



SACRAMENTO REGION STATE IMPLEMENTATION PLAN UPDATE

**PCAPCD Board Meeting
February 11th, 2021**



WHAT IS "SIP"?

State Implementation Plan



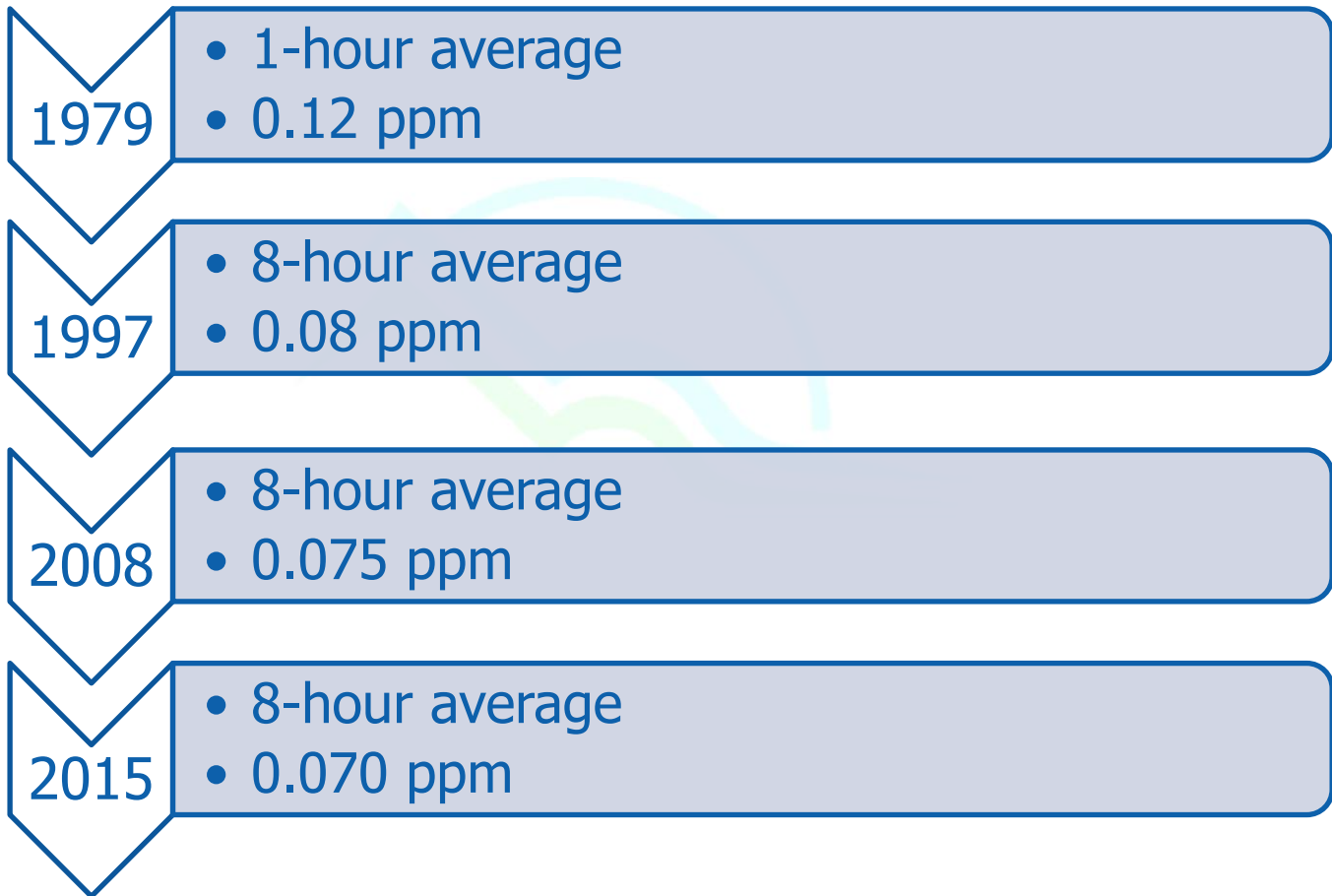
Federally required air quality plan for NAAQS

