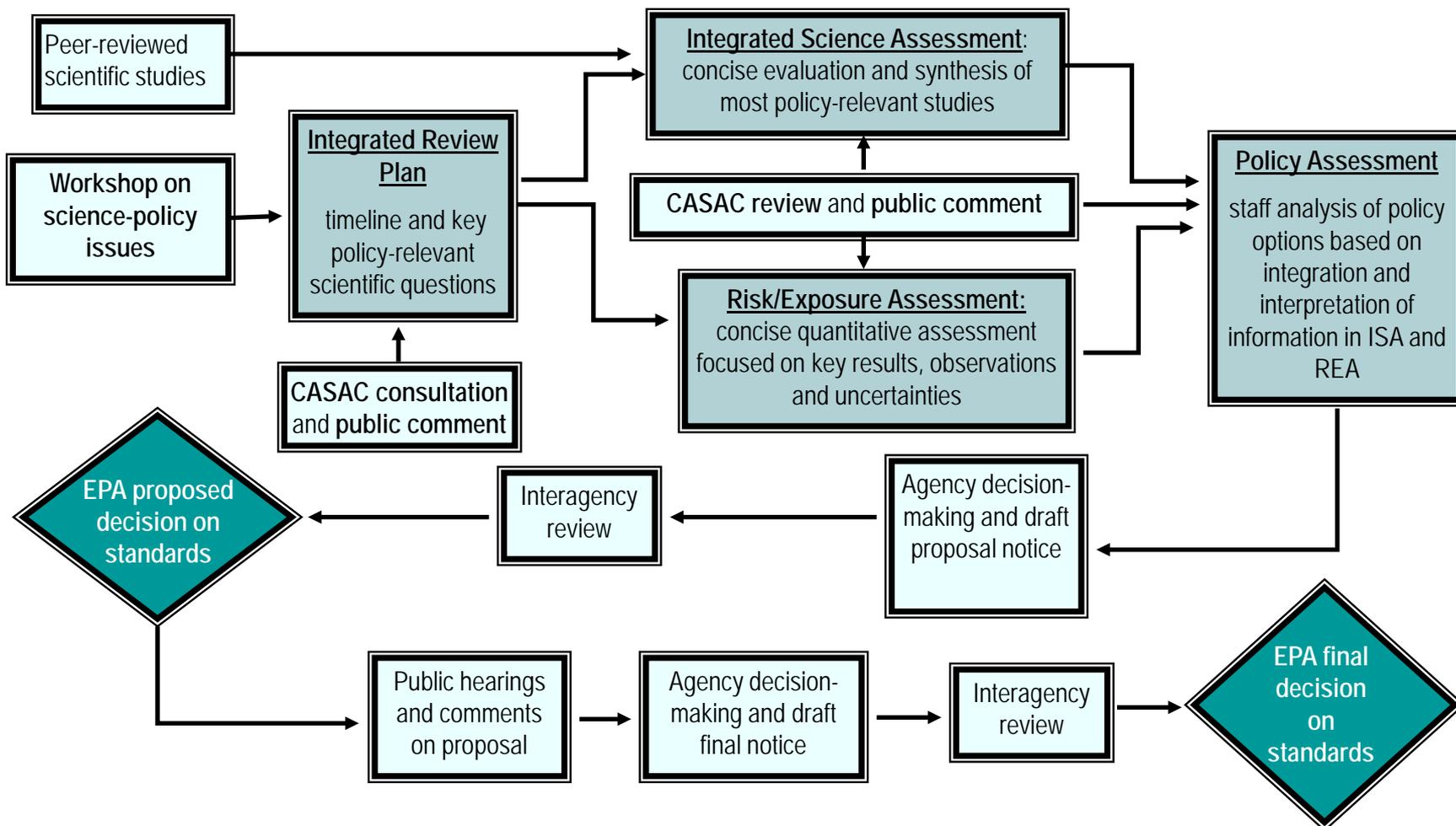


Update on National Ambient Air Quality Standards (NAAQS)

National Air Quality Conference
March 8, 2011

Susan Lyon Stone
US Environmental Protection Agency
Office of Air Quality Planning and Standards

Current NAAQS Review Process



NAAQS in 2011

- **O₃ Reconsideration** – Final decision July 2011
- **New periodic O₃ Review** – First draft ISA in March 2011
- **NO₂/SO₂ secondary standards** – Proposal July 12, 2011
- **CO** – Final decision August 12, 2011
- **PM** – Proposal in 2011
- **Lead** – Draft Plan and first draft ISA – Spring 2011
- **NO₂ and SO₂ primary standards** – Schedules under development

