

1 UNITED STATES COURT OF APPEALS
2 FOR THE SECOND CIRCUIT
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5 _____
6 August Term, 2003
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8 (Argued November 6, 2003 Decided May 19, 2004)
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10 Docket No. 02-4107
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13 ENVIRONMENTAL DEFENSE,
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15 Petitioner,
16

17 v.
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19 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY,
20 CHRISTINE TODD WHITMAN, Administrator,
21 U.S. Environmental Protection Agency,
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23 Respondents,
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25 STATE OF NEW YORK,
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27 Intervenor.
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32 Before:

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34 CARDAMONE, SOTOMAYOR, and KATZMANN,
35 Circuit Judges.
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38 Petitioner Environmental Defense appeals from an action
39 taken by the U.S. Environmental Protection Agency, which on
40 February 4, 2002, issued a final rule approving the Intervenor
41 New York State's plan for attaining national air quality
42 standards for ozone by the applicable attainment date.
43 Petitioner challenges the agency's action on a number of grounds
44 none of which is sufficient to overturn the administrative
45 ruling.
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47 Petition denied.
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DAVID S. BARON, Earthjustice, Washington, D.C., for Petitioner Environmental Defense.

PAMELA S. TONGLAO, U.S. Department of Justice, Washington, D.C. (Thomas L. Sansonetti, Assistant Attorney General, U.S. Department of Justice, Environment and Natural Resources Division, Environmental Defense Section, Washington, D.C.; Howard J. Hoffman, Jan Tierney, U.S. Environmental Protection Agency, Office of General Counsel, Washington, D.C., of counsel), for Respondent U.S. Environmental Protection Agency.

GORDON J. JOHNSON, Deputy Bureau Chief, New York, New York (Eliot Spitzer, Attorney General of the State of New York, Marion R. Buchbinder, Deputy Solicitor General, New York State Department of Law, Environmental Protection Bureau, New York, New York, of counsel), for Intervenor State of New York.

1 CARDAMONE, Circuit Judge:

2 This case concerns the air we breathe. All people
3 rightfully believe that they are entitled to nothing less than
4 the common liberty of smogless air. On this appeal, we review
5 the New York metropolitan area's efforts towards that goal.

6 To put this case in context, and drawing on legislative
7 history, we essay a very brief summary of what the legislative
8 and the executive branches of government have aimed to accomplish
9 since 1963 when Congress enacted the Clean Air Act, the first
10 modern environmental law. Testimony in 1965 before legislative
11 committees revealed worsening air pollution problems resulting
12 from motor vehicles and stationary sources burning sulfur-bearing
13 fuels. See S. Rep. No. 101-228, at 1 (1990), reprinted in 1990
14 U.S.C.C.A.N. 3385, 3387. The consequential health problems to
15 America are serious and pervasive because we have no choice but
16 to breathe the air around us regardless of whether it is clean or
17 polluted. S. Rep. No. 101-228, at 3.

18 In 1989 over half the U.S. population was breathing air
19 considered unhealthful by medical researchers despite the 1977
20 amendments to the Clear Air Act. Id. So the 1963 Act was
21 amended again in 1990, with the goal of enhancing the quality of
22 our nation's air resources. The statute enumerates six criteria
23 pollutants for which the Environmental Protection Agency must
24 establish ambient air quality standards that limit the maximum
25 concentration of each pollutant to the level that protects the
26 public health. The six criteria pollutants are: ozone, lead,

1 sulfur dioxide, particulates, nitrogen dioxide, and carbon
2 monoxide. We deal on this appeal with ozone.

3 Before us is a petition to review final action taken by the
4 United States Environmental Protection Agency (EPA or agency).
5 On February 4, 2002 the agency approved a revision to New York's
6 State Implementation Plan (state plan or plan) which demonstrated
7 the state's ability to meet required air quality standards for
8 ozone pollution by the applicable attainment date. See Approval
9 and Promulgation of Implementation Plans, New York, 67 Fed. Reg.
10 5170 (Feb. 4, 2002) (codified at 40 C.F.R. § 52.1683 (2003)).
11 Petitioner Environmental Defense (petitioner) challenges several
12 provisions of the state plan as being in contravention of the
13 Clean Air Act and EPA regulations.

14 BACKGROUND

15 A. The Statutory Framework

16 The Clean Air Act (Act), 42 U.S.C. §§ 7401 et seq. (2000),
17 establishes a comprehensive regulatory scheme designed to promote
18 public health by enhancing the nation's air quality. See
19 § 7401(b)(1). The Act charges EPA with identifying air
20 pollutants and with establishing National Ambient Air Quality
21 Standards (air quality standards) that specify the maximum
22 permissible concentrations of those pollutants in the ambient
23 air. Id. §§ 7408-09. EPA has promulgated air quality standards
24 for various pollutants, including ozone. 40 C.F.R. § 50.9(a).

25 Although this federal agency is responsible for promulgating
26 air quality standards, the primary responsibility for meeting

1 these standards rests with the states. 42 U.S.C. § 7407(a). The
2 Act requires each state to discharge that responsibility by
3 formulating a plan -- to be approved by EPA after reasonable
4 notice and opportunity for comment -- which demonstrates a
5 state's ability to attain and maintain the required level of air
6 quality in each control region within the state. § 7410.

7 A state plan under the Clean Air Act must contain
8 enforceable pollution control measures with defined timetables
9 for compliance, as well as a program to implement and enforce
10 those measures. § 7410(a)(2). The Act lists additional detailed
11 requirements to limit emissions and assure that the state has
12 adequate resources and authority to carry out its plan. Id. Air
13 quality control regions that are classified as ozone
14 nonattainment areas are subject to several additional
15 requirements, such as enhanced monitoring and an attainment
16 demonstration. §§ 7511, 7511a. Despite the requirements of the
17 Act, states have considerable leeway in selecting the particular
18 methods and programs they will use to achieve compliance with the
19 national standards. See Union Elec. Co. v. EPA, 427 U.S. 246,
20 266 (1976) ("So long as the national standards are met, the State
21 may select whatever mix of control devices it desires . . .").

22 EPA identifies areas, known as air quality control regions,
23 that exceed the standards for a particular pollutant and
24 categorizes those regions as "nonattainment" areas. 42 U.S.C.
25 § 7407(d). Ozone nonattainment areas are further classified as
26 marginal, moderate, serious, severe, or extreme, depending on the

1 extent of the ozone problem. § 7511(a). The greater New York
2 City metropolitan area, which includes portions of New York,
3 Connecticut, and New Jersey,¹ is an air quality control region
4 and has been labeled since 1990 as a severe ozone nonattainment
5 area due to its high levels of ozone. 40 C.F.R. § 81.333. The
6 plan at issue in this litigation is New York's plan for that
7 portion of the air quality control region that is within the
8 state of New York.

