

Toxic Air Contaminant Review and Update Rulemaking

Cleaner Air Oregon

May 9, 2025

Environmental Quality Commission

Today's Discussion

- CAO Background
- Current Rulemaking Process
- Air Toxics Science Advisory Committee (ATSAC)
- TRV Review Process
- Rules Advisory Committee (RAC)
- Proposed Rulemaking

Why was CAO established?

Before Cleaner Air Oregon, Oregon's rules had gaps...

Companies operated legally - but emitted pollution that could be harmful to neighbors.

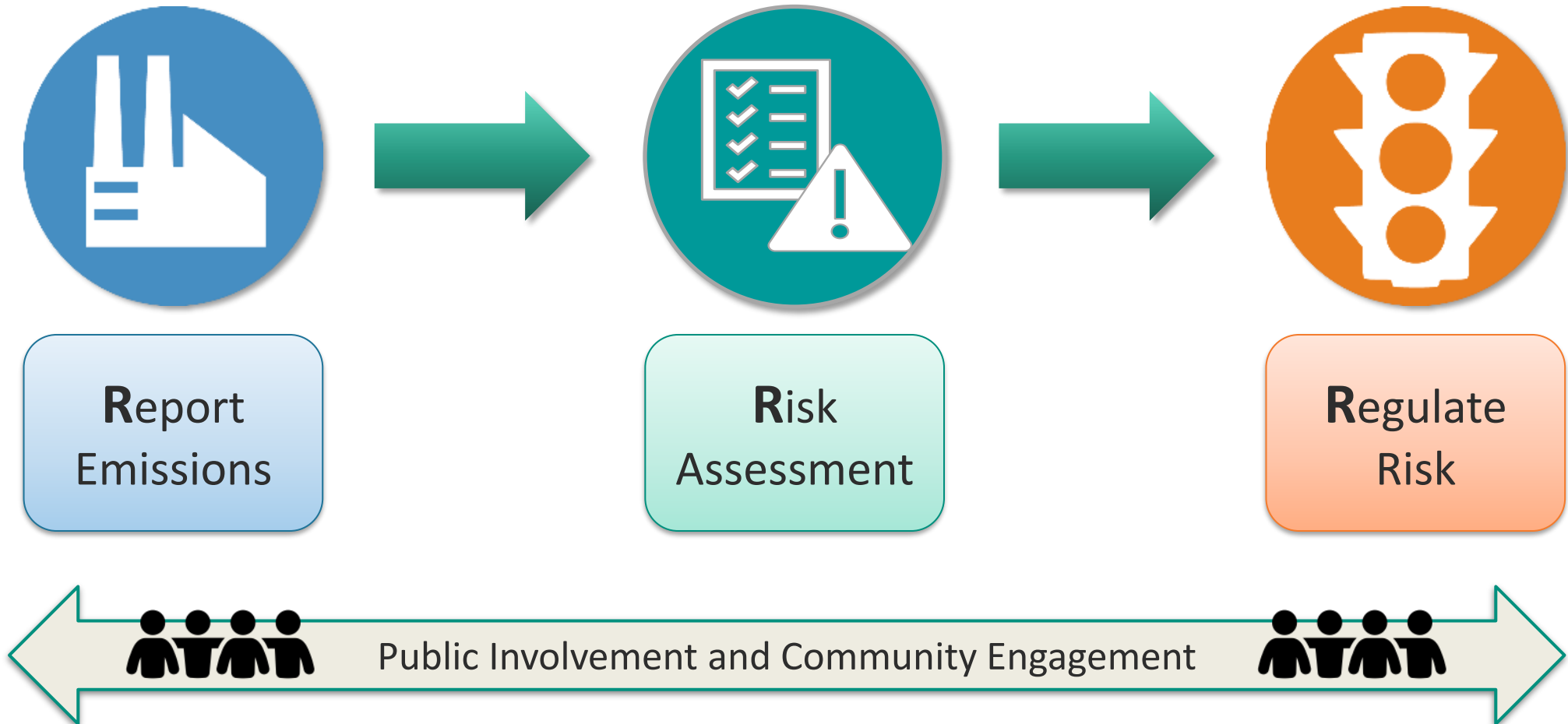
No assessment of
potential risks to neighbors

