

Air Toxics Science Advisory Committee Meeting #4: Preparation Meeting for TRV Proposals

Cleaner Air Oregon Program

January 15, 2025
Virtual Meeting

Zoom Webinar

- Only panelists have ability to speak
- We are recording, will be available on ATSSAC website
- Closed captioning available
- Chat disabled, Q&A disabled

Agenda

- Welcome
- Background
- Technical Review Updates
- Break
- ATSAC Document Review
- ATSAC Workbook Review
- Next Steps and ATSAC Feedback

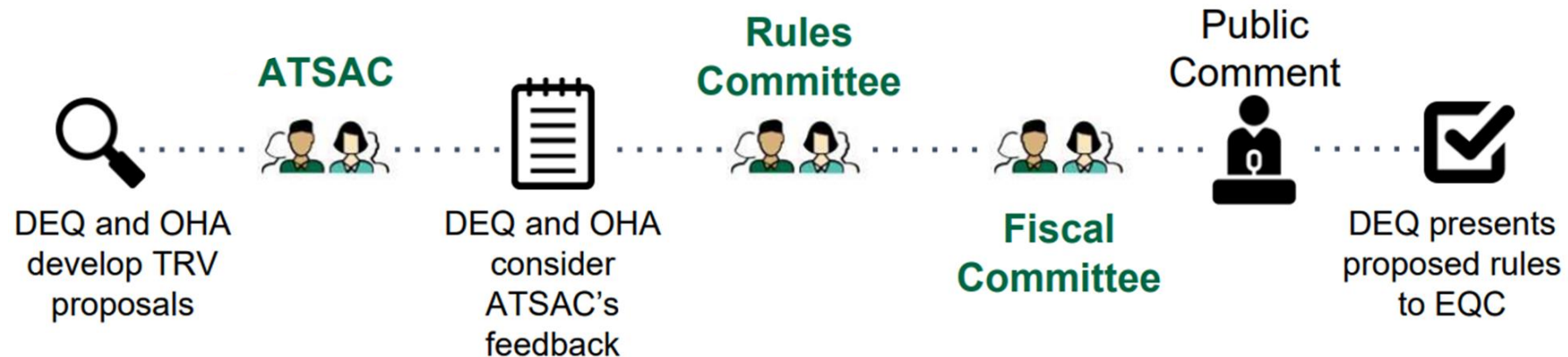
TRV Review Background

Cleaner Air Oregon Program

Holly Dixon, PhD
Oregon Health Authority
Public Health Toxicologist

TRV Review and Update Rulemaking

Oregon DEQ and Oregon Health Authority (OHA) are currently reviewing the inhalation TRVs used in DEQ's air quality programs



Authoritative Sources

Authoritative sources are listed in Oregon Administrative Rule, OAR 340-247-0030

- U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency (EPA)
- California Environmental Protection Agency (CalEPA)
- Oregon DEQ in consultation with the Air Toxics Science Advisory Committee (ATSAC)



ATSAC's Role

- Advise DEQ and OHA on development of TRVs
- Review and provide feedback on TRVs proposed by DEQ
- Recognize scientific uncertainties and development of new information in the field related to DEQ's TRVs

Previous ATSAC Meetings

ATSAC Meetings	Date	Highlights
Meeting #1 ATSAC Orientation	10-17-2022	<ul style="list-style-type: none">• DEQ and OHA shared information about DEQ's air quality regulatory program, TRV definitions, and purpose of the ATSAC
Meeting #2 TRV Selection Process	1-20-2023	<ul style="list-style-type: none">• ATSAC provided feedback on DEQ's and OHA's plan for reviewing and updating TRVs• DEQ and OHA made changes to the review process in response to ATSAC feedback (<i>Updates to the TRV Update and Selection Process</i>)
Meeting #3 Manganese	4-3-2024	<ul style="list-style-type: none">• DEQ and OHA gathered feedback from the ATSAC on a petition to change DEQ's manganese TRV for acute exposure.• DEQ and OHA integrated ATSAC's feedback into DEQ's proposal for this TRV (<i>DEQ Manganese Acute TRV Proposal Memorandum, July 2024</i>)