9 Several of the Act's provisions are central to this
10 petition. First, each plan for a severe ozone nonattainment area
11 must contain an "attainment demonstration" by which a state
12 demonstrates that it will achieve the air quality standards by
13 the applicable attainment date. 42 U.S.C. § 7511a(c)(2)(A), (d).
14 This demonstration "must be based on photochemical grid modeling
15 or any other analytical method determined by the Administrator,
16 in the Administrator's discretion, to be at least as effective."
17 § 7511a(c)(2)(A).

18 Photochemical grid modeling is a sophisticated computerized
19 method of predicting what ozone levels will be in the future.
20 The model creates a three-dimensional grid over the entire
21 control region and analyzes how emissions from various sources

¹ The three states jointly conducted some modeling and analyses, but each state submitted a separate plan and EPA approved each state's plan individually. See Approval and Promulgation of Air Quality Implementation Plans, Connecticut, 66 Fed. Reg. 63,921 (Dec. 11, 2001) (codified at 40 C.F.R. § 52.377); Approval and Promulgation of Implementation Plans, New Jersey, 67 Fed. Reg. 5152 (Feb. 4, 2002) (codified at 40 C.F.R. § 52.1582). Only New York's plan has been challenged.

1 combine in the atmosphere to create pollutants such as ozone.
2 Photochemical reactions can produce ozone when oxides of nitrogen
3 (NOx) and volatile organic compounds (VOCs) are released into the
4 air and combine with sunlight. See 40 C.F.R. pt. 58 app. D.
5 § 2.5. Ozone production is affected by a variety of factors such
6 as temperature, wind, and emissions levels. By manipulating
7 other variables like meteorology, terrain, predicted population
8 growth, and the effect of planned emissions reductions, the model
9 attempts to predict ambient ozone concentrations on the
10 applicable attainment date. See 1000 Friends of Maryland v.
11 Browner, 265 F.3d 216, 220-21 n.4 (4th Cir. 2001).

12 In addition to the attainment demonstration, the state plan
13 must contain "enforceable emission limitations, and such other
14 control measures, means or techniques (including economic
15 incentives such as fees, marketable permits, and auctions of
16 emission rights), as well as schedules and timetables for
17 compliance, as may be necessary or appropriate to provide for
18 attainment." 42 U.S.C. § 7502(c)(6). This section of the Act
19 sets forth the degree of specificity required of a state plan's
20 provisions, and requires that the plan provide for attainment of
21 the standards by a specific deadline, which for the New York City
22 area is November 15, 2007. § 7511(a)(1), (2).

23 B. New York's Plan

24 Although New York submitted a plan in the past, it was
25 required to revise that plan to comply with the Clean Air Act's
26 1990 amendments. The present dispute concerns New York's 1998

1 submission of its one-hour ozone attainment demonstration for the
2 New York City air quality control region. Approval and
3 Promulgation of Implementation Plans, New York, 64 Fed. Reg.
4 70,364, 70,375 (proposed Dec. 16, 1999). EPA's one-hour
5 standards for ozone -- the maximum average concentration of ozone
6 measured over a one-hour period -- is 0.12 parts per million
7 (ppm). 40 C.F.R. § 50.9. For models using three digits, EPA
8 uses rounding conventions to permit up to 124 parts per billion
9 (ppb).²

10 New York's attainment demonstration used a type of EPA-
11 approved photochemical grid modeling called the Urban Airshed
12 Model to predict the concentration of ozone levels in 2007,
13 following EPA's protocols in the application and validation of
14 the model. 40 C.F.R. pt. 51 app. W. Using meteorological data
15 from two extreme ozone events in 1988 and 1991, New York's model
16 predicted that comparable weather events in 2007 would create
17 measurements of 171 ppb based on the 1988 conditions and 169 ppb
18 based on the 1991 conditions. Each of these results
19 significantly exceeds the maximum permissible level of 124 ppb.

20 Recognizing that these results were too high and believing
21 that the Urban Airshed Model contained inaccuracies that tended
22 to produce high results, New York applied weight of the evidence
23 analysis to adjust the high test results. Weight of the evidence

² Petitioner argues that 0.12 ppm translates into 120 ppb and that EPA has no authority to relax the standard to 124 ppb. Because our resolution of the issues before us does not turn on this distinction, we do not address it.

1 analysis is essentially a totality of the circumstances approach,
2 one that considers all available data to evaluate the
3 reasonableness of the modeled results and which supplements those
4 results. The agency views weight of the evidence analysis (or
5 supplementary analysis) as helpful to addressing uncertainties
6 that exist in the photochemical grid modeling. In a 1996 manual
7 used to guide attainment of national air quality ozone standards,
8 it reasoned, "First, photochemical grid models require a great
9 deal of information. Much of this information is uncertain.
10 Further, model formulation reflects limits imposed by existing
11 scientific knowledge as well as by computational necessities.
12 Uncertainties in model inputs and limitations in model
13 formulation lead to uncertainties in model predictions." This
14 uncertainty requires a revised attainment test. "A second
15 finding from recent model applications is that controls estimated
16 as necessary to attain the [national air quality standards] can
17 be very high. Despite such estimates, monitored ozone data
18 reflect downward trends in many areas over the past 10 years
19 (U.S. EPA, 1994). Monitored data are the definitive means for
20 classifying an area's attainment status." Office of Air Quality
21 Planning and Standards, U.S. EPA, Guidance on Use of Modeled
22 Results to Demonstrate Attainment of the Ozone NAAQS, EPA-454/
23 B-95-007, at § 1.2 (June 1996) [hereinafter Guidance on Modeled
24 Results].

25 It is now thought that the modeled attainment test may be
26 too conservative. Because of the inherent imprecision of the

1 model other means must be looked at to determine if a plan's
2 controls will lead to attainment.

3 The process by which this is done is called a
4 weight of evidence (WOE) determination.
5 Under a WOE determination, a state can rely
6 on, and EPA will consider in addition to the
7 results of the modeled attainment test, other
8 factors such as other modeled output (e.g.,
9 changes in the predicted frequency and
10 pervasiveness of 1-hour ozone NAAQS
11 exceedances, and predicted change in the
12 ozone design value); actual observed air
13 quality trends (i.e. analyses of monitored
14 air quality data); estimated emissions
15 trends; and the responsiveness of the model
16 predictions to further controls.

