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BACKGROUND INFORMATION DOCUMENT

HYPOTHETICAL NONATTAINMENT AREAS FOR PURPOSES OF UNDERSTANDING THE EPA PROPOSED RULE FOR IMPLEMENTING THE 8-HOUR OZONE NATIONAL AMBIENT AIR QUALITY STANDARD

ILLUSTRATIVE ANALYSIS BASED ON 1998-2000 DATA

U.S. Environmental Protection Agency
Office of Air and Radiation
Office of Air Quality Planning and Standards

–DRAFT--
APRIL 2003

I. INTRODUCTION

The EPA is proposing in the Federal Register a rule to implement the 8-hour ozone national ambient air quality standard (NAAQS). The EPA is proposing this rule so that States may know which statutory requirements apply for purposes of developing State implementation plans (SIPs) under the Clean Air Act (CAA) to implement the 8-hour ozone NAAQS. The intended effect of the rule is to provide certainty to States regarding their planning obligations such that States may begin SIP development upon designation and classification of areas for the 8-hour standard.

That proposed rulemaking does not propose to establish attainment/nonattainment designations nor does it address the principles that will be considered in the designation process; EPA has already issued guidance on the principles that States should consider in making designation recommendations, and EPA will issue further guidance separate from this rulemaking if appropriate.

To evaluate the potential impact of the various classification options, EPA developed a set of 122 hypothetical nonattainment areas based on the counties that have monitors measuring violations of the 8-hour ozone standard for the 3-year period of 1998-2000.

> ***It is important to note:*** The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

This document provides the list of the hypothetical areas, with design values from 1998-2000 data, projected design values based on several modeling analyses, and possible

classifications under the several options in EPA's Federal Register notice of proposed rulemaking.

The EPA is still in the process of updating this information using 2000-2002 data and will make that information available later.

II. TABLE 1: 8-HR O3 NAAQS HYPOTHETICAL NONATTAINMENT AREAS AND ANTICIPATED CLASSIFICATIONS

This table presents the hypothetical nonattainment areas, their 1-hour and 8-hour ozone design values for 1998-2000, their current 1-hour classification/designation status, and the classifications under the proposed options for classification of nonattainment areas under the 8-hour standard.

In the notice of proposed rulemaking, EPA is proposing two options for classifying areas.

Under option 1, all areas would be classified under subpart 2 of part D, Title I of the Clean Air Act, according to 8-hour ozone levels. As a result, all areas would be classified as marginal, moderate, serious, or severe or extreme (based on the most recent air quality data, no areas would fall in the "extreme" classification), and would be subject to control requirements specified in the Act for each classification.

Under Option 2, more than half the nonattainment areas would likely be regulated under subpart 1. All of these would be areas meeting the 1-hour ozone standard. The rest of the areas--those exceeding, and a few that may be meeting the 1-hour standard--would be classified under subpart 2 in the same manner as option 1. This option relies on an 8-hour nonattainment area's 1-hour ozone design value. If the area has a 1-hour design value equal to or greater than 0.121 ppm, it would be covered under subpart 2 and be classified using the area's 8-hour design value. If the area has a 1-hour design value less than 0.121, it would be covered under subpart 1.

We are also proposing an "incentive feature" that would allow areas to qualify for a lower classification under subpart 2 than their air quality would dictate if they demonstrate they will meet the 8-hour standard by the earlier attainment date of a lower classification. For example, an area that would be classified "moderate" could qualify for a "marginal" classification by showing it will attain within 3 years after designation instead of the 6 years for a moderate area. The incentive feature would allow the area in this example to avoid the mandatory control requirements of the moderate classification. The "incentive feature" is proposed for use in conjunction with either classification option.

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TABLE 1

(1998-2000 data)

8-HR O3 NAAQS HYPOTHETICAL NONATTAINMENT AREAS AND CLASSIFICATIONS UNDER PROPOSED OPTIONS

Classifications that change under incentive feature are in italics. Column definitions at bottom of table

A	B	C	D	E	F	G	H	I
NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	w/o incentive Opt. 1	w/incentive Opt 1	w/o incentive Opt 2	w/incentive Opt 2
Adams Co, MS	0.102	0.085			Marginal	Marginal	Subpart 1	Subpart 1
Albany, GA	0.098	0.085			Marginal	Marginal	Subpart 1	Subpart 1
Allentown-Bethlehem-Easton, PA-NJ	0.119	0.097	Marginal		Moderate	Moderate	Subpart 1	Subpart 1
Altoona, PA	0.113	0.089	Marginal		Marginal	Marginal	Subpart 1	Subpart 1
Asheville, NC	0.111	0.094			Moderate	Marginal	Subpart 1	Subpart 1
Atlanta, GA	0.157	0.121	Serious		Severe-15	Severe-15	Severe-15	Severe-15
Augusta-Aiken, GA-SC	0.117	0.093			Moderate	Marginal	Subpart 1	Subpart 1
Austin-San Marcos, TX	0.110	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Baton Rouge, LA	0.135	0.096	Serious		Moderate	Moderate	Moderate	Moderate
Beaumont-Port Arthur, TX	0.121	0.087	Moderate		Marginal	Marginal	Marginal	Marginal
Bell Co, KY	0.109	0.086			Marginal	Marginal	Subpart 1	Subpart 1
Benton Harbor, MI	0.119	0.088			Marginal	Marginal	Subpart 1	Subpart 1

