



2021 Arizona Regional Haze SIP Revision 5th Stakeholder Meeting

March 23rd, 2020

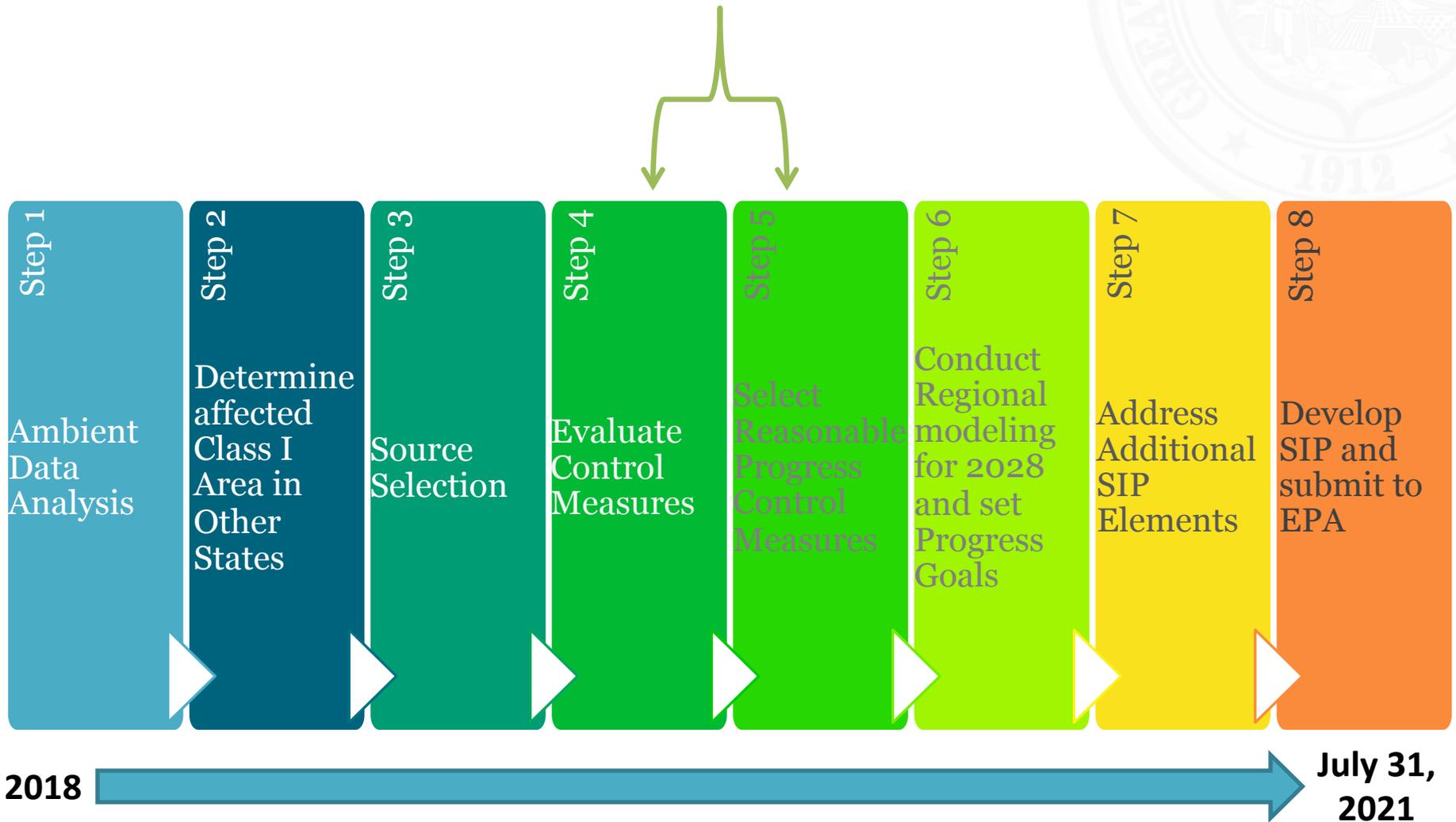


Stakeholder Values	Design Principles
Reasonable progress toward visibility goals	Develop a control strategy that ensures continued progress towards State visibility goals.
EPA approval of SIP	Involve EPA early and often in development cycles for controls and SIP revision.
Produce accurate modeling	Perform model evaluation and calibration using the most recent, complete, and accurate datasets available.
Consider visibility improvement as focus of control analysis	When developing a control analysis methodology, evaluate visibility as a potential screening and/or reasonable progress consideration.
Follow the goals of the Regional Haze roadmap	Where reasonable, ensure the State process is in-line with EPA's recommendations.
Take credit for existing programs	Include existing controls and emission reduction programs in modeling and control analysis.
Affordability for industry and general public	Collect stakeholder feedback on and evaluate the cost of controls during the control analysis. Choose those controls that balance environmental benefit with cost.
Account for international transport	Evaluate available modeled international impacts and attempt to account for transport in visibility analysis.
Cost equity between sources	Stakeholders to lead conversations considering cost equity.
Reach out to sources for future emissions projections	Allow stakeholders ability to evaluate projected emissions and methodologies and provide feedback.

- Control Analysis – 4 Factor Analysis
- Modeling Efforts
- Timeline



We Are Here



Control Analysis – Point Sources

Facility	Emission Processes Evaluated
ASARCO – Mission Complex	Hauling & Grading
ASARCO – Ray Complex	Hauling, Blasting, Vehicular Travel, Wind Erosion, & Dozing
CalPortland – Rillito Cement Plant	Materials Transport & Handling, Wind Erosion, Vehicular Traffic, & Blasting
Drake Cement	One Kiln
EPNG – Williams Compressor Station	Three Engines & One Turbine
EPNG – Willcox Compressor Station	Two Turbines
Freeport-McMoRan – Morenci Mine	Vehicular Travel & Material Handling
Freeport McMoRan – Sierrita Mine	Vehicular Travel, Wind Erosion, Blasting, & Material Handling
Phoenix Cement – Clarkdale Plant	Materials Handling & Storage, Blasting, Vehicular Traffic
TEP– Springerville Generating Station	Four Boilers
TEP– Sundt Generating Station	One Boiler