Limited air
toxics reporting

Health risks were not considered
in permit decisions

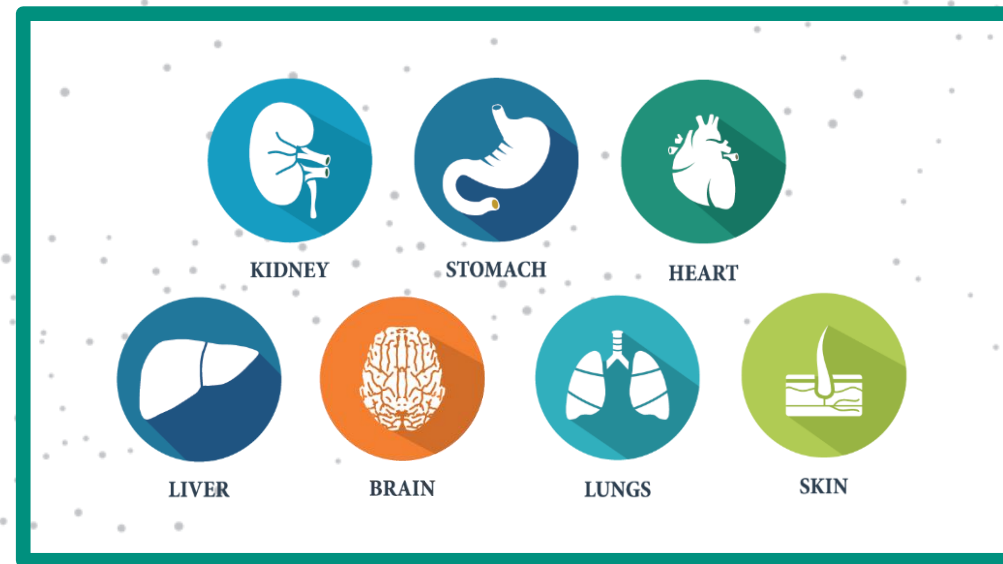


CAO Program Overview



Health Effects from Contaminants

Contaminants affect organ systems



Cancer

Noncancer

What is a Toxicity Reference Value (TRV)?

