

EPA Region 6

*Air and Radiation Division
Region 6 Dallas*

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March 2019



Overview of Priorities

- National Ambient Air Quality Standards
- Revoked Ozone Standards
- 2008 and 2015 Ozone Standards
- SIPs
- Regional Haze
- Sulfur Dioxide Nonattainment
- Ethylene Oxide



EPA Region 6 Status for National Ambient Air Quality Standards

NAAQS	State				
	AR	LA	NM	OK	TX
1979 Ozone (124 ppb)	Revoked	Revoked	Revoked	Revoked	Revoked Redesignation Substitute: DFW and Houston
1997 Ozone (84 ppb)	Revoked	Revoked	Revoked	Revoked	Revoked Redesignation Substitute: DFW and Houston
2008 Ozone (75 ppb)	Attainment	Attainment	Attainment	Attainment	Nonattainment: DFW and Houston
2015 Ozone (70 ppb)	Attainment	Attainment	Nonattainment: Doña Ana County (partial)	Attainment	Nonattainment: DFW, Houston, San Antonio.
SO2	Attainment	Nonattainment: St. Bernard & Evangeline (partial) Designations not completed	Attainment	Designations not completed	Nonattainment: Titus, Rusk, Panola, Freestone, & Anderson (partial). Designations not completed
Lead	Attainment				
NO2	Attainment				
PM2.5	Attainment				



Revoked Ozone Standards: 1979 1-Hour (124 ppb) and 1997 8-hour (84 ppb)

- 2018 D.C. Circuit Court *South Coast II Decision*:
 - Need 2nd 10-year maintenance plans for 1997 ozone standard for Beaumont/Port Arthur, West Memphis, Baton Rouge
 - Replace Houston and Dallas redesignation substitutes
- Texas redesignation requests/maintenance plans for revoked ozone standards:
 - Houston submitted December 2018
 - Beaumont/Port Arthur submitted February 2019
 - Dallas adoption scheduled for March 2019
 - El Paso adoption scheduled for April 2019



2008 8-Hour Standard (75 ppb)

- EPA proposed to reclassify Houston and Dallas to “Serious”
 - Final rule expected in Spring 2019
 - New attainment deadline of July 20, 2021 (2018-2020 data)
 - Final rule will set deadline for SIP submittals
- 2016-2018 Preliminary Design Values
 - Houston: 78 ppb
 - Dallas: 76 ppb



2015 Ozone Standard (70 ppb)

- Four “Marginal” nonattainment areas
- 2016-2018 Preliminary Design Values
 - Houston: 78 ppb
 - Dallas: 76 ppb
 - San Antonio: 72 ppb
 - Sunland Park, NM: 74 ppb
- Marginal Attainment Deadlines (2018-2020 data)
 - Houston, Dallas and Sunland Park: August 3, 2121
 - San Antonio: September 24, 2021



2015 Ozone Standard (cont.)

- SIP Revisions Due

2020

- Emissions Inventory of Ozone Precursors (NO_x and VOC)
- Confirmation that large stationary sources certify their emission report

