



U.S. Environmental Protection Agency

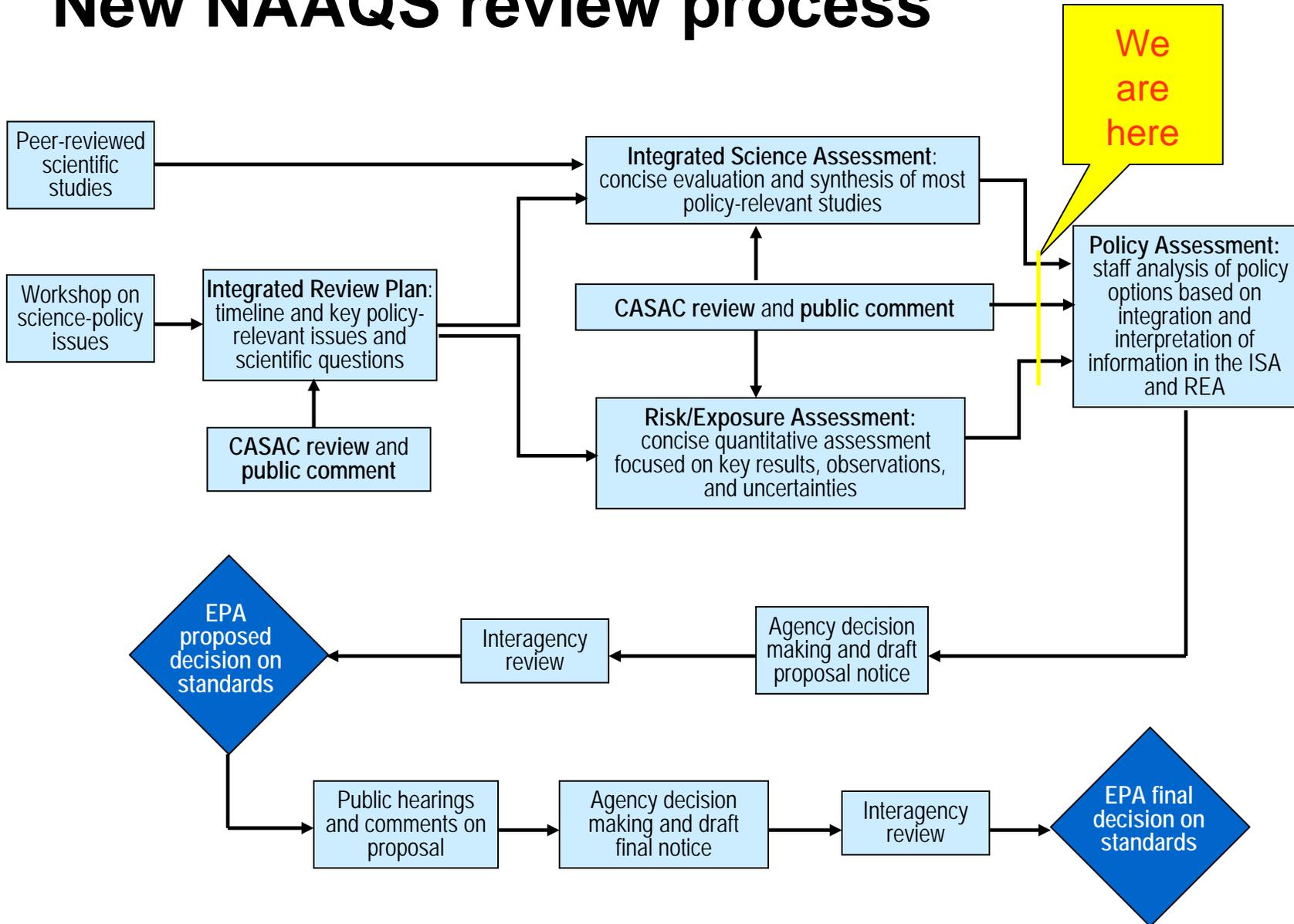
Clean Air Scientific Advisory  
Committee (CASAC)