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18 Approval and Promulgation of Implementation Plans, New York, 67
19 Fed. Reg. at 5175.

20 After New York conducted its weight of the evidence
21 analysis, it concluded that the adjusted results were in the
22 range of 118 to 122 ppb, and New York therefore believed it had
23 satisfied the attainment requirements. EPA independently
24 considered the results of New York's tests. Its Urban Airshed
25 Model test results, like New York's, yielded results well beyond
26 permissible levels, but, applying its own weight of evidence
27 analysis lowered its 2007 predictions to 129 ppb, slightly above
28 the required air quality standards.

29 EPA and New York offer two reasons for New York's high
30 results from the model. First, they assert the output of the
31 model does not match the applicable air quality standard. The
32 actual standard, which determines attainment, allows a certain
33 number of episodes exceeding the 124 ppb requirement. These are

1 called exceedances. The control area measured over a three-year
2 period is permitted up to three exceedances during this period.
3 Thus, the fourth highest reading during that period, known as the
4 design value, is the crucial result to determine whether
5 attainment has been achieved. Because the computer model only
6 predicts peak readings, it does not ascertain what is the area's
7 all-important design value.

8 Second, the agency and New York maintain the model's results
9 were inconsistent with other evidence. In particular, they
10 observed that the model predicted nearly equivalent results in
11 2007 as the results measured in the period 1995-98. Because
12 several emission control strategies implemented after 1999 were
13 not included in the model, EPA and New York believed the model
14 over-predicted the 2007 results. Noting there is limited data on
15 how accurate the model is in predicting future ozone levels, EPA
16 and New York both determined that further weight of the evidence
17 analysis was warranted.

18 Even after the supplementary analysis, New York's predicted
19 ozone level was still slightly above the air quality standards.
20 In response to this shortfall, New York offered commitments to
21 adopt and submit additional control measures by October 31, 2001.
22 As part of the commitment, New York submitted reports detailing
23 some of the steps it would take, including reducing emissions of
24 ozone precursors and adopting six emission reduction measures
25 recommended by the Ozone Transport Commission. The state
26 concedes that it missed its deadline, but it continued to update

1 EPA on its progress, and both New York and EPA insist the delay
2 would not prevent New York from attaining the ozone standards by
3 2007.

4 EPA approved New York's plan after public notice and an
5 opportunity for comment. Approval and Promulgation of
6 Implementation Plans, New York, 67 Fed. Reg. 5170. The agency
7 formally approved of the use of weight of the evidence analysis
8 to supplement the results of the photochemical grid model. It
9 also accepted New York's enforceable commitments to close the gap
10 and excused the late submission of those commitments, determining
11 that New York was sufficiently on track so that it would attain
12 required air quality standards by the attainment date. Id. at
13 5188.

14 C. Petitioner's Challenges

15 Petitioner challenges EPA's final approval of the New York
16 plan on the grounds that it does not comply with the Act or EPA
17 regulations and that therefore the agency's approval was
18 arbitrary, capricious, an abuse of discretion, or otherwise not
19 in accordance with law.

20 Petitioner's primary challenge is to the application of the
21 weight of evidence analysis to the results of the photochemical
22 grid modeling to demonstrate attainment. Petitioner believes the
23 weight of evidence analysis does not merely supplement the model
24 but rather displaces it. It also maintains that weight of
25 evidence analysis runs afoul of EPA's own regulations because it
26 was derived without following the necessary notice and comment

1 procedures. Petitioner argues, in addition, that the agency's
2 analysis calculated emissions reductions that assumed a linear
3 relationship between those reductions and a decrease in ozone
4 levels, and that such calculations violated the agency's rule
5 prohibiting "proportional (rollback/forward) modeling." 40
6 C.F.R. pt. 51 app. W § 6.2.1.e (2002).³ Petitioner insists the
7 modeling in any event does not demonstrate attainment by November
8 15, 2007.

9 Petitioner next takes issue with EPA's finding that New York
10 would achieve levels of 129 ppb by 2007 since its plan only
11 contains commitments to close the gap instead of actual adopted
12 control measures. Finally, the third attack on the EPA ruling is
13 that it circumvents the Act's schedule for submitting state plans
14 and impermissibly and indefinitely extends the statutory
15 deadline.

16 Petitioner declares that because of the deficiencies it
17 identified, EPA should have rejected New York's plan. It notes
18 in the alternative that EPA, instead of issuing a final approval,
19 could have attempted to follow the Act's conditional approval
20 mechanism, 42 U.S.C. § 7410(k)(4), though it doubts that New
21 York's plan would have qualified even for conditional approval.
22 With those challenges in mind we turn to a discussion of them,

³ We apply the language of Appendix W as it read during the relevant time frame. Appendix W has since been amended. See 40 C.F.R. pt. 51 app. W (2003).

1 but before doing that, there are two threshold matters that must
2 be resolved.

3 DISCUSSION

4 I Standard of Review

5 The first of these is the standard of review we apply to
6 this appeal. We have jurisdiction under § 307(b)(1) of the Clean
7 Air Act to review EPA's final action approving the New York plan.
8 42 U.S.C. § 7607(b)(1). Because the Act contains no independent
9 standard of review, we review the agency's actions pursuant to
10 the Administrative Procedure Act, setting aside agency action
11 only when it is "arbitrary, capricious, an abuse of discretion,
12 or otherwise not in accordance with law." 5 U.S.C. § 706(2)(A)
13 (2000); New York Pub. Int. Res. Group v. Whitman, 321 F.3d 316,
14 324 (2d Cir. 2003) (applying the "arbitrary and capricious"
15 standard to evaluate EPA action taken pursuant to Clean Air Act).

16 The arbitrary and capricious standard of review is narrow
17 and particularly deferential. Erie-Niagara Rail Steering Comm.
18 v. Surface Transp. Bd., 247 F.3d 437, 441 (2d Cir. 2001). We
19 reverse the agency only when there has been a "clear error of
20 judgment." See Citizens to Preserve Overton Park, Inc. v. Volpe,
21 401 U.S. 402, 416 (1971). Our task under this standard is to
22 decide if the agency has considered the evidence, examined the
23 relevant factors, and spelled out a satisfactory rationale for
24 its action including the demonstration of a reasoned connection
25 between the facts it found and the choice it made. See J. Andrew
26 Lange, Inc. v. FAA, 208 F.3d 389, 391 (2d Cir. 2000).