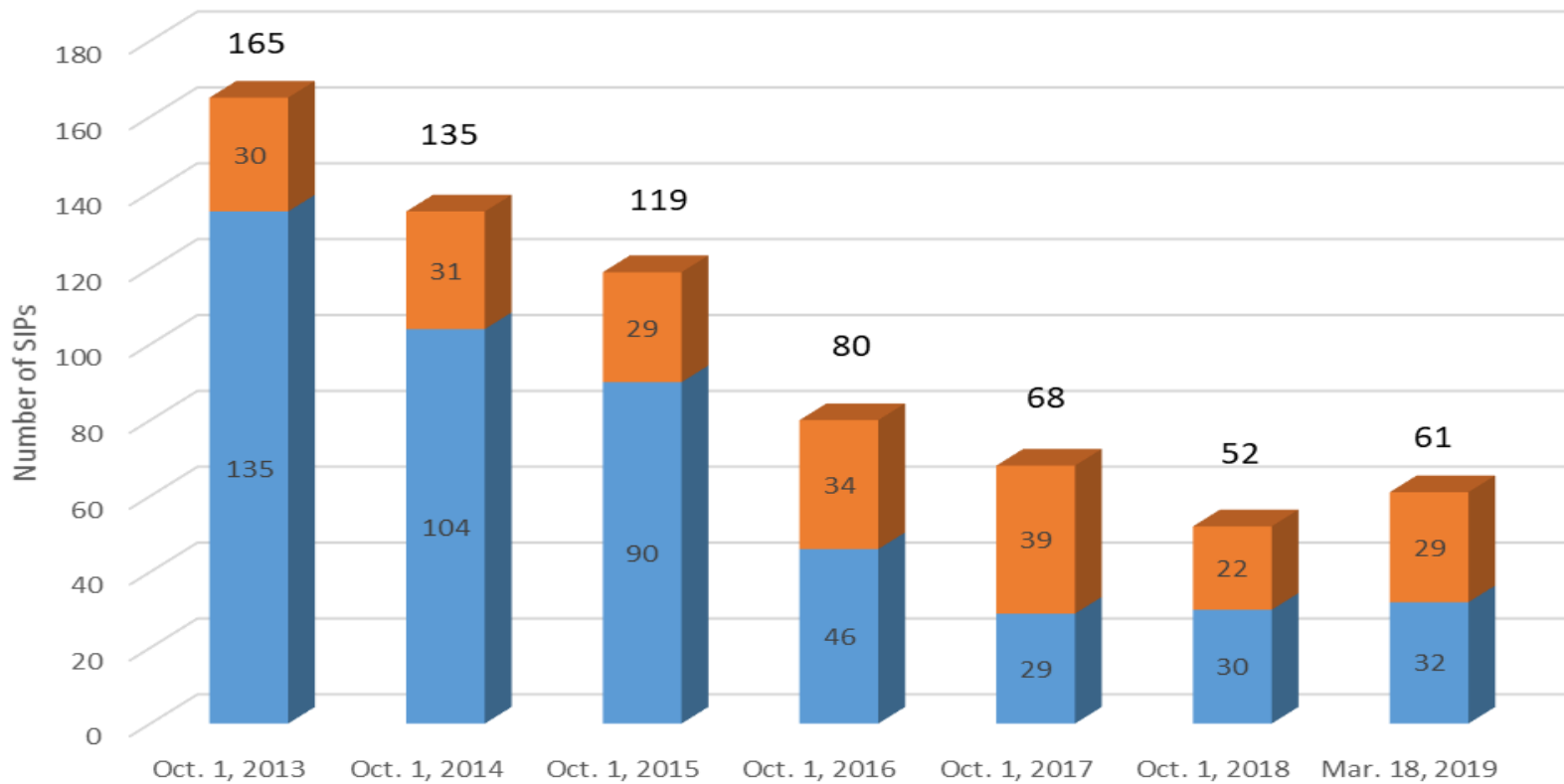
2021

- Confirmation that Nonattainment New Source Review provisions are met

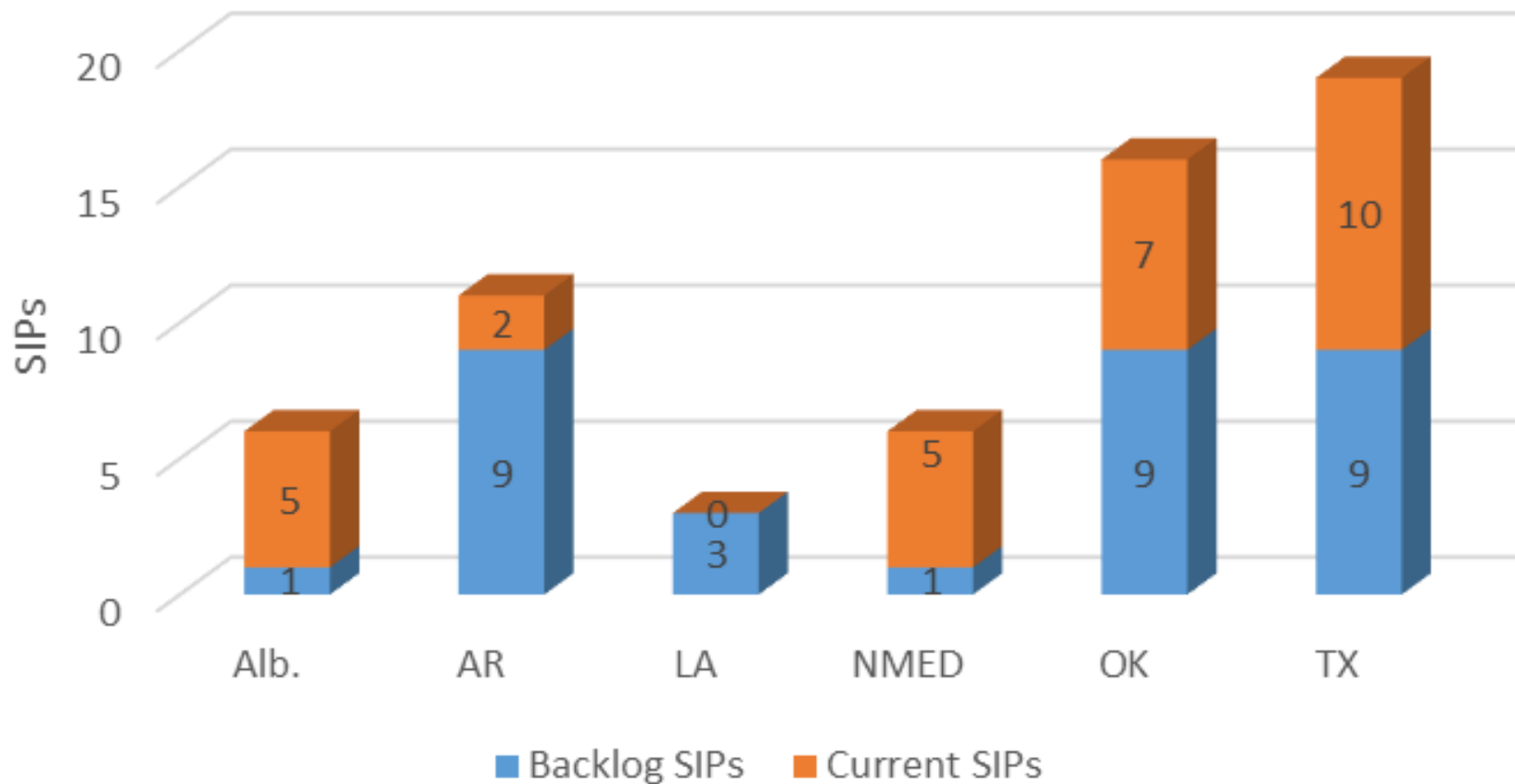


R6 Air Program FY2019 Total SIPs In-House Current & Backlog

■ Backlog SIPs ■ Current SIPs



Region 6 SIPs to be Processed (Mar. 18, 2019)



Regional Haze – 1st Round

Arkansas: Partial approved SIP and partial FIP

Louisiana: Fully approved SIP

Oklahoma: Partial approved SIP and partial FIP

New Mexico: Fully approved SIP

Texas: Partial approved SIP and partial FIP; August 2018 proposal to affirm SIP approval and FIP promulgation



Regional Haze– 2nd Round

- January 2017 -- revised the Regional Haze Rule for the second implementation period and beyond.
- Summer 2019 -- guidance
- Regional Planning Offices (CENSARA, WRAP, MARAMA) and some states are conducting early modeling and other planning activities.
- July 2021 -- SIPs are due for the second implementation period ending in 2028.



Sulfur Dioxide Designations

Nonattainment or Unclassifiable Designations:

- Round 1 July 2013: St. Bernard Parish, LA nonattainment
- Round 2 June & November 2016:
 - Independence County, AR, Unclassifiable*