Ambient Air Monitoring & Methods  
Subcommittee (AAMMS)

Public Meeting: February 24-25, 2010

**Purpose:** *To provide advice on options for an urban visibility indicator, and methods and equipment for its direct measurement as presented in the Agency white paper accessible at <http://www.epa.gov/ttn/amtic/casacinf.html>.*

# New NAAQS review process



## Projected Schedules for Ongoing NAAQS Reviews as of November 19, 2009

Stage of Review	Major Milestone <sup>1</sup>	NO <sub>2</sub> Primary	SO <sub>2</sub> Primary	Ozone Reconsideration	CO	PM (accelerated schedule)	NO <sub>2</sub> /SO <sub>2</sub> Secondary	Ozone (new review after reconsideration)
Integrated Review Plan	Call for Information	Dec 2005	May 2006		Sept 2007	Jun 2007	Dec 2005	Aug 2008
	Workshop on science/policy issues	Feb 2007	Feb 2007		Jan 28-29, 2008	Jul 2007	July 2007	Oct 29-30, 2008
	Draft Integrated Review Plan	Apr 2007	Apr 2007		Mar 2008	Oct 2007	Sept 2007	Sept 2009
	CASAC/public review of Draft Plan	May 11, 2007	May 11, 2007		Apr 8, 2008	Nov 30, 2007	Oct 30, 2007	<i>Nov 13, 2009</i>
	Final Integrated Review Plan	Aug 2007	Sept 2007		Aug 2008	Mar 2008	Dec 2007	Dec 2009
Integrated Science Assessment (ISA)	1st draft ISA	Aug 2007	Sept 2007		<u>Mar 14, 2009</u>	Dec 19, 2008	Dec 2007	Nov 2010
	CASAC/public review of 1st draft ISA	Oct 24-25, 2007	Dec 5-6, 2007		May 12-13, 2009	Apr 1-2, 2009	Apr 2-3 2008	<b>Feb 2011</b>
	2nd draft ISA	Mar 4, 2008	late May 2008		late Sept 2009	late Jul 2009	early Aug 2008	Jun 2011
	CASAC/public review of 2nd draft ISA	May 1-2, 2008	Jul 30-31, 2008		Nov 16-17, 2009	Oct 5-7, 2009	Oct 1-2, 2008	<b>Sep 2011</b>
	Final ISA	<u>Jul 11, 2008</u>	<u>Sept 12, 2008</u>		<u>Jan 29, 2010</u>	mid Dec 2009	<u>Dec 12, 2008</u>	Dec 2011
Risk/ Exposure Assessment (REA)	Draft REA scope/methods plan	Sept 2007	Oct 2007		mid Apr 2009	Late Feb 2009	Feb 2008	Jan 2011
	CASAC/public review of REA plan	Oct 2007	Dec 2007		May 12-13, 2009	Apr 1-2, 2009	Apr 2-3 2008	<b>Feb 2011</b>
	1st draft REA	Mar 2008	Jun 2008		<u>Oct 29, 2009</u>	early Sep 2009	Aug 2008	Jul 2011
	CASAC/public review of 1st draft REA	May 1-2, 2008	Jul 30-31, 2008		Nov 16-17, 2009	Oct 5-7, 2009 <sup>2</sup>	Oct 1-2, 2008	<b>Sep 2011</b>
	2nd draft REA	early Aug 2008	Mar 20, 2009		Feb 2010	Dec 2009	June 2009	Mar 2012
	CASAC/public review of 2nd draft REA	Sept 9-10, 2008 Oct 22, 2008	Apr 16-17, 2009		<b>Mar 2010</b>	<b>Mar 2010</b>	Jul 22-23, 2009	<b>May 2012</b>
	Final REA	Nov 21, 2008	July 2009		<u>May 28, 2010</u>	April 2010	Sept 2009	Sept 2012
Policy Assessment (PA)/ Rulemaking	1 <sup>st</sup> draft PA				Feb 2010	Feb 2010	late Feb 2010	Aug 2011
	CASAC/public review of 1 <sup>st</sup> draft PA				<b>Mar 2010</b>	<b>Mar 2010</b>	early Apr 2010	<b>Sep 2011</b>
	2 <sup>nd</sup> draft PA					late Apr 2010	late July 2010	Apr 2012
	CASAC/public review of 2 <sup>nd</sup> draft PA					<i>late May 2010</i>	<i>early Sept 2010</i>	<i>May 2012</i>
	Final PA				May 2010	July 2010	late Nov 2010	Oct 2012
	CASAC/AAMM meeting on monitoring issues				Jul - Sept 2010	<i>Feb 11, 2009<sup>3</sup></i> <i>Jan/Feb 2010<sup>4</sup></i>		<i>Feb 10, 2009<sup>5</sup></i>
	Proposed rulemaking	<u>Jun 26, 2009</u>	<u>Nov 16, 2009</u>	Dec 21, 2009 <sup>5</sup>	<u>Oct 28, 2010</u>	late Nov 2010	Jul 12, 2011	May 2013
	Final rulemaking	<u>Jan 22, 2010</u>	<u>Jun 2, 2010</u>	Aug 31, 2010	<u>May 13, 2011</u>	late Jul 2011	<u>Mar 20, 2012</u>	Feb 2014