1 When a federal agency takes action under a particular
2 statutory provision, we review the agency's interpretation of the
3 statute under Chevron, U.S.A., Inc. v. Natural Res. Def. Council,
4 Inc., 467 U.S. 837 (1984). Chevron analysis asks first "whether
5 Congress has directly spoken to the precise question at issue."
6 Id. at 842. If so, analysis ends. The reason for this is
7 because both the agency and the courts "must give effect to the
8 unambiguously expressed intent of Congress." Id. at 842-43. If
9 the statute has not addressed the question or is ambiguous, the
10 agency's interpretation of the statute may be entitled to
11 deference. See id. at 843. But first it must be determined
12 whether Congress explicitly or implicitly delegated authority to
13 the agency to interpret ambiguities in the statute. See United
14 States v. Mead Corp., 533 U.S. 218, 226-31 (2001). Generally,
15 when the agency is charged with implementing a statute, and its
16 interpretation was reached through formal notice and comment
17 rulemaking, its construction of the statute will, if reasonable,
18 be granted deference by the reviewing court. Id. at 229-30.

19 In the case at hand, Congress has delegated to the EPA the
20 authority to review state plans for their compliance with the
21 Clean Air Act. See 42 U.S.C. § 7410(k). EPA's authority to
22 interpret ambiguities in the Act manifestly follows from its role
23 in implementing the statute. Since EPA's interpretation of the
24 relevant Act provisions was promulgated through notice and
25 comment rulemaking -- and reflects reasoned deliberation -- its

1 interpretation of an ambiguous provision should, if reasonable,
2 be upheld.

3 II Collateral Estoppel

4 Next we address EPA's contention that petitioner is
5 collaterally estopped from pursuing several of its arguments
6 before us because it was on the losing side of a recent Fifth
7 Circuit decision, BCCA Appeal Group v. EPA, 355 F.3d 817 (5th
8 Cir. 2003). BCCA involved EPA's approval of Texas' plan for the
9 Houston-Galveston severe ozone nonattainment area. In its
10 attainment demonstration, Texas applied weight of the evidence
11 analysis, and also offered enforceable commitments to close the
12 gap between its predicted results and the applicable air quality
13 standards. The Fifth Circuit upheld EPA's final rule approving
14 the Texas plan. Id. at 848. While acknowledging that another
15 circuit's decision is not binding on us, EPA argues it should
16 nevertheless foreclose petitioner from relitigating in this forum
17 because it was one of the petitioners in BCCA.

18 The judicially-created doctrine of collateral estoppel, or
19 issue preclusion, bars a party from relitigating in a subsequent
20 proceeding an issue of fact or law that was clearly raised in a
21 prior action where the party to be precluded, here petitioner,
22 had a full and fair opportunity to litigate the issue, Purdy v.
23 Zeldes, 337 F.3d 253, 258 (2d Cir. 2003), and a decision on that
24 issue was necessary to support a valid and final judgment on the
25 merits. See Interoceanica Corp. v. Sound Pilots, Inc., 107 F.3d
26 86, 91 (2d Cir. 1997). The doctrine serves to "relieve parties

1 of the cost and vexation of multiple lawsuits, conserve judicial
2 resources, and, by preventing inconsistent decisions, encourage
3 reliance on adjudication." Allen v. McCurry, 449 U.S. 90, 94
4 (1980).

5 EPA points out that four legal issues decided in BCCA are
6 much the same as the issues presently raised. Collateral
7 estoppel does not apply however when the essential facts of the
8 earlier case differ from the instant one, even if they involve
9 the same legal issues. When the facts essential to a judgment
10 are distinct in the two cases, the issues in the second case
11 cannot properly be said to be identical to those in the first,
12 and collateral estoppel is inapplicable. Montana v. United
13 States, 440 U.S. 147, 159 (1979).

14 We agree with petitioner that there are several significant
15 factual distinctions between this case and BCCA. One major
16 difference is the physical properties of the two regions. For
17 example, BCCA noted the Houston-Galveston area was affected by a
18 "unique land-sea breeze meteorological condition." 355 F.3d at
19 823 n.1. In addition, other model inputs such as terrain,
20 population, and state emissions laws differ significantly from
21 Texas to New York. Such differences affect how a court assesses
22 the reliability and accuracy of the model test results and
23 therefore the appropriateness of supplemental analysis.

24 Further, the type of weight of evidence analysis used in
25 Texas was quite different from the analysis employed in New York.
26 Texas used a quadratic equation to calculate the additional

1 reductions needed to satisfy the national air quality standards.
2 BCCA, 355 F.3d at 834. New York applies a Relative Reduction
3 Factor to predict design levels rather than peak levels. These
4 different approaches are sufficiently distinct so as to
5 critically affect the assessment of the weight of evidence
6 analysis. We must determine if the approach utilized in New
7 York's plan comports with the Act, and because that approach is
8 not comparable to the one used in Texas, we cannot with any
9 degree of certainty say that issue has already been resolved.

10 To the extent that EPA characterizes a number of the issues
11 as questions of law -- and therefore not dependent on the factual
12 context -- its arguments implicate another limitation on applying
13 collateral estoppel. "[W]here pure questions of law -- unmixed
14 with any particular set of facts -- are presented to a court, the
15 interests of finality and judicial economy may be outweighed by
16 other substantive policies." United States v. Alcan Aluminum
17 Corp., 990 F.2d 711, 719 (2d Cir. 1993); accord 18 Charles Alan
18 Wright, et al., Federal Practice & Procedure § 4425 (2d ed.
19 2002). Here the public nature of the issues presented counsels
20 against strict application of collateral estoppel. The petition
21 challenges the actions of a government agency, whose decision
22 concerns a matter of great public importance, that is the quality
23 of the air millions of citizens breathe daily. The traditional
24 concerns about relieving the parties of the costs of litigation
25 and conserving judicial resources must be weighed against the

1 interests of nonparties where this legal challenge implicates the
2 public good.

3 It is worth noting in passing that EPA likely would not be
4 bound by collateral estoppel were it to have lost the BCCA
5 appeal, precisely because government cases often involve legal
6 questions of substantial public importance, and because applying
7 collateral estoppel in public cases involving geographic breadth
8 "would substantially thwart the development of important
9 questions of law by freezing the first final decision rendered on
10 a particular legal issue." United States v. Mendoza, 464 U.S.
11 154, 160 (1984). While we recognize that Mendoza only precludes
12 nonmutual offensive collateral estoppel against the government,
13 its rationale is informative in a case like this, which affects
14 the public interest and is only one of a series of legal
15 challenges across the country. In short, petitioner is not
16 collaterally estopped from pursuing its arguments before us.