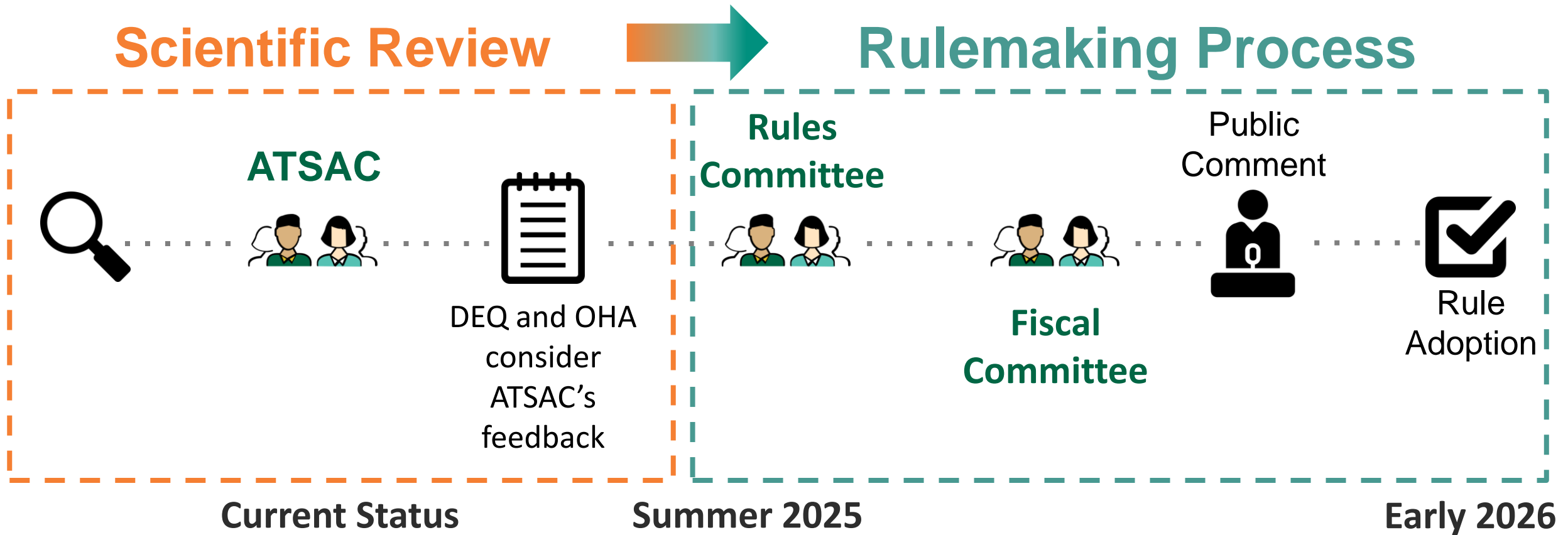
TRV is the amount of an air contaminant that may cause health problems when inhaled

- Cancer
 - Value corresponds to an excess cancer risk of 1 in 1 million
- Noncancer
 - Value above which relevant noncancer health effects might occur in humans following environmental exposure

TRV Updates Required Under Division 247

- Triennial review of TRVs to ensure latest science used
- Authoritative Sources that DEQ must use:
 - United States Environmental Protection Agency (EPA)
 - United States Agency for Toxic Substances and Disease Registry (ATSDR)
 - California Environmental Protection Agency (CalEPA)
 - DEQ in consultation with the Air Toxics Science Advisory Committee (ATSAC)
- Air Toxics Science Advisory Committee role and member qualifications
- Public petition process for the revising TRVs