Developed by state or local air quality agencies

Demonstration plan for attainment of NAAQS



FEDERAL OZONE STANDARD



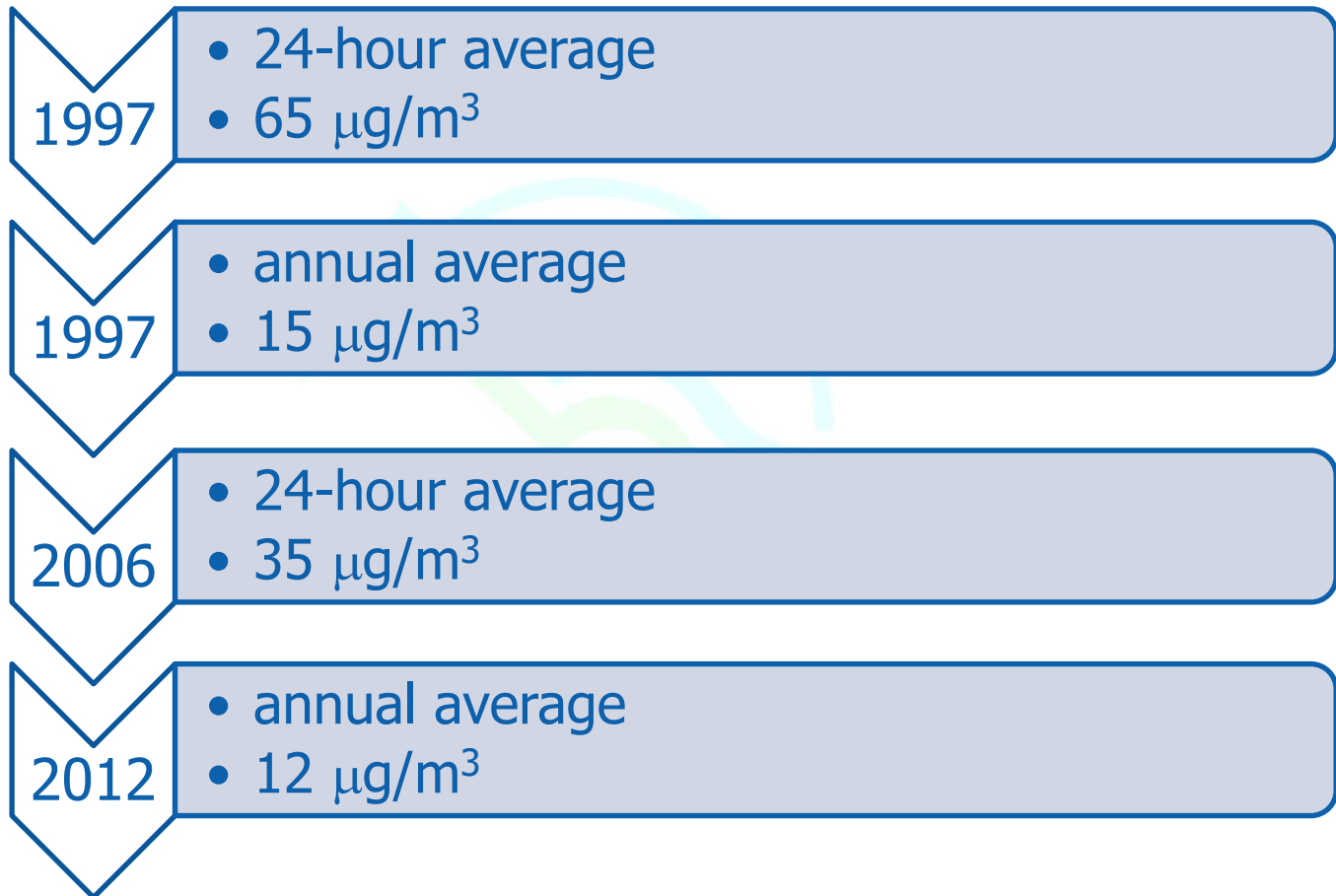


CLASSIFICATION FOR 2015 STANDARD

Marginal	<ul style="list-style-type: none">• 0.071 ~ 0.081 ppm• 3 years
Moderate	<ul style="list-style-type: none">• 0.081 ~ 0.093 ppm• 6 years
Serious	<ul style="list-style-type: none">• 0.093 ~ 0.105 ppm• 9 years
Severe-15	<ul style="list-style-type: none">• 0.105 ~ 0.111 ppm• 15 years
Severe-17	<ul style="list-style-type: none">• 0.111 ~ 0.163 ppm• 17 years
Extreme	<ul style="list-style-type: none">• 0.163 ppm ~• 21 years