Current Series of ATSAC Meetings

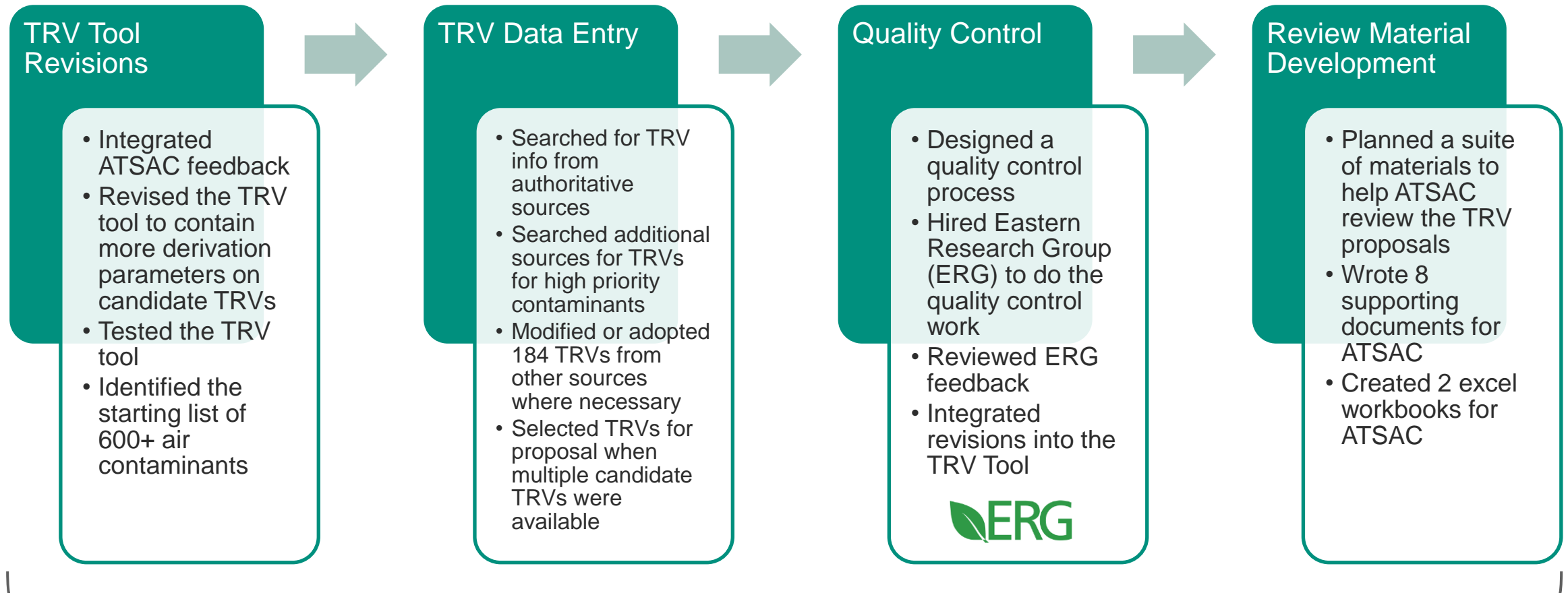
ATSAC Meetings	Date	Plan
Meeting #4 Preparation Meeting for TRV Proposals	1-15-2025	<ul style="list-style-type: none">• Introduce ATSAC to all the TRV update materials to review before meetings #5-8
Meetings #5, 6, and 7 TRV Proposals	2-10-2025 & 2-11-2025 & 2-19-2025	<ul style="list-style-type: none">• ATSAC members will discuss the overall TRV update process as well as specific TRV proposals
Meeting #8 Additional TRV Topics	To Be Scheduled for Early March	<ul style="list-style-type: none">• This meeting may not be needed.• This time is reserved for agenda items that did not get covered in meetings #5-7, and/or if ATSAC members bring up topics that require additional discussion.

Today's Meeting

- DEQ and OHA will share an overview of the agency's work on the TRV review project.
- You will see the materials that the agency's prepared for you to review.
- You can ask initial clarifying questions.