Point Source Coordination

July 2019

- Sources notification

Sept 2019

- Identification of processes for control analysis

Dec 2019

- Source control analysis submittal

Feb–Aug 2020

- DEQ/source coordination

Aug 2020

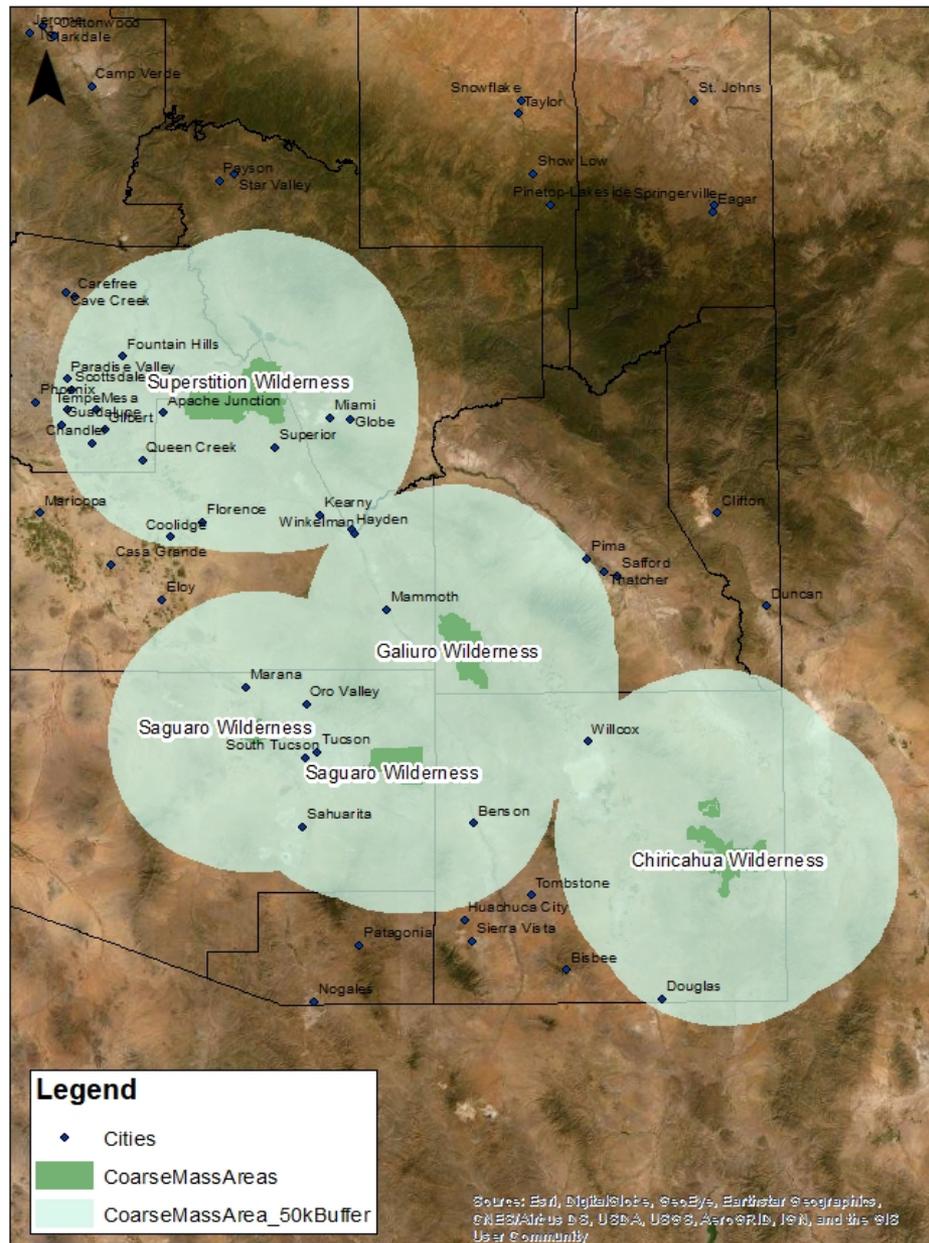
- Control Analysis finalization

Nonpoint Source Sectors

Source Sector	SCC	2014 Emissions (tpy)			
		NO _x	PM ₁₀	SO ₂	Q
Non-Residential Construction Dust	2311020000	0	15,536	0	15,536
Mining & Quarrying	2325000000	0	44,753	0	44,753
Paved Road Dust	2294000000	0	14,501	0	14,501
Unpaved Road Dust	2296000000	0	107,924	0	107,924

- Reported 2014 emissions are within those counties surrounding Class I areas with coarse mass impacts.
- Due to delayed monitoring data finalization, ADEQ is not considering potential nonpoint source impacts on or control requirements around the Sycamore Canyon monitor in this round of Regional Haze planning.

Nonpoint Control Evaluation Areas



Due to distance from the monitor and a lack of nonpoint sources within the 50km buffer zones, ADEQ has determined evaluation of controls for Greenlee and Santa Cruz Counties is unnecessary.

Nonpoint Source Coordination

Apr '19

- Six sectors presented based on Q analysis

Aug '19

- Four sectors identified for control analysis

Sept '19

- Sector specific stakeholder meetings

Oct –
Mar '20

- DEQ literature analysis

Mar -
Aug '20

- DEQ & sectors coordinate

Aug '20

- Finalize control analysis

Upcoming Project Milestones

Planning Task	End Date	Tentative Stakeholder Feedback Deadline	Stakeholder Input
2028 Modeling Sensitivity Run	Mar 16 th , 2020	--	--
Control Measure Finalization	Aug 2020	Aug 2020	Facility emission, control information, & general stakeholder feedback
2028 Control Scenario Modeling	Q1 2021	Q4 2020	Modeling Inputs
File NPRM with Secretary of State	Feb 2021	Jan 2021	Feedback on rule language and structure
Finalize NFRM & SIP Public Comment	May 2021	April 2021	Feedback on rule language and structure

ADEQ commits to continued consultation and coordination with Federal Land Managers, surrounding States, and EPA to meet SIP consultation requirements.

Additionally, ADEQ commits to continued general stakeholder coordination throughout the planning process.

Thank you

Questions?

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ADEQ RH 2021 Planning Webpage - <http://www.azdeq.gov/2021-regional-haze-sip-planning>