**redesignated Attainment/Unclassifiable published 3/13/19, effective 4/12/19*
 - Calcasieu Parish, LA, Unclassifiable
 - Freestone & Anderson Counties, TX, Nonattainment, partial county areas
 - Titus County, TX, Nonattainment, partial county area
 - Rusk & Panola Counties, Nonattainment, partial county areas
 - Milam County, Unclassifiable
 - Potter County, Unclassifiable
- Round 3. December 2017:
 - Evangeline Parish, LA, Nonattainment
 - St. Mary's Parish, Unclassifiable
- Round 4 designations by December 2020 (2017-2019 data)



Dates for SO₂ Nonattainment and Attainment SIPs

<u>DESIGNATION</u>	<u>NONATTAINMENT SIPs DUE</u>	<u>ATTAINMENT DATE</u>
Round 1	April 2015	October 2018
Round 2	March 2018	September 2021
Round 3	August/September 2019	February/March 2023
Round 4	September 2022	March 2026



2014 National Air Toxics Assessment

Ethylene Oxide: Two-Pronged Approach

- EPA is reviewing its regulations for facilities that emit ethylene oxide, to include:
 - air toxics emissions standards for miscellaneous organic chemical manufacturing facilities
 - rules for other types of facilities, beginning with emissions standards for commercial sterilizers
- Regions will evaluate interim steps to reduce emissions ethylene oxide

<https://www.epa.gov/ethylene-oxide>