Ozone NAAQS Reconsideration

- Reconsideration of standards that were issued in 2008
 - To ensure they are clearly grounded in science, protect public health with an adequate margin of safety, and are sufficient to protect the environment.
- Proposal signed January 6, 2010
 - Would strengthen the level of the 8-hour primary ozone standard to a level within the range of 0.060-0.070 parts per million (ppm).
 - Would establish a distinct cumulative, seasonal secondary standard at a level in the range of 7-15 ppm-hours.
- Three public hearings and 60 day public comment period
- Final Rule to be signed by the end of July 2011

New Periodic Ozone NAAQS Review

Proposed Schedule for the New Periodic O ₃ NAAQS Review		
Stage of Review	Major Milestone	Target Dates
Integrated Review Plan (IRP)	Final IRP	March 2011
Integrated Science Assessment (ISA)	First Draft ISA	March 2011
	CASAC/Public Review of First Draft ISA	May 19-20 2011
	Second Draft ISA for CASAC/Public Review	September 2011
	Final ISA	February 2012
Risk/Exposure Assessments (REAs)	Prepare Scope and Methods Plans	April 2011
	First Draft REAs for CASAC/Public Review	October 2011
	Second Draft REAs for CASAC/Public Review	May 2012
	Final REAs	October 2012
Policy Assessment (PA)/ Rulemaking	First Draft PA for CASAC/Public Review	June 2012
	Second Draft PA for CASAC/Public Review	November 2012
	Final PA	March 2013
	Proposed Rulemaking	September 2013
	Final Rulemaking	June 2014

CO NAAQS

- On January 28, 2011, EPA proposed to retain the existing NAAQS for CO
 - EPA concludes that the current standards provide the required level of public health protection, including protection for people with heart disease, who are especially susceptible to health problems associated with exposure to CO in ambient air
- The existing primary standards are 9 parts per million (ppm) as an 8-hour average, and 35 ppm as a 1-hour average, neither to be exceeded more than once per year
- There is no secondary (welfare-based) NAAQS for CO
 - Lack of evidence of direct effects on public welfare at ambient concentrations
 - EPA is proposing that the current evidence does not provide support for establishing secondary CO standards
- Notice of proposed rulemaking was published in the FR on Feb 11, 2011
 - Public hearing was held on February 28, 2011
 - EPA will accept comments for a 60 day period, which closes on April 12, 2011
 - EPA must issue a final rule by August 12, 2011

PM NAAQS

- Integrated Science Assessment: December 2009
 - Synthesis and assessment of most policy-relevant science
- Risk/Exposure Assessments: June/July 2010
 - Focus on fine particles and did not assess risks associated with coarse particles
- Policy Assessment: Second draft released June 2010
 - Staff conclusions of broadest range of policy options supported by the available scientific evidence, quantitative assessments, and air quality analyses
- Drafts of each document have been reviewed by CASAC and the public
 - Final documents take into consideration CASAC and public comments
- Next steps:
 - Finalize Policy Assessment
 - Propose Rule with 90-day public comment period
 - Issue Final Rule

Lead NAAQS Review – Projected 2011 milestones

Date	Major Milestone
√ Feb 2010	Call for Information
√ May 2010	Kick-off science/policy Workshop
√ Dec 2010	Integrated Science Assessment (ISA) - Peer Consultation Workshop
March 2011	Draft Integrated Review Plan (IRP)
Early/mid April 2011	CASAC/consultation and public review of Draft IRP
End April 2011	1st draft ISA
May 2011	Final IRP
May 2011	Planning document regarding risk/exposure assessments (REA)
June-July 2011	CASAC/public review - 1st draft ISA and REA planning document
Dec 2011	2nd draft ISA

Contact Information

- CO and Lead: Deirdre Murphy
 - murphy.deirdre@epa.gov
 - (919) 541-0729
- PM: Beth Hassett-Sipple
 - hassett-sipple.beth@epa.gov
 - (919) 541-4605
- Ozone: Susan Lyon Stone
 - stone.susan@epa.gov
 - (919) 541-1146
- NO₂/SO₂ Secondary: Ginger Tennant
 - tennant.ginger@epa.gov
 - (919) 541 4072
- Websites:
 - For background information and regulatory actions:
<http://www.epa.gov/air/urbanair>
 - For technical information related to the current and previous NAAQS reviews:
<http://www.epa.gov/ttn/naaqs/>
 - Click on “Air Quality Standards”