17 III Attainment Demonstration

18 A. Weight of Evidence Analysis

19 Having disposed of the threshold matters, we turn to the
20 merits. Petitioner's primary argument is that the weight of
21 evidence analysis applied by New York and EPA contravenes the Act
22 and the EPA's regulations. It believes this supplementary
23 analysis fundamentally alters the results of the model to a
24 degree that the attainment demonstration no longer can fairly be
25 said to be based on photochemical grid modeling.

1 F.3d 296, 305-06 (D.C. Cir. 2004). The attainment demonstration
2 need not rely solely on the grid model, and by the same token the
3 demonstration may not abandon the model altogether. Between
4 these two extremes is an attainment demonstration based on
5 photochemical grid modeling; though precisely where between them
6 is not clear. EPA has said that where the modeled results form
7 the principal component of the analysis, an attainment
8 demonstration obtained by adjusting those results with
9 supplemental information is still based on the grid model.

10 The grid model is not flawless, as petitioner recognizes,
11 and EPA concedes the model contains potential inaccuracies. It
12 could not be otherwise when one considers the photochemical grid
13 model is a highly complex method of predicting how chemicals will
14 combine in the atmosphere to create ozone years in the future. A
15 reviewing court must remember that the agency is making
16 predictions at the frontiers of science. In "examining this kind
17 of scientific determination, as opposed to simple findings of
18 fact, a reviewing court must generally be at its most
19 deferential." Baltimore Gas & Elec. Co. v. Natural Res. Def.
20 Council, Inc., 462 U.S. 87, 103 (1983).

21 Although the photochemical grid analysis is the best
22 available method of predicting ozone concentrations, EPA, based
23 on its experience and the experience of states within its
24 regulatory purview, has identified many inaccuracies in this form
25 of measurement. See Guidance on Modeled Results, supra, at Table
26 S.1; Approval and Promulgation of Implementation Plans, New York,

1 67 Fed. Reg. at 5175. For that reason the agency has taken
2 appropriate steps to address those inaccuracies in the model,
3 which steps are permissible so long as they are taken in a manner
4 consistent with the agency's statutory mandate.

5 The record supports the EPA's conclusion that further
6 analysis was appropriate for the New York plan. EPA found the
7 model predicted comparable ozone levels in 2007 to levels
8 measured in the period 1995-98 and believed this result
9 improbable since numerous emissions reduction measures were due
10 to be implemented between 1999 and 2007. It also found the model
11 predicted that 87 percent of the points measured in the grid that
12 exceeded the ozone levels in 1990 were predicted to attain the
13 attainment standard by 2007. Given that high degree of
14 improvement, EPA considered it anomalous that the model also
15 predicted ozone peaks as high as 171 ppb in 2007.

16 EPA declares that even with the supplemental analysis,
17 photochemical grid modeling results constitute the principal
18 component of its analysis, with the additional analysis simply
19 aiding its accounting for uncertainties in the model. 67 Fed.
20 Reg. at 5175. The grid model results formed not only the
21 starting point of New York's weight of evidence analysis, but
22 they also served as a prominent part of the substantive aspects
23 of that analysis. That analysis attempted to project future
24 design levels based on the modeled results, a method known as
25 design value rollback. This method explicitly used the results
26 of the grid modeling to estimate air quality benefits from Clean

1 Air programs implemented through 2007. The photochemical grid
2 model results were also used to estimate the air quality benefits
3 from EPA's proposed ozone transport program. By subtracting the
4 model's predicted improvements from the current design values,
5 New York predicted that its design values in 2007 would be 118-
6 122 ppb.

7 EPA supplemented New York's analysis by evaluating different
8 years, and having as its starting point an average of the design
9 values for the years 1990, 1991, and 1992. The agency then
10 calculated the percentage of peak ozone reductions from the base
11 year to the model's predictions for the attainment year, a
12 percentage it calls the Relative Reduction Factor. By applying
13 the factor to the design levels of the base period, EPA estimated
14 the design values for the attainment year. It concluded from
15 these computations first that the varying results from different
16 applications of the design value rollback supported its belief
17 that there was uncertainty in the grid model's projections. It
18 also concluded that New York's real design value in 2007 was
19 likely to be about 129 ppb -- close to, but not quite attaining
20 the one-hour national air quality standards.

21 Such analysis is consistent with the language of the statute
22 because under EPA's approach, grid modeling forms the foundation
23 and principal component of the attainment demonstration. Each
24 aspect of the weight of evidence analysis used data from the
25 photochemical grid model, and the corrections were applied to the
26 results of the model. The record suggests that this analysis was

1 applied to correct for errors in the model, with an eye towards
2 the ultimate goal of assessing whether the state plan provided
3 for attainment by the deadline. It is not our charge to second
4 guess the agency's scientific conclusions. If it has articulated
5 a rational reason why weight of the evidence analysis was
6 appropriate, and that reason finds support in the record, we must
7 affirm it. See Motor Vehicle Mfrs. Ass'n of the United States v.
8 State Farm Mut. Auto. Ins. Co., 463 U.S. 29, 42-43 (1983).

9 Accordingly, we are persuaded that the EPA's analysis was
10 based on a reasonable interpretation of the Act and was applied
11 after satisfactory evaluation of the relevant data. EPA has
12 articulated a rational explanation for its actions based on the
13 facts found. That is all that is required.

14 2. EPA Regulations

15 Petitioner also believes that EPA's supplemental analysis
16 contravenes its own regulations. Those rules provide that "[t]he
17 adequacy of a control strategy shall be demonstrated by means of
18 applicable air quality models, data bases, and other requirements
19 specified in appendix W of this part (Guideline on Air Quality
20 Models)." 40 C.F.R. § 51.112(a)(1). Appendix W in turn offers
21 broad guidance on the use of grid modeling, including recommended
22 types of models, design considerations, and a discussion of
23 uncertainty of the models. 40 C.F.R. pt. 51 app. W § 6.1 (2002).
24 The appendix recommends the Urban Airshed Model for photochemical
25 grid modeling, and refers users to EPA's Guideline for Regulatory

1 Application of the Urban Airshed Model (Guideline). See id.
2 § 6.2.1(a).

3 EPA first issued the Guideline in 1991 and then revised it
4 in 1996 and subsequently. The 1991 Guideline provided that
5 "there should be no predicted daily maximum ozone concentrations
6 greater than 0.12 ppm anywhere in the modeling domain," and if
7 attainment is not demonstrated, the model must be repeated as an
8 iterative process "until attainment is shown for each modeled
9 episode." Office of Air Quality Planning and Standards, U.S.
10 EPA, Guideline for Regulatory Application of the Urban Airshed
11 Model, 14, 63 (July, 1991) [hereinafter Guideline for Regulatory
12 Application]. However, the 1996 revision superseded this strict
13 language and allowed more flexibility in the testing to track
14 more closely the limited exceedances permitted by the air quality
15 standards. See Guidance on Modeled Results, supra, at § 2. The
16 1996 guidance also recognized uncertainties in the grid models
17 that practitioners were beginning to identify through experience.