TRV Rulemaking Process – Two Phases








Air Toxics Science Advisory Committee and TRV Review

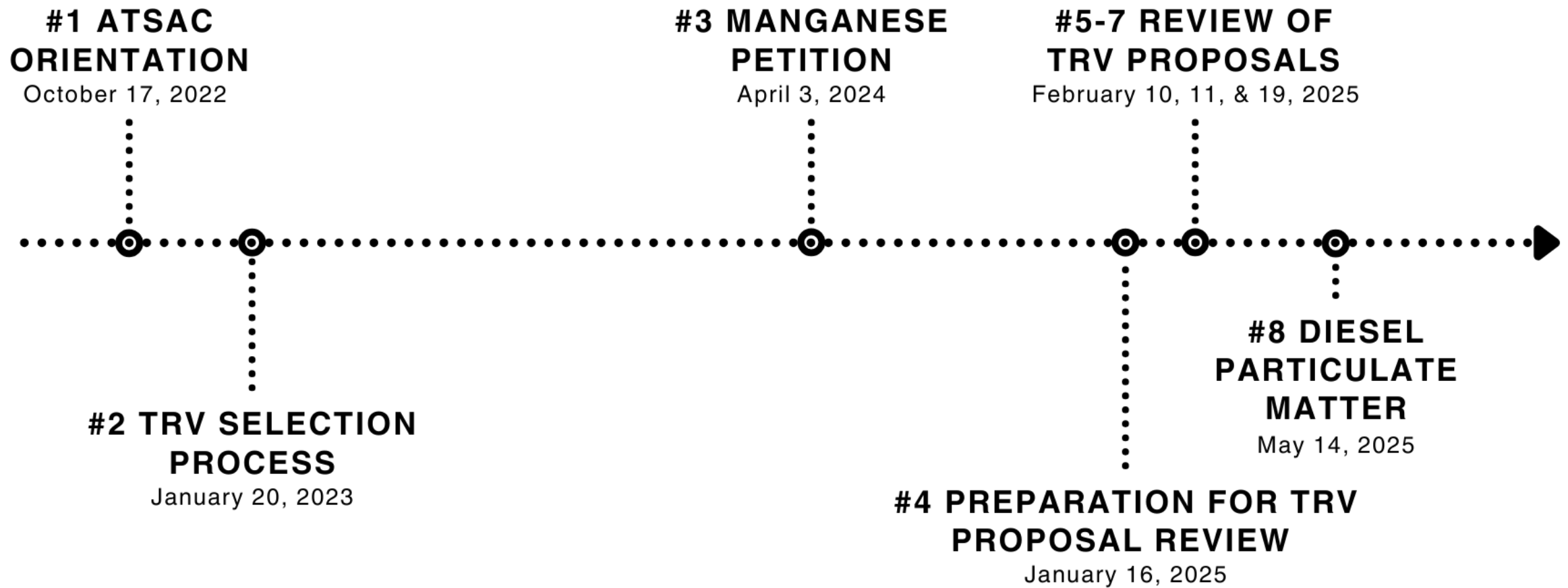
Division 247 Rules Governing ATSAC

- Composed of 5 to 7 volunteer members
- Advisory role only
- Threshold qualifications:
 - Toxicology and toxicity assessment
 - Environmental and atmospheric chemistry
 - Epidemiology and biostatistics
- No actual or potential conflicts of interest

Current ATSAC Members

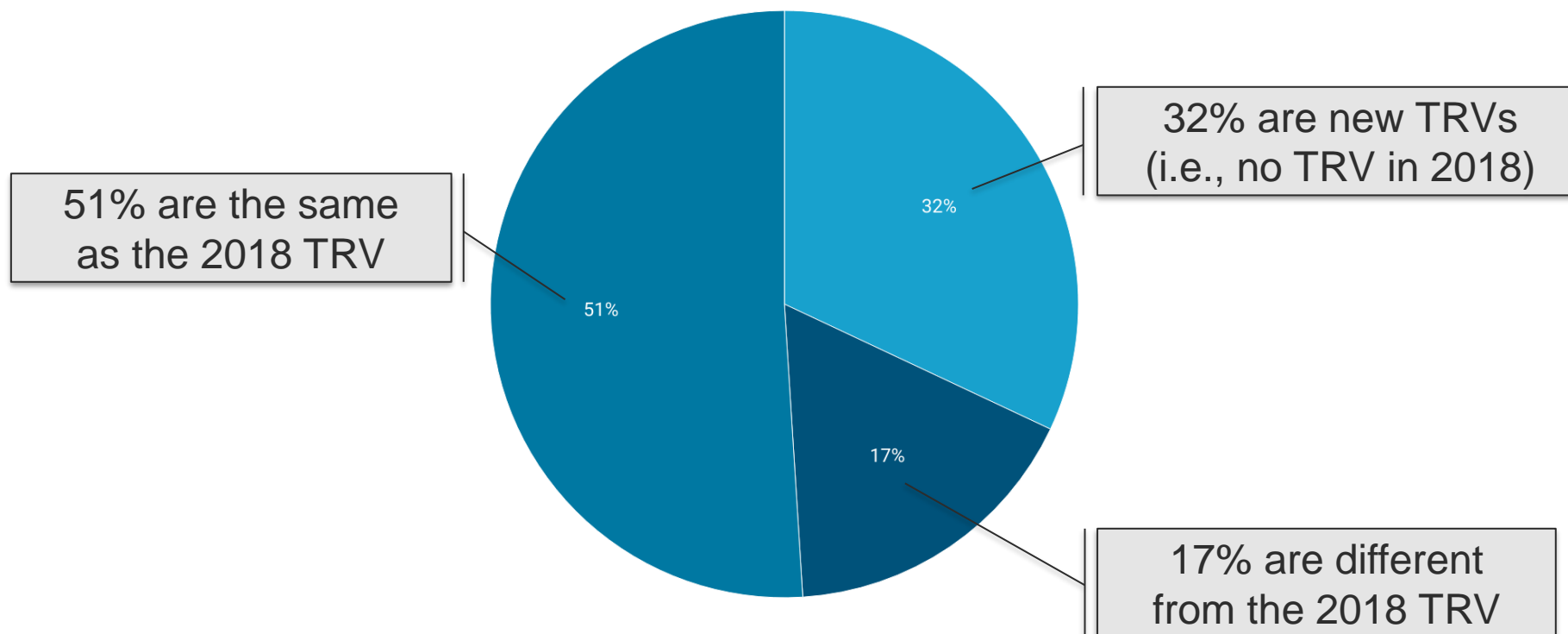
Nominee	Affiliation	Areas of Expertise in ATSAC Rules	
		Minimum Requirements	Additional Specializations
John Budroe, PhD	Recently retired from  CalEPA California Environmental Protection Agency	Toxicology, toxicity assessment, epidemiology	Inhalation toxicology, environmental public health
Qiaoxiang (Daisy) Dong, PhD	 CalEPA California Environmental Protection Agency	Toxicology, toxicity assessment, epidemiology	Inhalation toxicology, environmental public health
John Stanek, PhD	 EPA United States Environmental Protection Agency	Toxicology, toxicity assessment	Inhalation toxicology
Susan Tilton, PhD	 Oregon State University	Toxicology	Inhalation toxicology
John Vandenberg, PhD	Recently retired from  EPA	Toxicology, toxicity assessment	Inhalation, reproductive, and developmental toxicology; environmental public health