FEDERAL PM_{2.5} STANDARD





IF STANDARD NOT MET...

A “Finding of Failure” could be issued by U.S. EPA to a nonattainment area...

Section 185 Fee Program

Emission Offset Sanction (18 months)

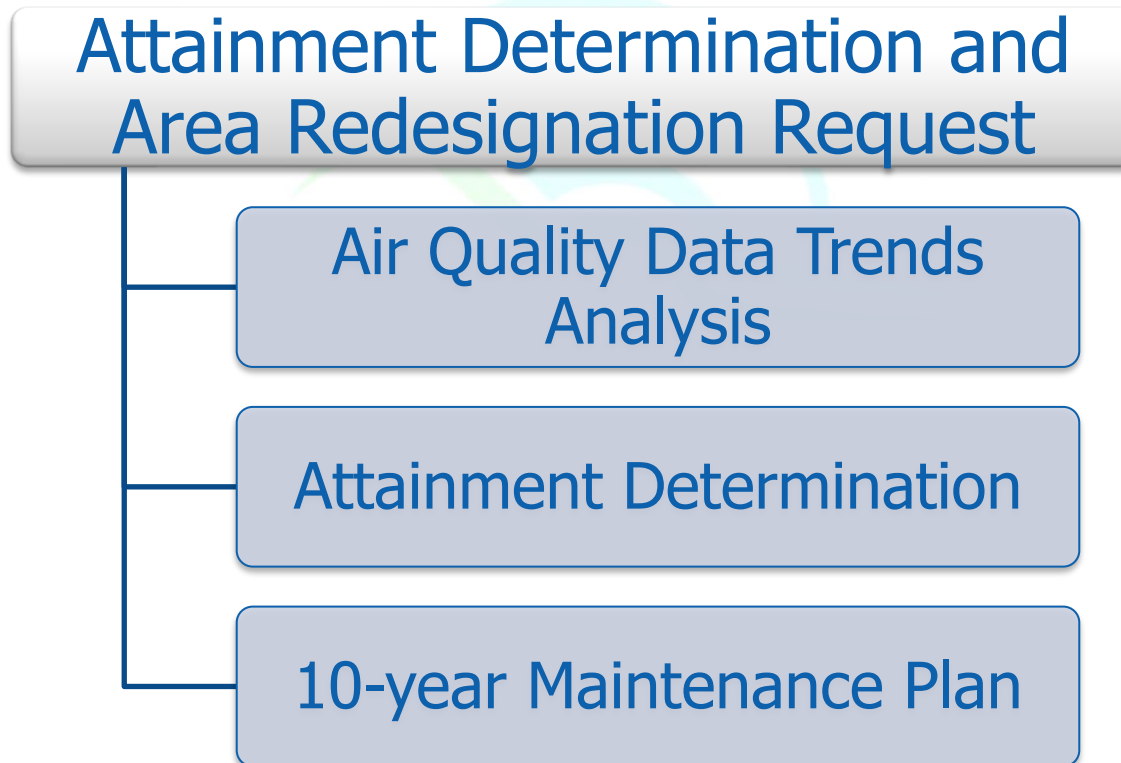
Federal Highway Fund Sanction (24 months)

Federal Implementation Plan (24 months)



IF STANDARD MET...

A “Clean Data Finding” will be issued by U.S. EPA to a nonattainment area...