<sup>1</sup> NOTES: Underlined dates indicate court-ordered or settlement agreement deadlines. Future CASAC meeting dates in **bold**; dates in italics are planned as teleconferences.

<sup>2</sup> CASAC meeting included discussion of preliminary draft PA

<sup>3</sup> CASAC Ambient Air Monitoring Methods (AAMM) Subcommittee. Feb 10-11, 2009 meeting related to coarse particle (PM<sub>10-2.5</sub>) speciation and ozone monitoring network design

<sup>4</sup> CASAC AAMM Subcommittee meeting related to urban visibility, Jan/Feb 2010

<sup>5</sup> CASAC Ozone Panel meeting on the Dec 2009 proposed rule requested for late Jan 2010

# PM NAAQS Review

## Revised Schedule as of 11/10/09

<b>Final Integrated Science Assessment (ISA)</b>	<b>December 2009</b>
<b>2<sup>nd</sup> Draft Risk Assessment (RA) 2<sup>nd</sup> Draft Urban-Focused Visibility Assessment (UFVA)</b>	<b>December 2009</b>
<b>1<sup>st</sup> Draft Policy Assessment (PA)</b>	<b>February 2010</b>
<b>CASAC and public review of 2<sup>nd</sup> draft RA and UFVA and 1<sup>st</sup> draft PA</b>	<b>March 2010</b>
<b>Final RA and Final UFVA</b>	<b>April 2010</b>
<b>2<sup>nd</sup> draft PA</b>	<b>April 2010</b>
<b>CASAC and public review of 2<sup>nd</sup> draft PA</b>	<b>May 2010</b>
<b>Final PA</b>	<b>July 2010</b>
<b>Proposed rule</b>	<b>November 2010</b>
<b>Final Rule</b>	<b>July 2011</b>

For additional information, see [http://www.epa.gov/ttn/naaqs/standards/pm/s\\_pm\\_index.html](http://www.epa.gov/ttn/naaqs/standards/pm/s_pm_index.html)

# Indicator Alternatives being Considered by EPA

- Hourly averaged  $PM_{10}$  Light Extinction
  - purpose of this Advisory
- Hourly averaged  $PM_{2.5}$  Mass Concentration
  - Data could be provided by existing network of continuous monitors

A more complete discussion of these alternatives will be included in the PM Policy Assessment Document – to be discussed before the CASAC PM Panel in March 2010.

# Upcoming AAMMS Meetings

- Peer review of a potential new Federal Reference Method for Lead in Total Suspended Particulates (Pb-TSP)
  - May 2010
- Consultation on monitoring issues associated with the near-road network required by the NO<sub>2</sub> NAAQS Final Rule
  - August/September 2010