18 Petitioner contends that the 1991 Guideline is a rule
19 because it was incorporated into Appendix W and that, as a rule,
20 the 1991 Guideline can only be changed through notice and comment
21 rulemaking. 5 U.S.C. § 553. It believes that the later
22 revisions were invalid because they were not adopted through
23 formal procedures. Thus, petitioner maintains EPA's actions with
24 respect to the New York plan were inconsistent with its own 1991
25 Guideline, which it claims is still in effect.

1 We agree with EPA that the Guideline is not a rule and that
2 the subsequent revisions were effective notwithstanding the lack
3 of formal rulemaking procedures. While Appendix W may only be
4 amended by notice and comment rulemaking, it only "refer[s]"
5 users to the Guideline "for additional data requirements and
6 procedures for operating this model." 40 C.F.R. pt. 51 app. W
7 § 6.2.1(a). The language referring users is not mandatory, nor
8 does it express an intent to incorporate the Guideline. Cf. PPG
9 Indus., Inc. v. Costle, 659 F.2d 1239, 1250 (D.C. Cir. 1981)
10 (where rule requires use of procedures described in guideline,
11 then guideline intended to be mandatory and must be adopted
12 through formal notice and comment procedure). The Guideline on
13 its own terms is not legislative, but rather "provides
14 recommendations and procedures" for conducting an analysis with
15 the Urban Airshed Model. Guideline for Regulatory Application,
16 supra, at 1. Hence, the Guideline is simply a useful manual and
17 may be revised without formal procedures, although lack of such
18 procedures also means that the Guideline has not the independent
19 force of law. See Used Equip. Sales, Inc. v. Dep't of Transp.,
20 54 F.3d 862, 867 (D.C. Cir. 1995) (guidelines not promulgated
21 pursuant to notice and comment rulemaking "have no legal effect
22 apart from the agency's ability to persuade this court to the
23 view they reflect").

24 Petitioner further challenges the supplemental methodology
25 on the ground that part of EPA's analysis violated Appendix W's
26 mandate that "[p]roportional (rollback/forward) modeling is not

1 an acceptable procedure for evaluating ozone control strategies."
2 40 C.F.R. pt. 51 app. W § 6.2.1.e. "Rollback" is defined as "[a]
3 simple model that assumes that if emissions from each source
4 . . . are decreased by the same percentage, ambient air quality
5 concentrations decrease proportionately." Id. § 14.0. When EPA
6 calculated the additional emissions reductions New York needed to
7 effectuate in order to attain the ozone standard, it used a
8 method of estimating reductions in emissions of ozone precursors
9 that assumed a linear relationship between those reductions and
10 the corresponding reduction in ozone concentration. See Approval
11 and Promulgation of Implementation Plans, New York, 67 Fed. Reg.
12 at 5176-77.

13 EPA asserts that linear rollback has always had some degree
14 of validity and widespread acceptance, and that the prohibiting
15 clause of Appendix W was intended only to prohibit linear
16 rollback as the sole basis for demonstrating attainment. When
17 rollback is based on modeled test results, and addresses only a
18 limited reduction in ozone concentrations, the agency maintains
19 the method does not suffer from the same simplistic failures as
20 when it is applied to the whole program. EPA believes linear
21 approximations can be helpful in circumstances where (1) only a
22 small increment of the overall ozone reduction is being addressed
23 and (2) the relationship between precursors and ozone is derived
24 from locally modeled or measured air quality. Id.

25 When interpreting its own regulations, set forth in a final
26 rule, the agency's interpretation is "controlling unless plainly

1 erroneous or inconsistent with the regulation." Auer v. Robbins,
2 519 U.S. 452, 461 (1997). We believe that EPA's interpretation
3 satisfies that highly deferential standard. The definition of
4 proportional rollback as a simplistic model using a blanket
5 assumption leaves room for EPA to conclude that a comparable type
6 of analysis is not prohibited when it is based on measured data
7 and applied only to a narrow range of effects. Whether and to
8 what extent linear relationships exist between assorted variables
9 and ozone reduction is a matter for the expert judgment of EPA,
10 and its determination that the analysis used here does not
11 contravene Appendix W is not unreasonable.

12 Consequently, since the 1996 revision and subsequent
13 revisions to the Guideline were effective, and because those
14 revisions contemplate the use of supplemental analysis, including
15 weight of evidence, EPA's approval of the New York plan did not
16 contravene its own rules or guidelines.

17 B. Attainment Deadline

18 In a related attack on the attainment demonstration,
19 petitioner argues that the model failed to demonstrate attainment
20 by the deadline of November 15, 2007. The EPA measures
21 compliance with the standard over a three-year period, and the
22 standard is violated if the average number of exceedances over a
23 three-year period is greater than one. 40 C.F.R. § 50.9(a) &
24 app. H (2003). For example, three exceedances over a three-year
25 period is compliant because the average number of exceedances
26 does not exceed one. A fourth exceedance over that period would

1 violate the standard. Because of this method for measuring
2 compliance, petitioner argues that New York's plan was required
3 to demonstrate attainment in 2005 and 2006, not just in 2007,
4 since satisfactory levels in 2007 are not sufficient to
5 demonstrate that the standard will be met.

6 We agree with EPA that it is inconsistent with the statutory
7 scheme to require attainment effectively by 2005. First, such a
8 construction runs counter to the plain language of the Act, which
9 sets the attainment date as November 15, 2007. 42 U.S.C.
10 § 7511(a)(1), (2). Indeed, given that clarity of statutory
11 language, if there were in fact a conflict between the statute
12 and EPA's regulations, it would be the regulation that would have
13 to yield and not, as petitioner would have it, the statute. See
14 Chevron, 467 U.S. at 842-43. Second, other provisions of the Act
15 envision incremental progress up until the attainment date,
16 suggesting that Congress expected attainment by the attainment
17 date and not sooner. See, e.g., § 7511a(c)(2)(B) (requiring at
18 least three percent baseline emissions reductions each year up
19 until the attainment date).