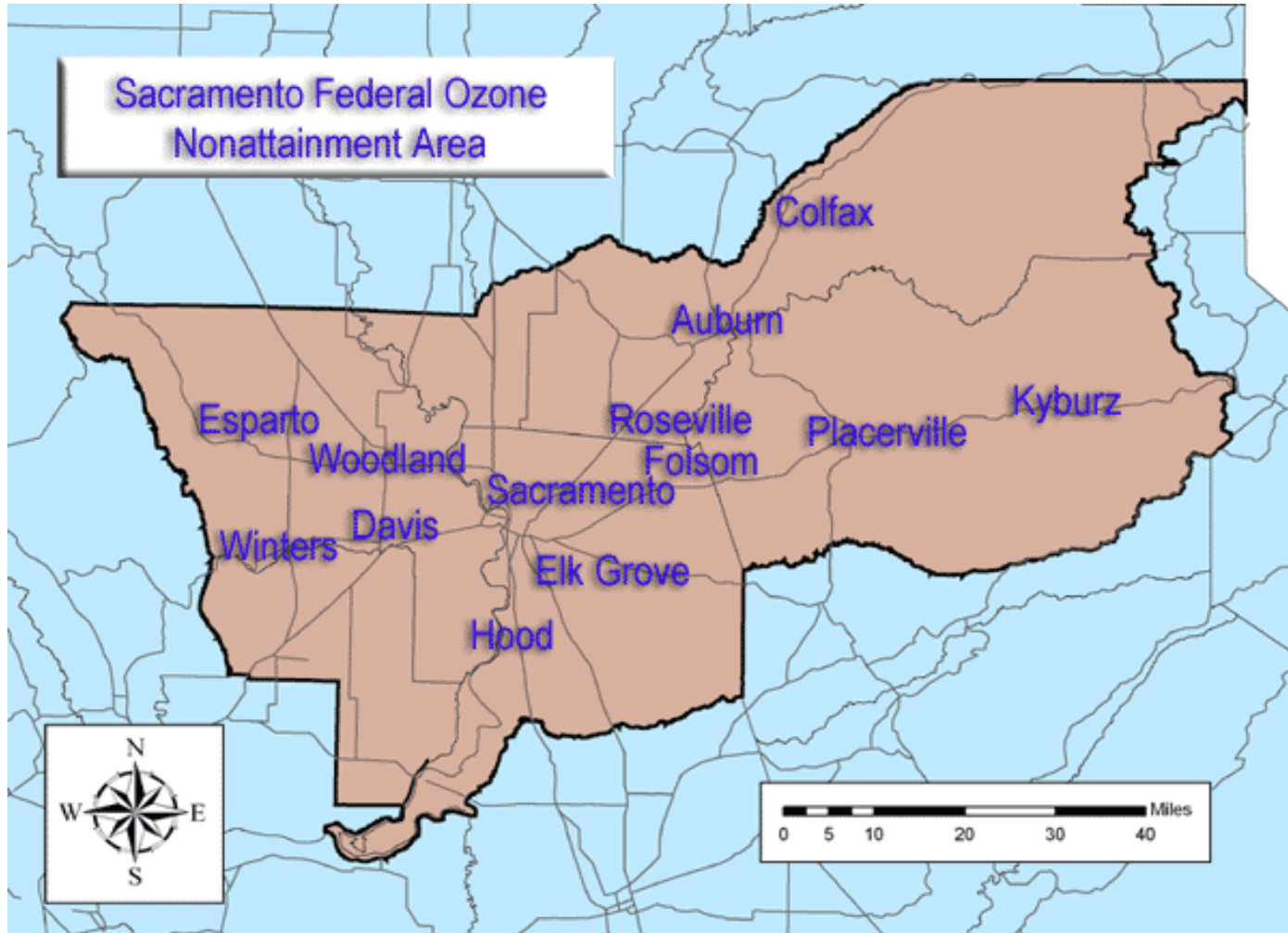




SACRAMENTO FEDERAL NONATTAINMENT AREA (SFNA)



