

# National Ambient Air Quality Standards (NAAQS): The Review Process And Current Status

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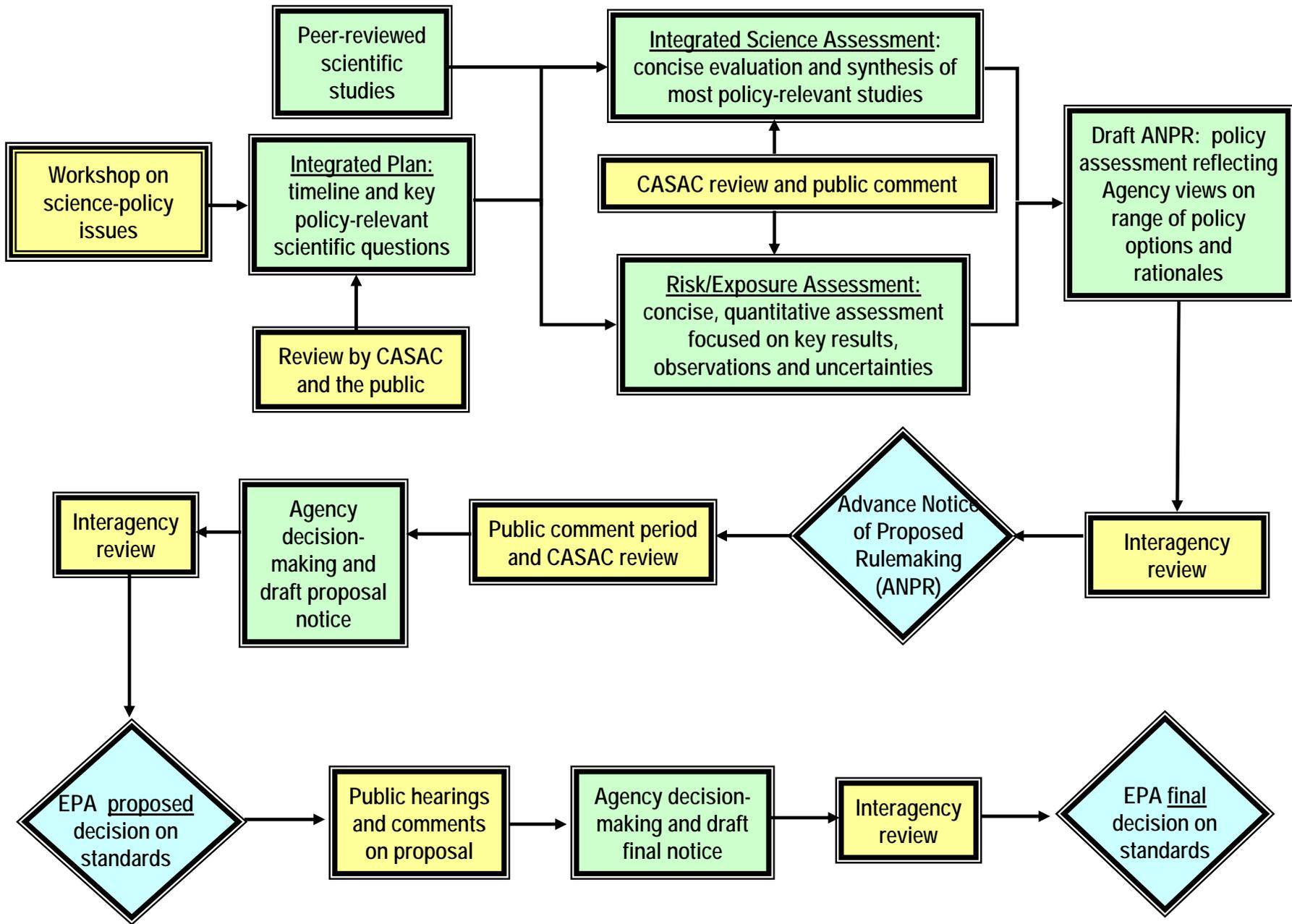
# What is a NAAQS?

- National Ambient Air Quality Standard for criteria pollutants
- Health and welfare based
- Numeric level, unit such as ppm, form such as averaging period or percentile
- Adequate margin of safety
- 1<sup>st</sup> step in CAA process – Set standard, make designations, implement

	Primary Standards		Secondary Standards	
	Level	Averaging Time	Level	Averaging Time
<b>CO</b>	<b>9 ppm</b> (10 mg/m <sup>3</sup> )	8-hour	None	
	<b>35 ppm</b> (40 mg/m <sup>3</sup> )	1-hour		
<b>Lead</b>	<b>1.5 µg/m<sup>3</sup></b>	Quarterly	Same as Primary	
<b>NO<sub>2</sub></b>	<b>0.053 ppm</b> (100 µg/m <sup>3</sup> )	Annual		
<b>PM<sub>10</sub></b>	<b>150 µg/m<sup>3</sup></b>	24-hour		
<b>PM<sub>2.5</sub></b>	<b>15.0 µg/m<sup>3</sup></b>	Annual		
	<b>35 µg/m<sup>3</sup></b>	24-hour		
<b>Ozone</b>	<b>0.075 ppm</b> (2008 std)	8-hour		
	<b>0.08 ppm</b> (1997 std)	8-hour		
	<b>0.12 ppm</b>	1-hour		
<b>SO<sub>2</sub></b>	<b>0.03 ppm</b>	Annual	<b>0.5 ppm</b> (1300 µg/m <sup>3</sup> )	3-hour
	<b>0.14 ppm</b>	24-hour		

