2,813,833	12.6%	22.3%	
*San Francisco Bay Area													
9	CA	Alameda	W		751	58,627	51,811	10,256		1,443,741	12.9%	14.6%	
2003 Data													
9	CA	Contra Costa	W		759	43,928	47,127	6,579		948,816	18.1%	8.1%	
2003 Data													
9	CA	Marin	W		542	14,591	8,689	2,137		247,289	7.5%	4.6%	
2003 Data													
9	CA	Napa	W		791	7,061	5,254	852	1 Sacramento--Yol	124,279	12.2%	15.5%	
9	CA	San Francisco	W		47	26,313	29,768	2,658		776,733	7.3%	0.7%	
2003 Data													
9	CA	San Mateo	W		457	29,386	24,369	4,653		707,161	8.9%	15.3%	
2003 Data													
9	CA	Santa Clara	W		1,299	67,711	58,765	10,874		1,682,585	12.4%	20.1%	
2003 Data													

Designation Justifications

Region	State	County	EPA	State	Area	VOC	NOx	VMT	Commute	Pop 90-00	00-10	Wind	Topo
9	CA	Solano	P		887	22,462	21,050	3,658	5 Sacramento--Yol	394,542	15.9%	21.4%	
<p>Whole county will be nonattainment, however apportioned amongst two nonattainment areas (SF Bay Area on the west and Sacramento Metro on the east). This county is split E-W because western portions are economically and geographically tied to the SF Bay Area and eastern portions are likewise tied to Sacramento. This boundary is the same as the SF Bay Area and Sacramento Metro Air Basins as well as those of the SF Bay Area and Sacramento Metro air districts.</p>													
9	CA	Sonoma	P		1,590	24,228	17,629	3,223		458,614	18.1%	18.7%	
<p>County is split from north to south. Northern portion is mostly rural, mountainous (Coast Ranges). South portion is more heavily populated, urbanized and part of the SF Bay Area.</p>													

San Joaquin Valley Area

9	CA	Amador	W	W	604	4,748	3,006	353	14 Sacramento--Yo	35,100	16.8%	8.9%	
9	CA	Calaveras	W	W	1,036	5,526	2,403	422		40,554	26.7%	33.1%	
9	CA	Fresno	W	W	6,012	41,188	52,580	7,177		799,407	19.8%	19.3%	
9	CA	Kern	P	P	8,162	48,952	75,744	6,265		661,645	21.7%	30.0%	
<p>County split approximately east to west by both Sierra Nevada Mtns. (~4000-9000ft peaks) and Tehachapi Mtns. (~4000-7000ft peaks)</p>													
9	CA	Kings	W	W	1,392	8,394	10,535	1,041		129,461	27.6%	19.4%	
9	CA	Madera	W	W	2,152	8,514	12,583	1,095		123,109	39.8%	42.3%	
9	CA	Mariposa	W	W	1,462	2,943	1,136	173		17,130	19.8%	20.7%	
9	CA	Merced	W	W	1,971	11,789	15,865	2,199		210,554	18.0%	25.6%	
9	CA	San Joaquin	W	W	1,427	25,889	36,355	5,481		563,598	17.3%	28.8%	
9	CA	Stanislaus	W	W	1,513	20,712	24,995	3,949		446,997	20.6%	31.0%	
9	CA	Tulare	W	W	4,838	24,612	25,152	3,520		368,021	18.0%	27.6%	
9	CA	Tuolumne	W	W	2,273	7,200	3,870	505		54,501	12.5%	25.5%	

South Coast Air Basin (Los Angeles) Area

9	CA	Los Angeles	P	P	4,092	334,324	328,830	78,809	99 Los Angeles--Ri	9,519,338	7.4%	11.4%	
<p>County split NE-SW by San Gabriel Mtns. (with peaks over ~10,000ft)</p>													
9	CA	Orange	W	W	800	116,282	103,358	25,447	99 Los Angeles--Ri	2,846,289	18.1%	11.2%	
9	CA	Riverside	P	P	7,306	56,824	56,924	13,263	96 Los Angeles--Ri	1,545,387	32.0%	37.5%	
<p>County split north to south in west-central by San Jacinto Mtns. (with peaks ~10,000+ft). Lowest elevation at boundary approx. 2500ft near Banning Pass. East of county split is near sea level. This boundary also divides the low desert Coachella Valley and semi-arid, coastal South Coast Air Basin.</p>													
9	CA	San Bernardino	P	P	20,108	67,108	107,044	13,733	99 Los Angeles--Ri	1,709,434	20.5%	28.0%	
<p>County split in SW by San Bernadino Mtns. (with peaks ~8000-10,000ft)</p>													

Designation Justifications

<i>Region</i>	<i>State</i>	<i>County</i>	<i>EPA</i>	<i>State</i>	<i>Area</i>	<i>VOC</i>	<i>NOx</i>	<i>VMT</i>	<i>Commute</i>	<i>Pop 90-00</i>	<i>00-10</i>	<i>Wind</i>	<i>Topo</i>
<i>Ventura County Area</i>													
9	CA	Ventura	W	W	1,858	35,966	31,547	7,043		753,197	12.6%	13.5%	
(not a county split; however, this county would be split from Los Angeles CMSA, becoming a separate NAA and matching current 1-hour ozone NAA) County is separated from Los Angeles by the southern Coast Ranges including the Simi Hills and Santa Monica Mtns. near and surrounding the LA-Ventura County line.													
<i>Western Mojave Desert, CA</i>													
9	CA	Los Angeles	P		4,092	334,324	328,830	78,809	99 Los Angeles--Ri	9,519,338	7.4%	11.4%	
9	CA	San Bernardino	P		20,108	67,108	107,044	13,733	99 Los Angeles--Ri	1,709,434	20.5%	28.0%	
Northern third and eastern third of the county to be attainment. These portions of the county are sparsely populated (and mostly uninhabited), undeveloped, and consist of vast stretches of Mojave Desert with high mountains and ranges interspersed throughout.													
<i>*Yuba City Area</i>													
9	CA	Sutter	W		608	6,378	5,976	674	17 Sacramento--Yo	78,930	22.5%	27.2%	
9	CA	Yuba	W		644	4,621	4,054	453	17 Sacramento--Yo	60,219	3.4%	22.8%	