ATSAC Meeting Timeline



Overview of TRV Changes Proposed to ATSAC

DEQ and OHA consulted ATSAC on **624 TRVs** for 377 toxic air contaminants



Technical Work Highlights



TOXICOLOGISTS
REVIEWED
INFORMATION IN
20,000
EXCEL CELLS



ATSAC DOCUMENTS
451
PAGES



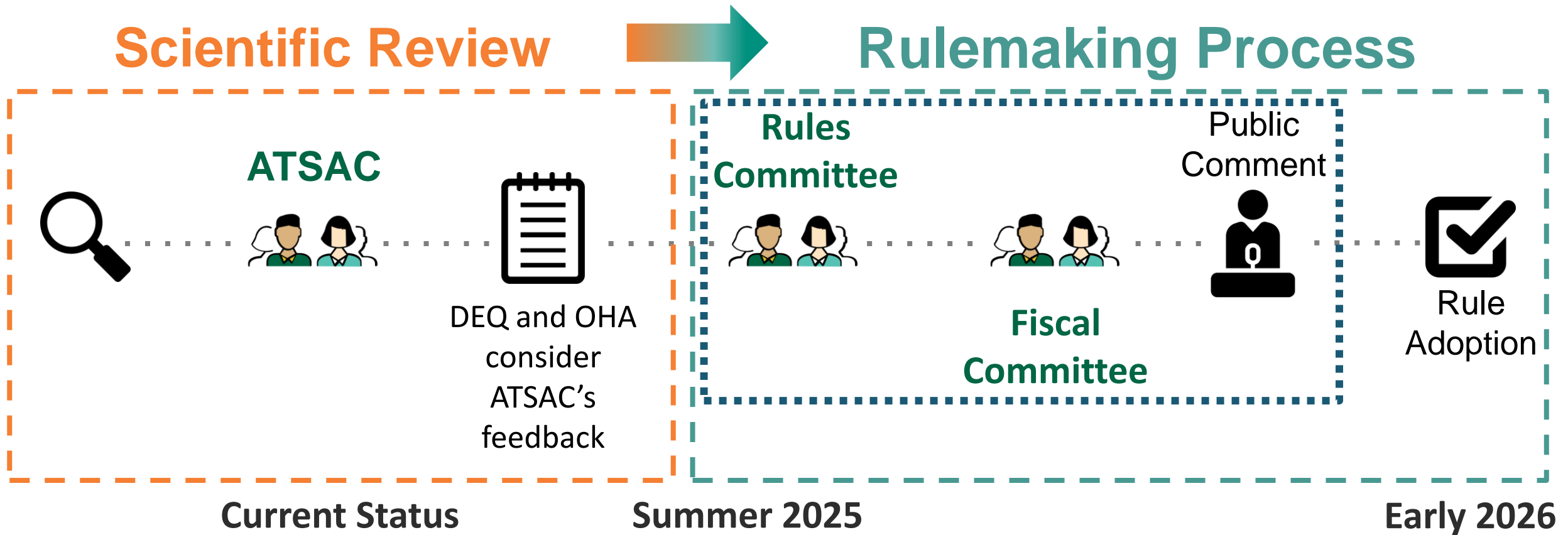
ATSAC MEETINGS
16
HOURS



ATSAC DISCUSSION
QUESTIONS
59

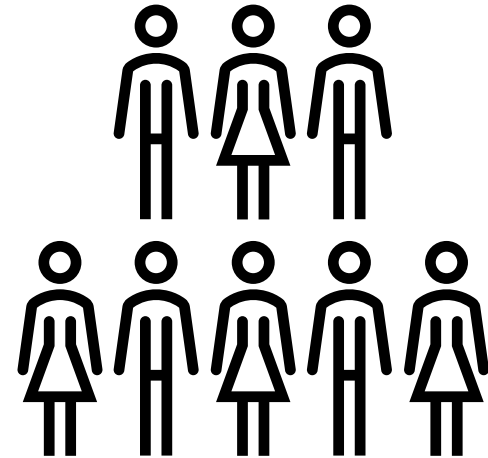
Rules Advisory Committee and Formal Rulemaking

TRV Rulemaking Process – Two Phases



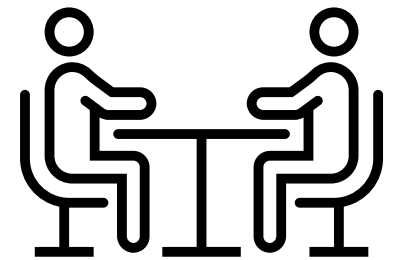
RAC and FAC Member Categories

- Permitted Facilities: Small to Large
- Advocacy: Community, Environmental, Industrial
- Academic and Nonprofit groups
- Business and Environmental Law
- Environmental Consultants
- Local Public Health officials



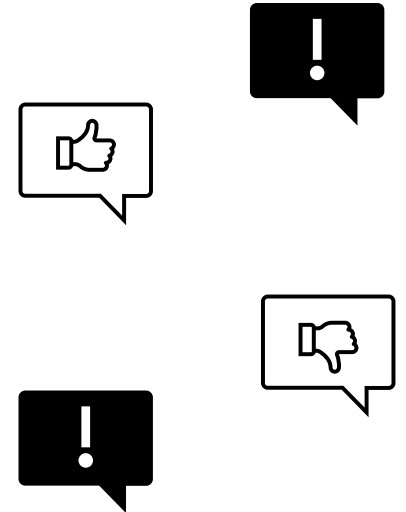
RAC and FAC Discussion

- Share feedback and updates based on ATSAC
- Opportunity to discuss the proposed TRV updates
- Additional proposed changes under rulemaking
 - TRV review frequency
- Discuss proposed implementation plan
- Review of financial impacts – small business considerations



Rulemaking Process Considerations

- Provide sufficient time for public comment
- Anticipate highly technical written comments
- Reconvene ATSAC as needed to address comments



Questions?