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NAME	1-hr DV	8-hr DV	1-hr Classification	1-hr Maintenance**	Opt. 1	Opt 1	Opt 2	Opt 2
Benzie Co, MI	0.110	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Biloxi-Gulfport-Pascagoula, MS	0.118	0.092			Moderate	Moderate	Subpart 1	Subpart 1
Birmingham, AL	0.137	0.102	Marginal		Moderate	Marginal	Moderate	Marginal
Boston-Lawrence-Worcester (E. MA), MA-NH	0.119	0.093	Serious		Moderate	Moderate	Subpart 1	Subpart 1
Bowling Green, KY	0.116	0.094		Marginal RT	Moderate	Marginal	Subpart 1	Subpart 1
Buffalo-Niagara Falls, NY	0.107	0.089	Marginal		Marginal	Marginal	Subpart 1	Subpart 1
Canton-Massillon, OH	0.110	0.091		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Cedar Co, MO	0.099	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Charleston, WV	0.121	0.090		Moderate	Marginal	Marginal	Marginal	Marginal
Charlotte-Gastonia-Rock Hill, NC-SC	0.132	0.104		Moderate	Moderate	Moderate	Moderate	Moderate

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NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	Opt. 1	Opt 1	Opt 2	Opt 2
Chattanooga, TN-GA	0.127	0.097			Moderate	Marginal	Moderate	Marginal
Chicago-Gary-Lake County, IL-IN	0.120	0.093	Severe-17		Moderate	Moderate	Subpart 1	Subpart 1
Cincinnati-Hamilton, OH-KY-IN	0.119	0.099		Moderate	Moderate	Marginal	Subpart 1	Subpart 1
Clarksville-Hopkinsville, TN-KY	0.111	0.086			Marginal	Marginal	Subpart 1	Subpart 1
Clay Co, AL	0.113	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Cleveland-Akron, OH	0.121	0.095		Moderate	Moderate	Moderate	Moderate	Moderate
Columbia, SC	0.116	0.096			Moderate	Marginal	Subpart 1	Subpart 1
Columbus, OH	0.121	0.095		Marginal	Moderate	Marginal	Moderate	Marginal
Columbus, GA-AL	0.113	0.093			Moderate	Marginal	Subpart 1	Subpart 1
Dallas-Fort Worth, TX	0.131	0.102	Serious		Moderate	Moderate	Moderate	Moderate

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NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	Opt. 1	Opt 1	Opt 2	Opt 2
Dayton-Springfield, OH	0.119	0.093		Moderate	Moderate	Marginal	Subpart 1	Subpart 1
Decatur, AL	0.102	0.086			Marginal	Marginal	Subpart 1	Subpart 1
Denver-Boulder-Greeley, CO	0.112	0.086		Sec 185A	Marginal	Marginal	Subpart 1	Subpart 1
Detroit-Ann Arbor-Flint, MI	0.123	0.089		Moderate	Marginal	Marginal	Marginal	Marginal
Erie, PA	0.113	0.090	Marginal		Marginal	Marginal	Subpart 1	Subpart 1
Evansville-Henderson, IN-KY	0.114	0.091		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Fayetteville, NC	0.117	0.093			Moderate	Marginal	Subpart 1	Subpart 1
Florence, AL	0.107	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Florence, SC	0.105	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Fort Wayne, IN	0.102	0.090			Marginal	Marginal	Subpart 1	Subpart 1
Goldsboro, NC	0.109	0.087			Marginal	Marginal	Subpart 1	Subpart 1

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NAME	1-hr DV	8-hr DV	1-hr Classification	1-hr Maintenance**	Opt. 1	Opt 1	Opt 2	Opt 2
Grand Rapids-Muskegon-Holland, MI	0.124	0.091		Moderate	Marginal	Marginal	Marginal	Marginal
Greater Connecticut, CT	0.145	0.095	Serious		Moderate	Moderate	Moderate	Moderate
Green Bay- Appleton-Oshkosh-Neenah-Door, WI	0.112	0.092	Marginal RT		Moderate	Moderate	Subpart 1	Subpart 1
Greenbrier Co, WV	0.108	0.089		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Greensboro-Winston Salem-High Point, NC	0.123	0.098		Moderate	Moderate	Marginal	Moderate	Marginal
Greenville, NC	0.110	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Greenville-Spartanburg-Anderson, SC	0.120	0.095		Marginal	Moderate	Marginal	Subpart 1	Subpart 1
Hancock & Waldo Cos, ME	0.123	0.087		Marginal	Marginal	Marginal	Marginal	Marginal
Harrisburg-Lebanon-	0.117	0.095	Marginal		Moderate	Maringal	Subpart 1	Subpart 1

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Carlisle, PA								
Hickory-Morganton-Lenoir, NC	0.114	0.092			Moderate	Marginal	Subpart 1	Subpart 1
Houma, LA	0.111	0.087	Incomplete Data		Marginal	Marginal	Subpart 1	Subpart 1
Houston-Galveston-Brazoria, TX	0.199	0.112	Severe-17		Serious	Serious	Serious	Serious
Huntington-Ashland, WV-KY-OH	0.127	0.094		Moderate	Moderate	Marginal	Moderate	Marginal
Huntsville, AL	0.111	0.091			Marginal	Marginal	Subpart 1	Subpart 1
Indianapolis, IN	0.114	0.095		Marginal	Moderate	Moderate	Subpart 1	Subpart 1
Jamestown, NY	0.107	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Janesville-Beloit, WI	0.101	0.086			Marginal	Marginal	Subpart 1	Subpart 1