Technical Review Updates

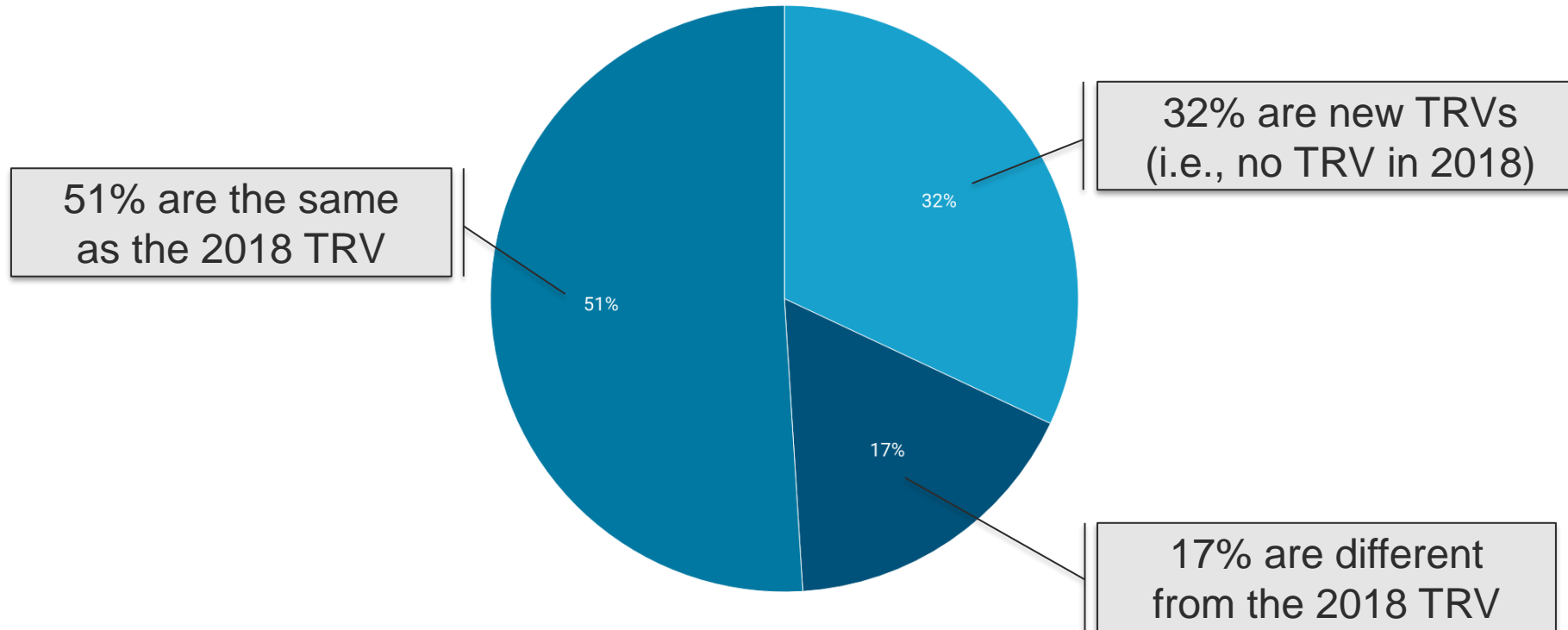
Technical Buckets of TRV Review Work in 2023 & 2024



Process Development & Project Management

Overview of Proposed TRV Changes

DEQ and OHA are proposing a total of **624 TRVs** for 377 toxic air contaminants



Overview of Proposed TRV Changes



There are **238** proposed TRVs where TRV information was available from more than one authoritative source



There are **184** proposed TRVs where DEQ is the authoritative source

Agency's Request of ATSAC Members

- Carefully review 8 documents and 2 workbooks related to the TRV review
- Be prepared to share your answers to discussion questions
- Reach out to agency staff for help when needed

Clarifying Questions?

Break

ATSAC Document Review

ATSAC Documents 1-4

ATSAC Document Title & Website Link	Brief Description
<u>1: Overview of TRV Review</u>	<ul style="list-style-type: none">• Intended to serve as a table of contents of resources and links for ATSAC (all the information on this slide is in Doc. 1)
<u>2: Quality Control of Toxicity Reference Values</u>	<ul style="list-style-type: none">• Authored by Eastern Research Group (ERG) on behalf of DEQ• Describes the quality control process ERG followed
<u>3: ATSAC Meetings #5-7 Discussion Questions</u>	<ul style="list-style-type: none">• The key questions DEQ and OHA are seeking ATSAC feedback on
<u>4: Proposed TRVs Where DEQ is the Authoritative Source</u>	<ul style="list-style-type: none">• This document contains derivation information for every TRV where “DEQ in consultation with ATSAC” is listed as the authoritative source

ATSAC Documents 5-8

ATSAC Document Title & Website Link	Brief Description
<u>5: Proposed Groupings of Toxic Air Contaminants</u>	<ul style="list-style-type: none">• Explains how DEQ and OHA propose to group certain toxic air contaminants and apply TRVs to these groups
<u>6: Proposed TRVs Using PPRTV Screening Values as the Authoritative Source</u>	<ul style="list-style-type: none">• Identifies which proposed TRVs are “screening PPRTVs”
<u>7: Proposed TRVs Not Yet Finalized by Authoritative Sources</u>	<ul style="list-style-type: none">• Identifies which proposed TRVs are not yet final (i.e., still considered a draft value) by an authoritative source
<u>8: Diesel Particulate Matter (DPM) Framing Document</u> <i>Note: This document will be available online and emailed to you by the end of January.</i>	<ul style="list-style-type: none">• This is the only toxic air contaminant-specific framing document• Since DPM exposure is prevalent and can have a large impact on public health, DEQ and OHA thought it was important to have an ATSAC discussion specific to the cancer TRV for DPM

Clarifying Questions?