# New NAAQS Review Process

- “Top-to-bottom” review requested by EPA Deputy Administrator Marcus Peacock, December 2005
- Internal EPA workgroup formed to address key issues and make recommendations
  - **Timeliness** (i.e., how to complete all NAAQS reviews on a 5-year cycle as required by Clean Air Act)
  - Consideration of the **most up-to-date scientific information**
  - **Distinctions between scientific and policy judgments**
  - **Characterization of uncertainties** in scientific and technical information
  - Took CASAC and public input
- PM is first NAAQS review to completely follow new process



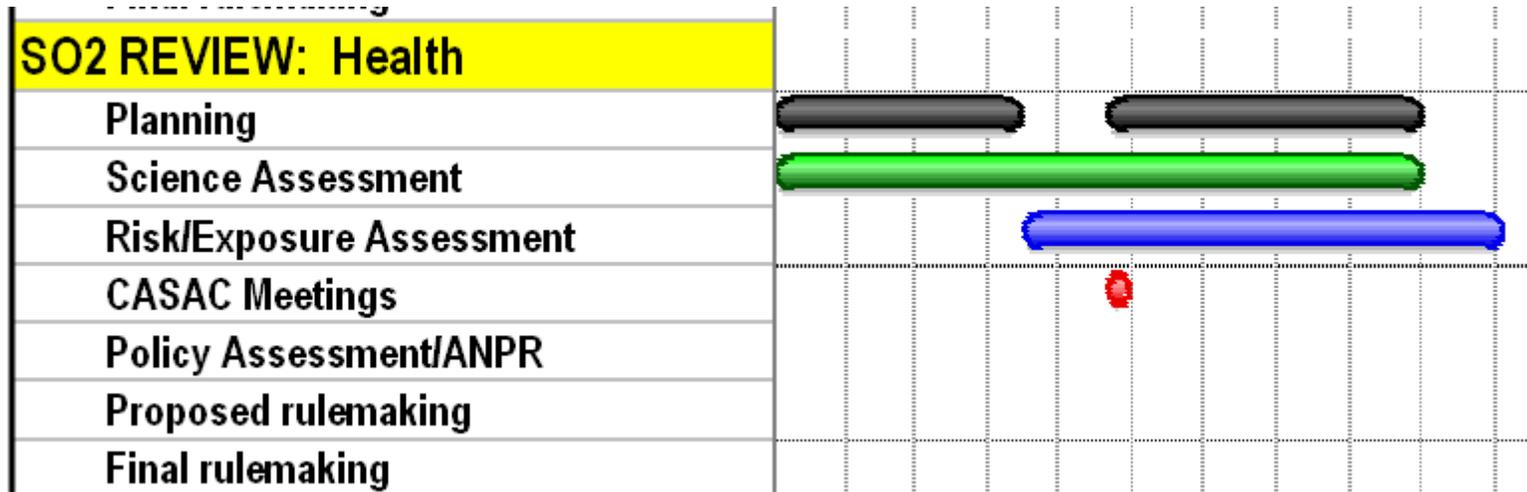
# Ongoing NAAQS Reviews: Schedules

as of 7/1/08

MILESTONE	POLLUTANT						
	Ozone	Lead	NO <sub>2</sub> Primary	SO <sub>2</sub> Primary	NO <sub>2</sub> /SO <sub>2</sub> Secondary	PM	CO
NPR	<u>Jun 20, 2007</u>	<u>May 1, 2008</u>	<u>May 28, 2009</u>	<u>Jul 30, 2009</u>	<u>Feb 12, 2010</u>	Jan 2011	Oct 2011
NFR	<u>Mar 12, 2008</u>	<u>Oct 15, 2008</u>	<u>Dec 18, 2009</u>	<u>Mar 2, 2010</u>	<u>Oct 19, 2010</u>	Oct 2011	Jul 2012

Note: Underlined dates indicate court-ordered or settlement agreement deadlines.

# Gantt Chart





# Along with the NAAQS...

- EPA issues guidance/rules on:
  - Monitoring
  - Data handling (e.g., exceptional events)
  - Modeling
- Schedules in CAA sections 107 and 110 for designations, SIP submittal, EPA rulemaking, attainment

# EPA's NAAQS Homepage

...is on our Technology Transfer  
Network:

<http://www.epa.gov/ttn/naaqs/>

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