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Johnson City-Kingsport-Bristol, TN-VA	0.113	0.094			Moderate	Marginal	Subpart 1	Subpart 1
Johnstown, PA	0.112	0.091	Marginal		Marginal	Marginal	Subpart 1	Subpart 1
Kansas City, MO-KS	0.122	0.089		Other	Marginal	Marginal	Marginal	Marginal
Knoxville, TN	0.138	0.104		Marginal	Moderate	Moderate	Moderate	Moderate
Lafayette, LA	0.109	0.085		Sec 185A	Marginal	Marginal	Subpart 1	Subpart 1
Lake Charles, LA	0.127	0.088		Marginal	Marginal	Marginal	Marginal	Marginal
Lancaster, PA	0.121	0.097	Marginal		Moderate	Moderate	Moderate	Moderate
Las Vegas, NV-AZ	0.106	0.085			Marginal	Marginal	Subpart 1	Subpart 1
Lee Co, MS	0.107	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Lexington, KY	0.108	0.085		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Lima, OH	0.107	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Little Rock-North Little	0.113	0.087			Marginal	Marginal	Subpart 1	Subpart 1

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Rock, AR								
Longview-Marshall, TX	0.134	0.102			Moderate	Moderate	Moderate	Moderate
Los Angeles South Coast Air Basin, CA	0.211	0.146	Extreme		Severe-17	Severe-17	Severe-17	Severe-17
Louisville, KY-IN	0.123	0.096		Moderate	Moderate	Moderate	Moderate	Moderate
Macon, GA	0.134	0.105			Moderate	Moderate	Moderate	Moderate
Mason Co, MI	0.116	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Memphis, TN-AR-MS	0.128	0.097		Marginal	Moderate	Moderate	Moderate	Moderate
Milwaukee-Racine, WI	0.126	0.093	Severe-17		Moderate	Moderate	Moderate	Moderate
Mobile, AL	0.118	0.090			Marginal	Marginal	Subpart 1	Subpart 1
Montgomery, AL	0.121	0.090			Marginal	Marginal	Marginal	Marginal
Nashville, TN	0.126	0.100		Moderate	Moderate	Moderate	Moderate	Moderate
New Orleans, LA	0.122	0.090		Sec185A	Marginal	Marginal	Marginal	Marginal

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New York-N. New Jersey-L.Island,NY-NJ-CT-PA	0.140	0.107	Severe-17		Serious	Serious	Serious	Serious
Norfolk-Virginia Beach-Newport News, VA-NC	0.115	0.089		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Owensboro, KY	0.115	0.094		Marginal	Moderate	Marginal	Subpart 1	Subpart 1
Paducah, KY	0.121	0.090		Marginal	Marginal	Marginal	Marginal	Marginal
Parkersburg-Marietta, WV-OH	0.115	0.092		Moderate	Moderate	Marginal	Subpart 1	Subpart 1
Pensacola, FL	0.118	0.094			Moderate	Moderate	Subpart 1	Subpart 1
Philadelphia-Wilmin-Atlantic Ci,PA-NJ-MD-DE	0.147	0.106	Severe-15		Moderate	Moderate	Moderate	Moderate
Phoenix-Mesa, AZ	0.114	0.087	Serious		Marginal	Marginal	Subpart 1	Subpart 1
Pittsburgh, PA	0.123	0.096		Moderate	Moderate	Moderate	Moderate	Moderate

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TABLE 1

(1998-2000 data)

8-HR O3 NAAQS HYPOTHETICAL NONATTAINMENT AREAS AND CLASSIFICATIONS UNDER PROPOSED OPTIONS

Classifications that change under incentive feature are in italics. Column definitions at bottom of table

A	B	C	D	E	F	G	H	I
NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	w/o incentive Opt. 1	w/incentive Opt 1	w/o incentive Opt 2	w/incentive Opt 2
Providence (All RI), RI	0.124	0.088	Serious		Marginal	Marginal	Marginal	Marginal
Pulaski Co, KY	0.103	0.088			Marginal	Marginal	Subpart 1	Subpart 1
Putnam Co, TN	0.106	0.091			Marginal	Marginal	Subpart 1	Subpart 1
Raleigh-Durham-Chapel Hill, NC	0.127	0.098		Moderate	Moderate	Moderate	Moderate	Moderate
Reading, PA	0.117	0.092		Moderate	Moderate	Marginal	Subpart 1	Subpart 1
Redding, CA	0.120	0.093			Moderate	Moderate	Subpart 1	Subpart 1
Richmond-Petersburg, VA	0.127	0.099		Moderate	Moderate	Moderate	Moderate	Moderate
Roanoke, VA	0.112	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Rocky Mount, NC	0.107	0.089			Marginal	Marginal	Subpart 1	Subpart 1
Sacramento Metro, CA	0.148	0.107	Severe-15-b		Serious	Serious	Serious	Serious
San Antonio, TX	0.109	0.085			Marginal	Marginal	Subpart 1	Subpart 1
San Diego, CA	0.166	0.100	Serious		Moderate	Moderate	Moderate	Moderate

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					w/o incentive	w/incentive	w/o incentive	w/incentive
NAME	1-hr DV	8-hr DV	1-hr Classification	1-hr Maintenance**	Opt. 1	Opt 1	Opt 2	Opt 2
San Francisco Bay Area, CA	0.139	0.086	Other		Marginal	Marginal	Marginal	Marginal
San Joaquin Valley, CA	0.161	0.111	Serious		Serious	Serious	Serious	Serious
Scranton-Wilkes-Barre-Hazleton, PA	0.113	0.097	Marginal		Moderate	Moderate	Subpart 1	Subpart 1
Sheboygan, WI	0.130	0.092		Moderate	Moderate	Moderate	Moderate	Moderate
Shreveport-Bossier City, LA	0.114	0.091			Marginal	Marginal	Subpart 1	Subpart 1
South Bend-Elkhart, IN	0.114	0.086		Marginal	Marginal	Marginal	Subpart 1	Subpart 1
Southeast Desert Modified AQMA, CA	0.164	0.113	Severe-17		Serious	Serious	Serious	Serious
Springfield (Western MA), MA	0.116	0.087	Serious		Marginal	Marginal	Subpart 1	Subpart 1
St Louis, MO-IL	0.127	0.094	Moderate		Moderate	Moderate	Moderate	Moderate
Tampa-St. Petersburg-	0.117	0.086		Marginal	Marginal	Marginal	Subpart 1	Subpart 1