How to Find ATSAC Materials Online



DEQ ATSAC website under

the “Committee meetings and documents” section

<https://www.oregon.gov/deq/aq/air-toxics/pages/atsac.aspx>

ATSAC Workbook Review

	A	B	C	D	E
1		Table of Contents and Instructions for ATSAC Workbook #1: DEQ Proposed TRVs			
2		Date: 1-15-2025			
3		Authors: Oregon Department of Environmental Quality (DEQ) & Oregon Health Authority (OHA)			
4		Purpose			
5		The purpose of this workbook is to share a comprehensive list of the inhalation toxicity reference values (TRVs) that DEQ is proposing in the current Toxic Air Contaminant (TAC) Review and Update Rulemaking with members of the Air Toxics Science Advisory Committee (ATSAC).			
6		Websites			
7		Toxic Air Contaminant (TAC) Review and Update Rulemaking			
8		Air Toxics Science Advisory Committee			
9		DEQ Request for ATSAC Members			

	A	B	C	D
1		Table of Contents and Instructions for ATSAC Workbook 2: TRV Derivation		
2		Date: 1-15-2025		
3		Authors: Oregon Department of Environmental Quality (DEQ) & Oregon Health Authority (OHA)		
4		Purpose		
5		The purpose of this workbook is to share detailed information about the derivation of inhalation Toxicity Reference Values (TRVs) with members of the Oregon Air Toxics Science Advisory Committee (ATSAC). Detailed TRV derivation information was requested by ATSAC; refer to Updates to the TRV Update and Selection Process after the ATSAC Meeting on January 20, 2023 for more details. This workbook contains derivation information for all proposed TRVs and highlights cases when TRVs were available from more than one of DEQ's authoritative sources. In those cases, the TRV that DEQ and OHA selected as the proposed TRV is highlighted for ATSAC members to review. DEQ and OHA gathered the information in this workbook, and the Eastern Research Group (ERG) reviewed it for quality control purposes as part of the current Toxic Air Contaminant (TAC) Review and Update Rulemaking.		
6		Websites		
7		Air Toxics Science Advisory Committee		
8		Updates to the TRV Update and Selection Process after the ATSAC Meeting on January 20, 2023		
9		Toxic Air Contaminant (TAC) Review and Update Rulemaking		
10		DEQ Request for ATSAC Members		

ATSAC Workbooks

ATSAC Workbook Title & Website Link	Brief Description
Workbook 1: DEQ Proposed TRVs	<ul style="list-style-type: none">• Contains all proposed TRVs• Includes information about whether the proposed value is different from the one in existing rule and, if so, a very brief reason for the change
Workbook 2: TRV Derivation	<ul style="list-style-type: none">• Contains derivation information for all TRVs• Highlights when there were multiple candidate TRVs available to choose from and which TRV option DEQ is proposing• When there were multiple options for a TRV, derivation information is available for all candidate TRVs so that ATSAC can verify that DEQ and OHA selected the most scientifically robust TRV

You can also find this information in Table 2 of [Document 1: Overview of TRV Review](#) and on the [DEQ ATSAC website](#) under “Committee Meetings and Documents”

Clarifying Questions?

How to Find ATSAC Materials Online

DEQ ATSAC website under

the “Committee meetings and documents” section

<https://www.oregon.gov/deq/aq/air-toxics/pages/atsac.aspx>

Next Steps & ATSAC Initial Feedback

Next Steps for ATSAC Members

- Review the TRV review materials shared today before the next ATSAC meeting
- Draft initial responses to discussion questions (Doc #3)
- Attend the next series of ATSAC meetings
 - Scheduled for 2/10, 2/11, 2/19, and early March (TBD)
- Contact OHA toxicologists if you have any issues or questions

OHA Contact Information

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Initial ATSAC Feedback

1. Do you understand what DEQ and OHA is asking you to review?
2. Do you need any other information or resources to review the TRV update materials?

Thank you!

DEQ Contact Information

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