SFNA FOR OZONE STANDARDS





CLASSIFICATIONS FOR SFNA

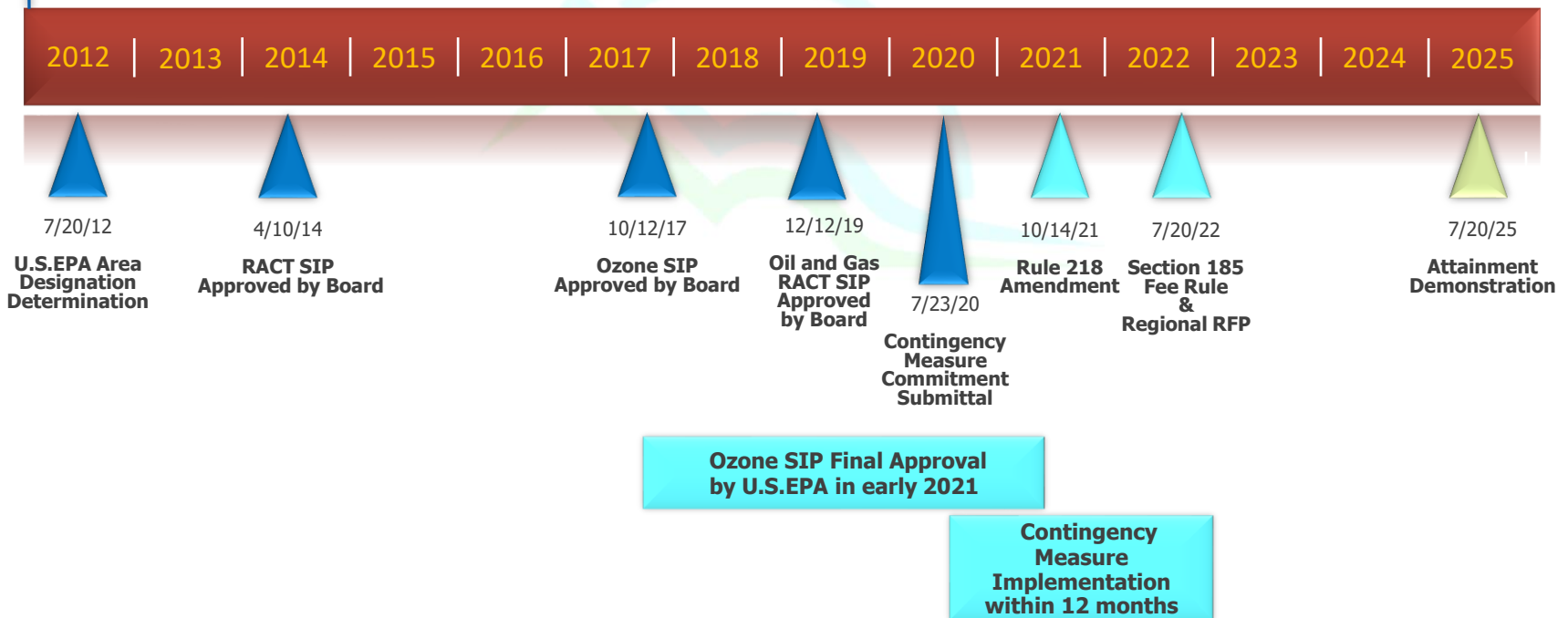
	1979 1-hour standard (0.12 ppm)	1997 8-hour standard (0.08 ppm)	2008 8-hour standard (0.075 ppm)	2015 8-hour standard (0.070 ppm)
Classification	Severe-15	Severe-15	Severe-15	Moderate
Attainment Deadline	11/15/2005	6/15/2019	7/20/2025	8/4/2024
U.S. EPA Clean Data Finding	10/18/2012	TBD	Not Yet	Not Yet