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A	B	C	D	E	F	G	H	I
					w/o incentive	w/incentive	w/o incentive	w/incentive
NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	Opt. 1	Opt 1	Opt 2	Opt 2
Clearwater, FL								
Toledo, OH	0.106	0.085		Moderate	Marginal	Marginal	Subpart 1	Subpart 1
Tulsa, OK	0.114	0.093			Moderate	Marginal	Subpart 1	Subpart 1
Tyler, TX	0.113	0.091			Marginal	Marginal	Subpart 1	Subpart 1
Ventura Co, CA	0.132	0.105	Severe15		Moderate	Moderate	Moderate	Moderate
Washington-Baltimore, DC-MD-VA-WV	0.145	0.107	Serious		Serious	Serious	Serious	Serious
York, PA	0.114	0.093	Marginal		Moderate	Marginal	Subpart 1	Subpart 1
Youngstown-Warren-Sharon, PA-OH	0.117	0.092	Marginal		Moderate	Marginal	Subpart 1	Subpart 1
Yuba City, CA	0.116	0.089	Sec185A		Marginal	Marginal	Subpart 1	Subpart 1

* Current 1-hr O3 NA classification (blank if maintenance or never attainment)
** Entry indicates area is maintenance area with its former NA classification

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Classifications that change under incentive feature are in italics. Column definitions at bottom of table

A	B	C	D	E	F	G	H	I
					w/o incentive	w/incentive	w/o incentive	w/incentive
NAME	1-hr DV	8-hr DV	1-hr Classifi-cation	1-hr Mainte-nance**	Opt. 1	Opt 1	Opt 2	Opt 2

Column	Definition
A	Name of hypothetical 8-hr O3 nonattainment area
B	1-hr O3 design value for 1998-2000 (ppm O3)
C	8-hr O3 design value for 1998-2000 (ppm O3)
D	Area's current classification if nonattainment under 1-hr O3 NAAQS (blank if maintenance or never attainment)
E	No entry means either the area is nonattainment (see col. D) or is attainment and has never been nonattainment. Entry indicates area is designated attainment and has a maintenance plan--the entry is the area's former classification
F	Area's 8-hr classification under proposed classification option 1 without the incentive feature
G	Area's 8-hr classification under proposed classification option 1 with the incentive feature
H	Area's 8-hr classification under proposed classification option 2 without the incentive feature
I	Area's 8-hr classification under proposed classification option 2 with the incentive feature

NOTE: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

III. TABLE 2: PROJECTED 8-HOUR OZONE DESIGN VALUES

Table 2 presents the modeled projected 8-hour ozone design values used to estimate which areas would attain by certain dates. The references below the table provide the source of information for the projections.

It should be noted that the projections for 2007 account for the NOx SIP call reductions in a way that is different from the final version of the NOx SIP call. Subsequent modeling may yield different results for 2007. Also, the projections for 2007 were based on reductions from ozone design values from the 3 year period 1997-1999, not 1998-2000.

Also, the projections for 2010 and 2020 (base case and with Clear Skies Act controls) were based on reductions from ozone design values from the 3 year period 1997-1999, not 1998-2000. In addition, subsequent modeling may yield different results.

As noted above, this set of hypothetical areas and the projections DO NOT have any implications for the location, for the number or boundaries of nonattainment areas that may ultimately be evaluated and recommended by States and Tribes or designated by EPA. Furthermore, they do not have implications for final analyses necessary for attainment demonstrations.

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

TABLE 2
PROJECTED 8-HOUR OZONE DESIGN VALUES

				BOLD = projected violation of 8-hr O3 NAAQS & design value							
A	B	C	D	E	F	G	H	I	J	K	L
NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
Adams Co, MS	0.102	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.074	0.071	0.069	0.067	0.063
Albany, GA	0.098	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.071	0.073	0.065	0.068	0.058
Allentown-Bethlehem-Easton, PA-NJ	0.119	0.097	Moderate	Moderate	Subpart 1	Subpart 1	**0.089**	**0.088**	**0.087**	0.082	0.081
Altoona, PA	0.113	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.080	0.076	0.076	0.071	0.070
Asheville, NC	0.111	0.094	Moderate	*Marginal*	Subpart 1	Subpart 1	0.077	0.075	0.073	0.067	0.064
Atlanta, GA	0.157	0.121	Severe-15	Severe-15	Severe-15	Severe-15	**0.106**	**0.105**	**0.101**	**0.097**	**0.091**
Augusta-Aiken, GA-SC	0.117	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.078	0.078	0.076	0.072	0.069