20 EPA asserts that the tension between the specified
21 attainment date in 2007 and the three-year attainment test is
22 resolved by § 181(a)(5) of the Act. § 7511(a)(5). In this
23 section Congress delegated EPA the authority to grant a state up
24 to two one-year extensions of the attainment deadline, if the
25 state met certain criteria in the attainment year. This section
26 provides

1 Upon application by any State, the
2 Administrator may extend for 1 additional
3 year (hereinafter referred to as the
4 "Extension Year") the date specified in table
5 1 of paragraph (1) of this subsection if--
6

7 (A) the State has complied with all
8 requirements and commitments pertaining to
9 the area in the applicable implementation
10 plan, and
11

12 (B) no more than 1 exceedance of the
13 national ambient air quality standard level
14 for ozone has occurred in the area in the
15 year preceding the Extension Year.
16

17 No more than 2 one-year extensions may be
18 issued under this paragraph for a single
19 nonattainment area.
20

21 § 7511(a)(5).

22 We think this extension provision permits the agency
23 simultaneously to compel attainment by November 15, 2007, and to
24 measure attainment over three years. EPA does not, contrary to
25 petitioner's argument, effectively approve an extension before a
26 state has demonstrated that it warrants one. Rather, the
27 extension provision ensures that although a state might achieve
28 compliance by 2005, EPA may still deem it in compliance if it
29 attains the standard by 2007. We therefore reject the claim that
30 EPA has relaxed the deadline for attainment. Accord Sierra Club,
31 356 F.3d at 307 n.9 (upholding EPA's practice of requiring plan
32 to demonstrate attainment by the statutory deadline, reasoning
33 that petitioner's suggested interpretation would effectively move
34 up the statutory deadline by two years).

1 IV Enforceable Commitments

2 A. Under the Act

3 As discussed above, EPA concluded that New York's plan would
4 achieve ozone levels of approximately 129 ppb by the attainment
5 date, a level that still exceeded the national air quality
6 standards. The agency estimated that to meet the national
7 standard the state needed to have additional reductions of 85
8 tons per day of volatile organic compounds and seven tons per day
9 of nitrogen oxides.

10 New York amended its plan to include as one part of its
11 overall strategy an enforceable commitment to adopt further
12 controls to reduce VOC and NOx emissions to make up this
13 shortfall. The state submitted numerous revisions on a
14 continuing basis as to how it would satisfy its obligations.
15 Those submissions included analysis of whether there were any
16 additional available control measures that the state could take,
17 and it advised EPA it would be adopting six specific regulations
18 based on the Ozone Transfer Commission's recommendations. EPA
19 considered these submissions in conjunction with New York's
20 overall emissions control strategy, and having determined that
21 the plan provided for attainment by the statutory deadline it
22 approved the state's plan.

23 Petitioner insists that neither the Act nor the regulations
24 permit EPA to approve a plan containing unspecified commitments.
25 It asserts the language of the Act compels greater specificity
26 than simply a commitment to implement measures in the future.

1 The key statutory language it points to states that plans must
2 contain "enforceable emission limitations and other control
3 measures, means, or techniques (including economic incentives
4 such as fees, marketable permits, and auctions of emissions
5 rights), as well as schedules and timetables for compliance, as
6 may be necessary or appropriate to meet the applicable
7 requirements of this chapter." § 7410(a)(2)(A). Continuing its
8 argument, petitioner contends that enforceable commitments do not
9 qualify as "control measures, means, or techniques," pointing to
10 language requiring ozone nonattainment areas to implement "all
11 reasonably available control measures as expeditiously as
12 practicable." § 7502(c)(1).

13 We note first the breadth of the essential language, which
14 not only permits a wide array of types of submissions -- emission
15 limitations, control measures, means, techniques, fees, permits,
16 auctions, schedules, timetables -- but also requires them only as
17 may be necessary or appropriate. In any event, the recited
18 essential terms -- control measures, means, and techniques -- are
19 not defined in the Act. Cf. § 7602 (definitions clause of the
20 Act). Since Congress has not spoken directly to the question of
21 whether New York's commitment and submissions are encompassed
22 within the Act's relevant language, we will defer to EPA's
23 interpretation of the language, so long as it is reasonable.

24 EPA has determined that New York's enforceable commitment to
25 adopt certain additional NOx and VOC controls constituted a means
26 or technique. This conclusion is not inconsistent with the

1 dictionary definitions of those terms. "Means" is defined as
2 "something by the use or help of which a desired end is attained
3 or made more likely: an agent, tool, device, measure, plan, or
4 policy for accomplishing or furthering a purpose." Webster's
5 Third New International Dictionary 1398 (definition 6).

6 "Technique" is defined as "a technical method of accomplishing a
7 desired aim" and as a "method, way, [or] manner." Id. at 2348
8 (definition 2). New York's commitments, particularly with the
9 ongoing reports and updates submitted to EPA, could comfortably
10 fit within these definitions. Given the breadth of the statutory
11 language, EPA's decision to treat an enforceable commitment as a
12 means or technique is reasonable and therefore should be upheld.

13 To determine whether a state's commitment is appropriate,
14 EPA applies a three-factor test asking if: (1) it addresses a
15 limited portion of the reductions needed for attainment; (2) the
16 state could fulfill it; and (3) it was for a reasonable time.
17 Approval and Promulgation of Implementation Plans, New York, 67
18 Fed. Reg. at 5186-87. With respect to the three factors, EPA
19 observed: first, that New York's commitment addressed only a
20 small portion of the reductions needed, specifically 9.1 percent
21 of the total VOC emission reduction and 0.8 percent of the NOx
22 emission reduction, which EPA considered a minimal portion of the
23 required reductions, id. at 5187; and second, based on its
24 overall evaluation of New York's resources and submissions, that
25 the state possessed the ability to achieve its commitments. Part
26 of the agency's favorable response on this factor was predicated

1 on its understanding that New York intended to adopt the control
2 measures recommended by the Ozone Transport Commission. Id.
3 Third, EPA acknowledged that it would take time for New York's
4 administrative rulemaking process to adopt the required measures.
5 It conceded the state missed the October 31, 2001 submission
6 deadline, but recognized that this delay was due in part to the
7 fact that the Ozone Transport Commission's regulation development
8 process had taken longer than expected. Id. at 5188. EPA
9 nevertheless decided that New York was sufficiently on schedule
10 to ensure that it would attain the standard by the attainment
11 date. This decision represents not an abdication of EPA's
12 responsibility to ensure that the state meets the attainment
13 deadline, as petitioner contends, but a recognition that the
14 regulatory process was reasonably taking more time than had
15 initially been anticipated.