UPDATE FOR 2008 OZONE STANDARD

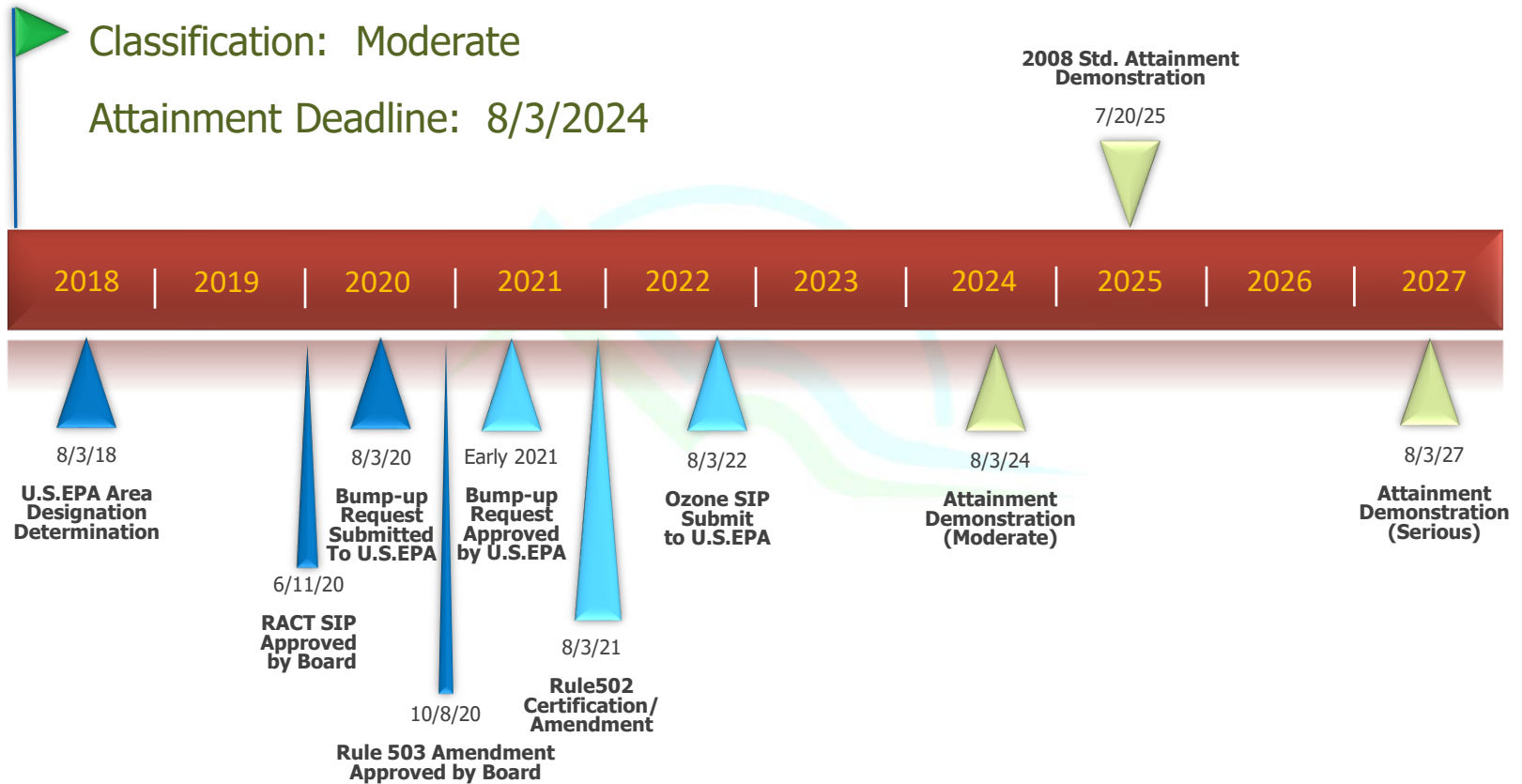
Classification: Severe-15

Attainment Deadline: 7/20/2025





UPDATE FOR 2015 OZONE STANDARD



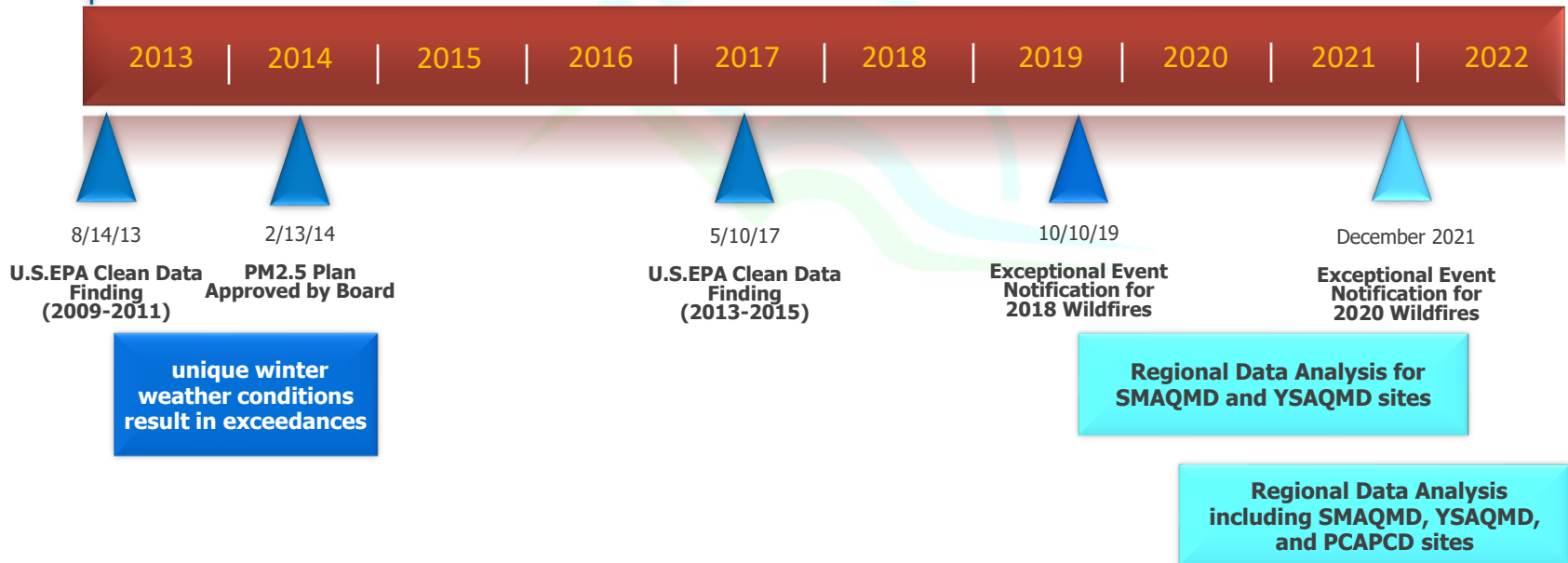


UPDATE FOR 2006 PM2.5 STANDARD



Non-Attainment Designation by U.S.EPA: 12/14/2009

Attainment Deadline: 12/14/2014





EXCEPTIONAL EVENT

An unusual or natural event that would affect air quality but not reasonably controllable...