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

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NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
Austin-San Marcos, TX	0.110	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.081	0.077	0.076	0.073	0.070
Baton Rouge, LA	0.135	0.096	Moderate	Moderate	Moderate	Moderate	**0.088**	0.084	0.083	0.081	0.078
Beaumont-Port Arthur, TX	0.121	0.087	Marginal	Marginal	Marginal	Marginal	**0.085**	0.081	0.081	0.079	0.078
Bell Co, KY	0.109	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.063	0.062	0.061	0.056	0.054
Benton Harbor, MI	0.119	0.088	Marginal	Marginal	Subpart 1	Subpart 1	**0.086**	0.083	0.082	0.079	0.076
Benzie Co, MI	0.110	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.080	0.080	0.078	0.076	0.072
Biloxi-Gulfport-Pascagoula, MS	0.118	0.092	Moderate	Moderate	Subpart 1	Subpart 1	**0.087**	**0.086**	0.078	0.082	0.073

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NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
Birmingham, AL	0.137	0.102	Moderate	*Marginal*	Moderate	*Marginal*	0.083	0.080	0.075	0.069	0.065
Boston-Lawrence-Worcester (E. MA), MA-NH	0.119	0.093	Moderate	Moderate	Subpart 1	Subpart 1	**0.090**	**0.085**	0.084	0.082	0.081
Bowling Green, KY	0.116	0.094	Moderate	*Marginal*	Subpart 1	Subpart 1	0.077	0.069	0.068	0.064	0.062
Buffalo-Niagara Falls, NY	0.107	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.077	0.077	0.076	0.074	0.072
Canton-Massillon, OH	0.110	0.091	Marginal	Marginal	Subpart 1	Subpart 1	0.079	0.077	0.077	0.072	0.070
Cedar Co, MO	0.099	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.078	0.000	0.000	0.000	0.000
Charleston, WV	0.121	0.090	Marginal	Marginal	Marginal	Marginal	0.077	0.071	0.070	0.066	0.065

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Charlotte-Gastonia-Rock Hill, NC-SC	0.132	0.104	Moderate	Moderate	Moderate	Moderate	**0.089**	**0.086**	**0.085**	0.078	0.075
Chattanooga, TN-GA	0.127	0.097	Moderate	*Marginal*	Moderate	*Marginal*	0.079	0.078	0.074	0.071	0.065
Chicago-Gary-Lake County, IL-IN	0.120	0.093	Moderate	Moderate	Subpart 1	Subpart 1	**0.087**	**0.087**	**0.086**	**0.089**	**0.087**
Cincinnati-Hamilton, OH-KY-IN	0.119	0.099	Moderate	*Marginal*	Subpart 1	Subpart 1	0.084	0.079	0.078	0.073	0.072
Clarksville-Hopkinsville, TN-KY	0.111	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.066	0.061	0.059	0.056	0.054
Clay Co, AL	0.113	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.072	0.075	0.064	0.069	0.057

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Cleveland-Akron, OH	0.121	0.095	Moderate	Moderate	Moderate	Moderate	**0.089**	**0.086**	**0.085**	0.083	0.080
Columbia, SC	0.116	0.096	Moderate	*Marginal*	Subpart 1	Subpart 1	0.079	0.076	0.074	0.067	0.065
Columbus, GA-AL	0.113	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.077	0.078	0.070	0.071	0.061
Columbus, OH	0.121	0.095	Moderate	*Marginal*	Moderate	*Marginal*	0.084	0.082	0.081	0.076	0.075
Dallas-Fort Worth, TX	0.131	0.102	Moderate	Moderate	Moderate	Moderate	**0.095**	**0.089**	**0.088**	0.084	0.081
Dayton-Springfield, OH	0.119	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.082	0.078	0.077	0.072	0.071
Decatur, AL	0.102	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.000	0.069	0.066	0.064	0.060

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A	B	C	D	E	F	G	H	I	J	K	L
NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
Denver-Boulder-Greeley, CO	0.112	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.000	0.000	0.000	0.000	0.000
Detroit-Ann Arbor-Flint, MI	0.123	0.089	Marginal	Marginal	Marginal	Marginal	**0.089**	**0.088**	**0.087**	**0.089**	**0.087**
Erie, PA	0.113	0.090	Marginal	Marginal	Subpart 1	Subpart 1	0.083	0.081	0.080	0.077	0.074
Evansville-Henderson, IN-KY	0.114	0.091	Marginal	Marginal	Subpart 1	Subpart 1	0.082	0.078	0.074	0.071	0.068
Fayetteville, NC	0.117	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.079	0.075	0.074	0.068	0.065
Florence, AL	0.107	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.069	0.067	0.064	0.062	0.059
Florence, SC	0.105	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.077	0.073	0.072	0.068	0.065

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Fort Wayne, IN	0.102	0.090	Marginal	Marginal	Subpart 1	Subpart 1	0.078	0.075	0.074	0.070	0.068
Goldsboro, NC	0.109	0.087	Marginal	Marginal	Subpart 1	Subpart 1	0.077	0.070	0.068	0.064	0.061
Grand Rapids-Muskegon-Holland, MI	0.124	0.091	Marginal	Marginal	Marginal	Marginal	**0.086**	0.083	0.082	0.080	0.077
Greater Connecticut, CT	0.145	0.095	Moderate	Moderate	Moderate	Moderate	**0.091**	**0.091**	**0.091**	**0.088**	**0.087**
Green Bay- Appleton-Oshkosh-Neenah-Door, WI	0.112	0.092	Moderate	Moderate	Subpart 1	Subpart 1	**0.088**	**0.087**	**0.085**	0.083	0.078
Greenbrier Co, WV	0.108	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.065	0.064	0.063	0.060	0.058
Greensboro-Winston	0.123	0.098	Moderat	*Marginal*	Moderat	*Marginal*	0.082	0.079	0.077	0.070	0.068