16 The language of the Clean Air Act supports EPA's ruling that
17 the limited acceptance of enforceable commitments, as part of a
18 comprehensive overall strategy, was permissible. EPA's three-
19 factor test ensures that a state's use of commitments is limited
20 in time and scope and capable of being achieved as part of its
21 overall plan. These commitments are enforceable by EPA and by
22 citizen suits, and courts have enforced such commitments after
23 EPA approved them. See BCCA, 355 F.3d at 838-39 & n.25 (citing
24 cases).

25 Petitioner's reliance on National Resources Defense Council
26 v. Environmental Protection Agency (NRDC), 22 F.3d 1125 (D.C.

1 Cir. 1994), is misplaced. In NRDC, the D.C. Circuit held that
2 EPA's acceptance of a plan that contained only commitments was
3 inconsistent with the statutory scheme. The court noted that the
4 Act contemplated a submission timetable that included submission,
5 followed by a completeness determination, followed by approval or
6 disapproval. NRDC held that the completeness determination could
7 not be made unless the submission contained "something more than
8 a mere promise to take appropriate but unidentified measures in
9 the future." Id. at 1134. EPA's conditional approval of only
10 commitments, without any completeness determination or
11 substantive review, inappropriately circumvented the Act's
12 timetable.

13 NRDC turned on statutory interpretation of a different
14 clause of the Act so that its legal analysis is not directly
15 relevant to the case at hand. Further, NRDC is factually
16 distinguishable since it did not address the current situation in
17 which the submitted plan includes a comprehensive and detailed
18 plan for attainment. Here EPA did undertake the substantive
19 analysis that was lacking in NRDC and decided it could accept
20 enforceable commitments in view of the fact that they represented
21 only a small portion of an otherwise thorough plan. New York's
22 plan does not lack any substantive elements required of a plan,
23 and most importantly, its enforceable commitments consisted of
24 proposed regulations that were specific enough to allow EPA to
25 evaluate their likely efficacy and contribution to the plan as a
26 whole. Where a state submits specific proposed regulations that

1 it commits to adopt within a limited time, and EPA after reasoned
2 consideration deems the proposals sufficient to make the
3 necessary emission reductions, we will not second-guess EPA's
4 decision simply because the commitments have not yet been
5 enacted. Cf. Sierra Club, 356 F.3d at 302-04 (NRDC's prohibition
6 on empty plans extends to those that contain some substantive
7 provisions but lack others; EPA cannot properly evaluate the
8 sufficiency of a plan where substantive provisions are missing).
9 We believe New York's submissions contained adequate detail for
10 EPA to conduct its completeness analysis, and hence that its
11 approval did not circumvent the submission timetable as the plan
12 did in NRDC.

13 B. Under Agency Regulations

14 Contrary to petitioner's contention, EPA's rules and
15 regulations do not prohibit its limited acceptance of
16 commitments. EPA rules provide that the attainment plan must set
17 forth a "control strategy" for attaining the standard, 40 C.F.R.
18 § 51.111, and that the plan measures "must be adopted as rules
19 and regulations enforceable by the State agency." § 51.281.

20 Control strategy is defined broadly as any

21 combination of measures designated to achieve
22 the aggregate reduction of emissions
23 necessary for attainment and maintenance of
24 national standards including, but not limited
25 to, measures such as:

26
27 (1) Emission limitations.

28
29 (2) Federal or State emission charges or
30 taxes or other economic incentives or
31 disincentives.

1 (3) Closing or relocation of . . . industrial
2 facilities.

3

4
5
6 (8) Any variation of, or alternative to any
7 measure delineated herein.

8
9 § 51.100(n)(1)-(8). This definition of control strategy is
10 extremely broad and, by its own terms, not comprehensive. We
11 think EPA's conclusion that New York's plan satisfies its
12 requirements as a control strategy is based on a permissible
13 reading of its regulations.

14 As for the requirement that the provisions be adopted as
15 rules or regulations, we agree with the agency that the
16 commitment is enforceable as a "rule," as defined by the
17 Administrative Procedure Act, 5 U.S.C. § 551(4). The commitment
18 is a rule because it was adopted through notice and comment
19 rulemaking, creates specific rights, imposes specific obligations
20 on the state, and is enforceable against it. Accord BCCA, 355
21 F.3d at 840 n.29. As such, it constitutes a "statement of
22 general or particular applicability and future effect designed to
23 implement, interpret, or prescribe law or policy or describing
24 the organization, procedure, or practice requirements of an
25 agency." § 551(4).

26 EPA's ultimate responsibility is to ensure that a submitted
27 plan contains adequate provisions to achieve attainment by the
28 applicable attainment date. We are satisfied that New York's
29 plan contained sufficiently detailed provisions and that EPA
30 fulfilled its obligation to assess it.

1 V Submission Timetable

2 Finally, petitioner declares that EPA has impermissibly and
3 indefinitely extended the submission deadline for a plan by
4 accepting an enforceable commitment that gives New York time to
5 implement further regulations.

6 The commitment however was adopted as a final rule and is
7 enforceable as of its adoption. We agree with EPA that the fact
8 that part of the process would be concluded in the future does
9 not amount to an extension of the deadline. The broader issue is
10 whether New York had submitted sufficient information by the
11 deadline for EPA to perform its role in assessing the
12 completeness and reasonableness of the state's plan. The
13 enforceable commitments, intended to close a small gap between
14 measured results and the national air quality standards, included
15 progress statements by the state that assured EPA of the specific
16 measures it would take, such as acceptance of the Ozone Transport
17 Commission's recommendations. New York had in fact already begun
18 the process of adopting its additional provisions before its plan
19 was finally approved. These submissions were sufficient for EPA
20 to perform its evaluation, and therefore were not an
21 impermissible circumvention of the deadline.

22 Petitioner thinks that if EPA wanted to approve a plan that
23 contained commitments, it could do so only pursuant to the Act's
24 conditional approval mechanism. 42 U.S.C. § 7410(k)(4). The Act
25 permits conditional approval based on a commitment to adopt a
26 specific provision within one year; if the state fails to comply

1 with its commitment, the conditional approval is treated as a
2 disapproval. Id. Although we recognize that the conditional
3 approval approach might have been an option for EPA, we cannot
4 agree it was EPA's only option. The existence of the conditional
5 approval procedure does not foreclose final approval of a plan
6 that, while containing commitments, is nevertheless sufficiently
7 comprehensive. Nothing in the language of the Act suggests that
8 when conditional approval is available that Congress planned for
9 that procedure to be the only means of approval.

10 CONCLUSION

11 For the reasons stated, we hold EPA's approval of New York's
12 plan did not violate the Clean Air Act or EPA regulations. We
13 have considered petitioner's remaining arguments and find them
14 all to be without merit. Consequently, we deny the petition for
15 review.

16 Petition denied.