Types of exceptional events

Wildfire & Prescribed Fire Events

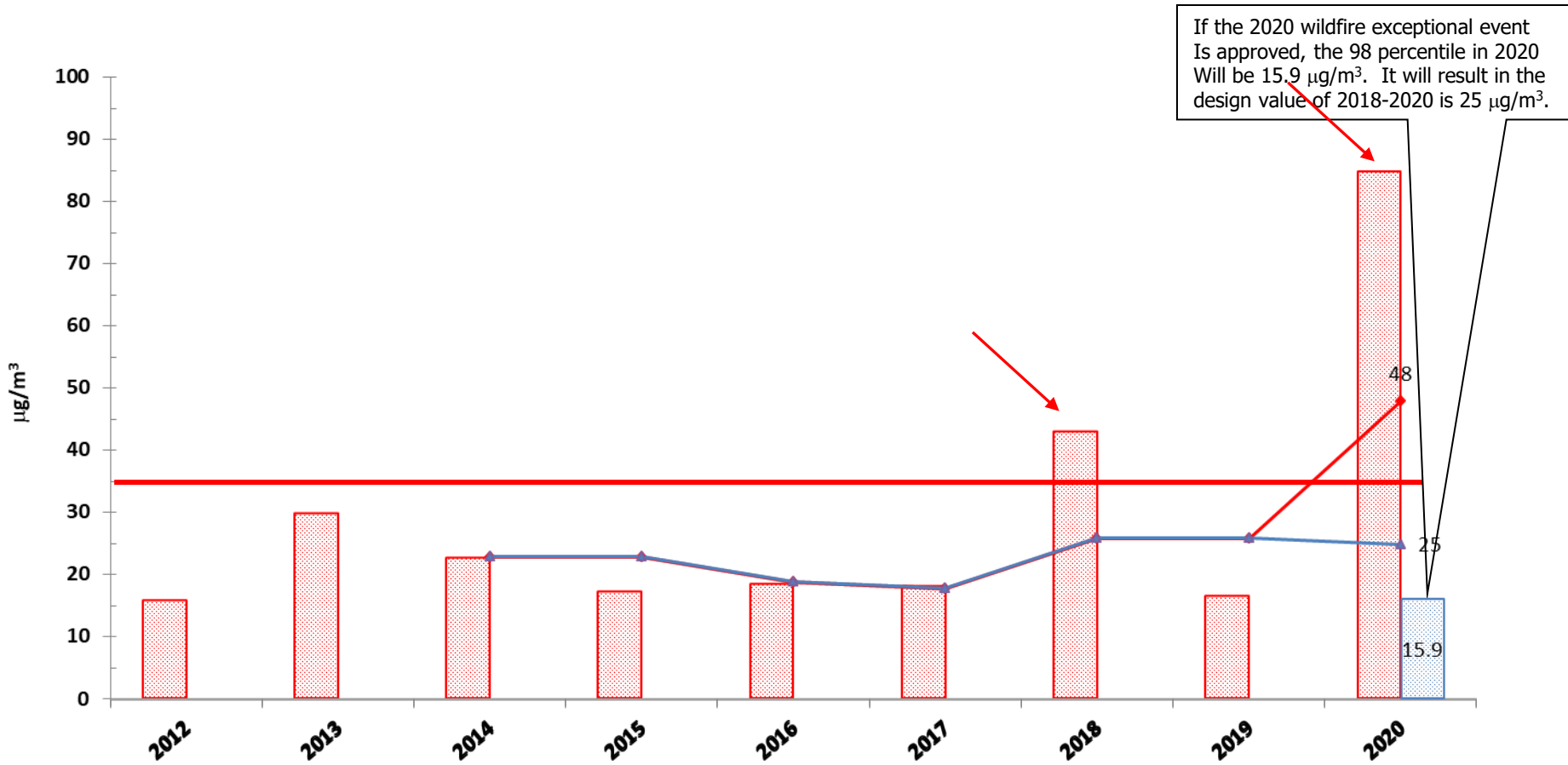
High Wind Dust Events

Volcanic & Seismic Events

Exceptional event demonstration is needed when it would affect regulatory decision...



EXCEPTIONAL EVENT DEMONSTRATION FOR PM2.5





ATTAINMENT STATUS FOR SFNA

	1997 Ozone 8-hour standard (0.08 ppm)	2008 Ozone 8-hour standard (0.075 ppm)	2015 Ozone 8-hour standard (0.070 ppm)	2006 PM2.5 24-hr standard (35 $\mu\text{g}/\text{m}^3$)
Classification	Severe-15	Severe-15	Serious	N/A
Attainment Deadline	6/15/2019	7/20/2025	8/3/2027	12/14/2014
U.S. EPA Clean Data Finding	Tentatively in 2022/23	Not Yet	Not Yet	Tentatively in 2022/23

Based on 3-year
data (2019-2021)

Pending on
Reclassification
approval by EPA

Based on 3-year
data (2018-2020)



COMING WORK IN 2021...

Rule 502 Certification/Amendment (2015 ozone standard)

- Schedule in June Board meeting, submit to U.S.EPA before 8/3/21

Rule 218 Amendment (2008 ozone standard)

- Schedule in October Board meeting, adopt it for the contingency measure commitment

Exceptional Event Demonstration (2006 PM2.5 standard)

- Work with the other SFNA districts to prepare the notification and data analysis for the 2020 wildfire impact to U.S.EPA

Ozone SIP Preparation (2015 ozone standard)

- Work with the other SFNA districts and CARB to conduct the modeling analysis and control measure evaluation



QUESTIONS?