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Salem-High Point, NC			e		e						
Greenville, NC	0.110	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.080	0.077	0.076	0.070	0.068
Greenville-Spartanburg-Anderson, SC	0.120	0.095	Moderate	*Marginal*	Subpart 1	Subpart 1	0.080	0.079	0.077	0.071	0.069
Hancock & Waldo Cos, ME	0.123	0.087	Marginal	Marginal	Marginal	Marginal	0.080	0.076	0.076	0.070	0.069
Harrisburg-Lebanon-Carlisle, PA	0.117	0.095	Moderate	*Maringal*	Subpart 1	Subpart 1	0.083	0.083	0.081	0.077	0.072
Hickory-Morganton-Lenoir, NC	0.114	0.092	Moderate	*Marginal*	Subpart 1	Subpart 1	0.074	0.072	0.070	0.065	0.062
Houma, LA	0.111	0.087	Marginal	Marginal	Subpart 1	Subpart 1	0.081	0.079	0.078	0.077	0.075
Houston-Galveston-	0.199	0.112	Serious	Serious	Serious	Serious	**0.112**	**0.110**	**0.109**	**0.110**	**0.108**

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Brazoria, TX											
Huntington-Ashland, WV-KY-OH	0.127	0.094	Moderate	*Marginal*	Moderate	*Marginal*	0.081	0.076	0.075	0.072	0.071
Huntsville, AL	0.111	0.091	Marginal	Marginal	Subpart 1	Subpart 1	0.078	0.075	0.073	0.069	0.065
Indianapolis, IN	0.114	0.095	Moderate	Moderate	Subpart 1	Subpart 1	**0.086**	0.083	0.082	0.078	0.075
Jamestown, NY	0.107	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.079	0.077	0.077	0.074	0.071
Janesville-Beloit, WI	0.101	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.078	0.077	0.075	0.072	0.069
Johnson City-Kingsport-Bristol, TN-VA	0.113	0.094	Moderate	*Marginal*	Subpart 1	Subpart 1	0.076	0.070	0.069	0.064	0.063
Johnstown, PA	0.112	0.091	Marginal	Marginal	Subpart	Subpart	0.081	0.077	0.077	0.073	0.071

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					1	1					
Kansas City, MO-KS	0.122	0.089	Marginal	Marginal	Marginal	Marginal	0.084	0.082	0.078	0.079	0.071
Knoxville, TN	0.138	0.104	Moderate	Moderate	Moderate	Moderate	**0.087**	0.083	0.082	0.075	0.074
Lafayette, LA	0.109	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.076	0.075	0.073	0.071	0.069
Lake Charles, LA	0.127	0.088	Marginal	Marginal	Marginal	Marginal	**0.085**	0.081	0.081	0.079	0.077
Lancaster, PA	0.121	0.097	Moderate	Moderate	Moderate	Moderate	0.090	0.087	0.086	0.080	0.078
Las Vegas, NV-AZ	0.106	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.000	0.000	0.000	0.000	0.000
Lee Co, MS	0.107	0.088	Marginal	Marginal	Subpart	Subpart	0.072	0.070	0.067	0.064	0.061

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					1	1					
Lexington, KY	0.108	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.075	0.071	0.071	0.067	0.065
Lima, OH	0.107	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.078	0.075	0.075	0.071	0.069
Little Rock-North Little Rock, AR	0.113	0.087	Marginal	Marginal	Subpart 1	Subpart 1	0.074	0.072	0.067	0.067	0.058
Longview-Marshall, TX	0.134	0.102	Moderate	Moderate	Moderate	Moderate	**0.092**	0.081	0.080	0.077	0.073
Los Angeles South Coast Air Basin, CA	0.211	0.146	Severe-17	Severe-17	Severe-17	Severe-17	0.000	**0.127**	**0.127**	**0.114**	**0.114**
Louisville, KY-IN	0.123	0.096	Moderate	Moderate	Moderate	Moderate	**0.085**	0.079	0.078	0.076	0.074
Macon, GA	0.134	0.105	Moderat	Moderat	Moderat	Moderat	**0.088**	**0.095**	0.075	0.090	0.067

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			e	e	e	e					
Mason Co, MI	0.116	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.084	0.082	0.080	0.078	0.074
Memphis, TN-AR-MS	0.128	0.097	Moderate	Moderate	Moderate	Moderate	**0.087**	**0.085**	0.084	0.084	0.081
Milwaukee-Racine, WI	0.126	0.093	Moderate	Moderate	Moderate	Moderate	**0.089**	**0.087**	**0.086**	**0.087**	**0.085**
Mobile, AL	0.118	0.090	Marginal	Marginal	Subpart 1	Subpart 1	0.080	0.076	0.070	0.071	0.065
Montgomery, AL	0.121	0.090	Marginal	Marginal	Marginal	Marginal	0.074	0.071	0.068	0.066	0.062
Nashville, TN	0.126	0.100	Moderate	Moderate	Moderate	Moderate	**0.089**	0.084	0.083	0.078	0.075
New Orleans, LA	0.122	0.090	Marginal	Marginal	Marginal	Marginal	0.080	0.079	0.077	0.077	0.075

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New York-N. New Jersey-L.Island,NY-NJ-CT-PA	0.140	0.107	Serious	Serious	Serious	Serious	**0.098**	**0.098**	**0.098**	**0.097**	**0.096**
Norfolk-Virginia Beach-Newport News, VA-NC	0.115	0.089	Marginal	Marginal	Subpart 1	Subpart 1	**0.085**	0.082	0.082	0.078	0.077
Owensboro, KY	0.115	0.094	Moderate	*Marginal*	Subpart 1	Subpart 1	0.077	0.074	0.068	0.066	0.063
Paducah, KY	0.121	0.090	Marginal	Marginal	Marginal	Marginal	0.079	0.077	0.076	0.073	0.070
Parkersburg-Marietta, WV-OH	0.115	0.092	Moderate	*Marginal*	Subpart 1	Subpart 1	0.075	0.067	0.066	0.063	0.061
Pensacola, FL	0.118	0.094	Moderate	Moderate	Subpart 1	Subpart 1	**0.088**	0.082	0.073	0.077	0.067

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Philadelphia-Wilmin-Atlantic Ci,PA-NJ-MD-DE	0.147	0.106	Moderate	Moderate	Moderate	Moderate	**0.097**	**0.096**	**0.096**	**0.093**	**0.092**
Phoenix-Mesa, AZ	0.114	0.087	Marginal	Marginal	Subpart 1	Subpart 1	0.000	**0.085**	0.084	0.081	0.080
Pittsburgh, PA	0.123	0.096	Moderate	Moderate	Moderate	Moderate	**0.091**	**0.087**	**0.087**	0.082	0.080
Providence (All RI), RI	0.124	0.088	Marginal	Marginal	Marginal	Marginal	0.083	0.082	0.082	0.078	0.077
Pulaski Co, KY	0.103	0.088	Marginal	Marginal	Subpart 1	Subpart 1	0.068	0.067	0.066	0.062	0.058
Putnam Co, TN	0.106	0.091	Marginal	Marginal	Subpart 1	Subpart 1	0.071	0.070	0.067	0.064	0.060
Raleigh-Durham-Chapel	0.127	0.098	Moderat	Moderat	Moderat	Moderat	**0.089**	**0.085**	0.084	0.076	0.074

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Hill, NC			e	e	e	e					
Reading, PA	0.117	0.092	Moderate	*Marginal*	Subpart 1	Subpart 1	0.084	0.083	0.082	0.076	0.074
Redding, CA	0.120	0.093	Moderate	Moderate	Subpart 1	Subpart 1	0.000	0.082	0.082	0.074	0.074
Richmond-Petersburg, VA	0.127	0.099	Moderate	Moderate	Moderate	Moderate	**0.085**	0.083	0.082	0.077	0.075
Roanoke, VA	0.112	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.074	0.071	0.071	0.065	0.064
Rocky Mount, NC	0.107	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.077	0.075	0.074	0.069	0.066
Sacramento Metro, CA	0.148	0.107	Serious	Serious	Serious	Serious	0.000	**0.089**	**0.089**	0.080	0.080
San Antonio, TX	0.109	0.085	Marginal	Marginal	Subpart	Subpart	0.000	0.000	0.000	0.000	0.000

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NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
					1	1					
San Diego, CA	0.166	0.100	Moderate	Moderate	Moderate	Moderate	0.000	**0.086**	**0.086**	0.077	0.077
San Francisco Bay Area, CA	0.139	0.086	Marginal	Marginal	Marginal	Marginal	0.000	0.073	0.073	0.066	0.066
San Joaquin Valley, CA	0.161	0.111	Serious	Serious	Serious	Serious	0.000	**0.098**	**0.098**	**0.088**	**0.088**
Scranton-Wilkes-Barre-Hazleton, PA	0.113	0.097	Moderate	Moderate	Subpart 1	Subpart 1	**0.089**	0.084	0.084	0.079	0.078
Sheboygan, WI	0.130	0.092	Moderate	Moderate	Moderate	Moderate	**0.088**	**0.087**	**0.085**	0.083	0.078
Shreveport-Bossier City, LA	0.114	0.091	Marginal	Marginal	Subpart 1	Subpart 1	0.081	0.077	0.075	0.074	0.070
South Bend-Elkhart, IN	0.114	0.086	Marginal	Marginal	Subpart	Subpart	0.080	0.077	0.076	0.073	0.070

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

TABLE 2
PROJECTED 8-HOUR OZONE DESIGN VALUES

				BOLD = projected violation of 8-hr O3 NAAQS & design value							
A	B	C	D	E	F	G	H	I	J	K	L
NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
					1	1					
Southeast Desert Modified AQMA, CA	0.164	0.113	Serious	Serious	Serious	Serious	**0.000**	**0.107**	**0.107**	**0.096**	**0.096**
Springfield (Western MA), MA	0.116	0.087	Marginal	Marginal	Subpart 1	Subpart 1	**0.091**	**0.088**	**0.088**	0.084	0.083
St Louis, MO-IL	0.127	0.094	Moderate	Moderate	Moderate	Moderate	**0.085**	0.084	0.082	0.080	0.076
Tampa-St. Petersburg-Clearwater, FL	0.117	0.086	Marginal	Marginal	Subpart 1	Subpart 1	0.082	0.076	0.073	0.070	0.067
Toledo, OH	0.106	0.085	Marginal	Marginal	Subpart 1	Subpart 1	0.080	0.075	0.074	0.072	0.071
Tulsa, OK	0.114	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.082	0.080	0.073	0.076	0.068
Tyler, TX	0.113	0.091	Marginal	Marginal	Subpart	Subpart	0.084	0.075	0.074	0.071	0.066

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

TABLE 2
PROJECTED 8-HOUR OZONE DESIGN VALUES

				BOLD = projected violation of 8-hr O3 NAAQS & design value							
A	B	C	D	E	F	G	H	I	J	K	L
NAME	1998-2000 1-hr DV	1998-2000 8-hr DV	Opt. 1--w/o inc	Opt 1--w/inc	Opt 2 --w/o inc	Opt 2--w/inc	2007*** 8-hr DV	base10*** 8-hr DV	cs 2010*** 8-hr DV	base20*** 8-hr DV	cs 2020*** 8-hr DV
					1	1					
Ventura Co, CA	0.132	0.105	Moderate	Moderate	Moderate	Moderate	0.000	0.092	0.092	0.082	0.082
Washington-Baltimore, DC-MD-VA-WV	0.145	0.107	Serious	Serious	Serious	Serious	**0.096**	**0.094**	**0.094**	**0.088**	**0.086**
York, PA	0.114	0.093	Moderate	*Marginal*	Subpart 1	Subpart 1	0.083	0.080	0.080	0.074	0.072
Youngstown-Warren-Sharon, PA-OH	0.117	0.092	Moderate	*Marginal*	Subpart 1	Subpart 1	0.082	0.081	0.080	0.075	0.073
Yuba City, CA	0.116	0.089	Marginal	Marginal	Subpart 1	Subpart 1	0.000	0.077	0.077	0.069	0.069

*** A zero entry indicates that the area was not modeled or no projection was available

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

COL	DEFINITION
A	Name of hypothetical 8-hr O3 nonattainment area
B	1-hr O3 design value for 1998-2000 (ppm O3)
C	8-hr O3 design value for 1998-2000 (ppm O3)
D	Area's 8-hr classification under proposed classification option 1 without the incentive feature
E	Area's 8-hr classification under proposed classification option 1 with the incentive feature
F	Area's 8-hr classification under proposed classification option 2 without the incentive feature
G	Area's 8-hr classification under proposed classification option 2 with the incentive feature
H	8-hr O3 design value projected to 2007
I	8-hr design value projected tp 2010–base case without Clear Skies Act controls
J	8-hr design value projected to 2010–with Clear Skies Act Controls
K	8-hr design value projected to 2020–based case without Clear Skies Act controls
L	8-hr design value projected to 2020–with Clear Skies Act Controls

* REFERENCES:

Modeling analyses for projections to 2007 are found in: U.S. Environmental Protection Agency, Office of Air and Radiation, Technical Support Document for the Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements: Air Quality Modeling Analyses. EPA420-R-00-028. December 2000. Located at: http://www.epa.gov/otaq/regs/hd2007/frm/r00028.pdf.

Information on the modeling analyses for projections to 2010 and 2020 are found in "Technical Addendum: Methodologies for the Benefit Analysis of the Clear Skies Initiative." September 2002. This can be found at the following web site: http://www.epa.gov/clearskies/Tech_adden.PDF. Results are summarized in "Human Health and Environmental Benefits Achieved by the Clear Skies Initiative." July 1, 2002. http://www.epa.gov/clearskies/CSIhealth_env_benefits7-01.ppt .

IV. TABLE 3: AREAS CURRENTLY DESIGNATED NONATTAINMENT FOR THE 1-HOUR STANDARD THAT WOULD LIKELY BE DESIGNATED ATTAINMENT UNDER THE 8-HOUR STANDARD BASED ON 1998-2000 DATA.

Table 3 presents areas currently designated nonattainment for the 1-hour standard that would likely be designated attainment under the 8-hour standard. This table is based on data from 1998-2000. Many of these areas are generally not violating the 1-hour standard, but have not been designated attainment for the 1-hour standard.

Note: The EPA's inclusion and grouping of counties into hypothetical nonattainment areas for purposes of the proposed implementation rule was done solely for the purpose of analyzing and illustrating how the various implementation options might apply to areas designated nonattainment for the 8-hour NAAQS. The creation of this set of hypothetical nonattainment areas, while based on actual air quality data from 1998-2000, is not intended to pre-judge the designation process that will occur over the next 9 months and that will be based on more recent air quality data from 2000-2002 or from 2001-2003, if available. Thus, State recommendations this summer and the final designations by EPA in April 2004, may include as nonattainment areas not on this list. Similarly, States may recommend and EPA may designate as attainment areas that are on this list. In addition, boundaries of nonattainment areas could be different than as defined in this list of hypothetical areas. Finally, this list does not account for areas that may receive treatment as Early Action Compact areas. This list should not be construed as a proposal by EPA of areas that should be designated nonattainment. Nor should States rely on this list when considering what recommendations to make regarding designations and boundaries for areas. Furthermore, States cannot not rely solely on the projections of future attainment contained or implied herein for final analyses necessary for attainment demonstrations in SIPs.

TABLE 3 **AREAS CURRENTLY DESIGNATED NONATTAINMENT FOR THE 1-HOUR STANDARD THAT ARE ESTIMATED TO BE DESIGNATED ATTAINMENT UNDER THE 8-HOUR STANDARD BASED ON 1998-2000 DATA**
Smyth Co, VA (White Top Mtn) (Marginal RT)
Snyder Co, PA (Incomplete Data)
Cheshire Co, NH (Incomplete Data)
Chico, CA (Section 185A)
El Paso, TX (Serious)
Essex Co, NY (Marginal RT)
Jefferson Co, NY (Marginal*)
Juniata Co, PA (Incomplete Data)
Manchester, NH (Marginal)
Portland, ME (Moderate)
Portsmouth-Dover-Rochester, NH (Serious)
Reno, NV (Marginal)
Salem, OR (Incomplete Data)
Sunland Park, NM (New Area 1995) (Marginal)
Susquehanna Co, PA (Incomplete Data)
Warren Co, PA (Incomplete Data)
Wayne Co, PA (Incomplete Data)
Lawrence Co, PA (Incomplete Data)
Lewiston-Auburn, ME (Moderate*)
Santa Barbara-Santa Maria-Lompoc, CA (Serious)