

Agenda Item D
Environmental Quality Commission Meeting
March 25-26, 2021

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Program Accomplishments

- DEQ is approving risk assessments and issuing permits to new facilities that meet health-based standards for surrounding communities
- DEQ is dramatically improving our knowledge of toxic air contaminants being emitted by facilities across Oregon
- DEQ prioritizes communication with facilities and community groups, working closely with both to develop tools to improve implementation of this new program

Cleaner Air Oregon is Health-Based



Report toxic air contaminants





Assess risk





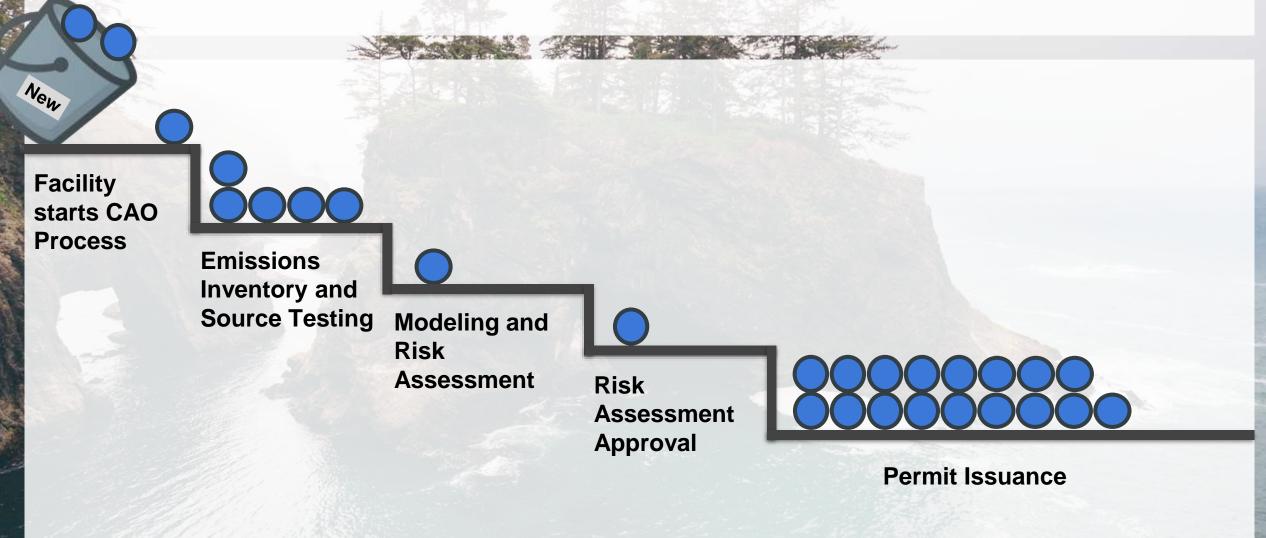
Regulate to reduce risk



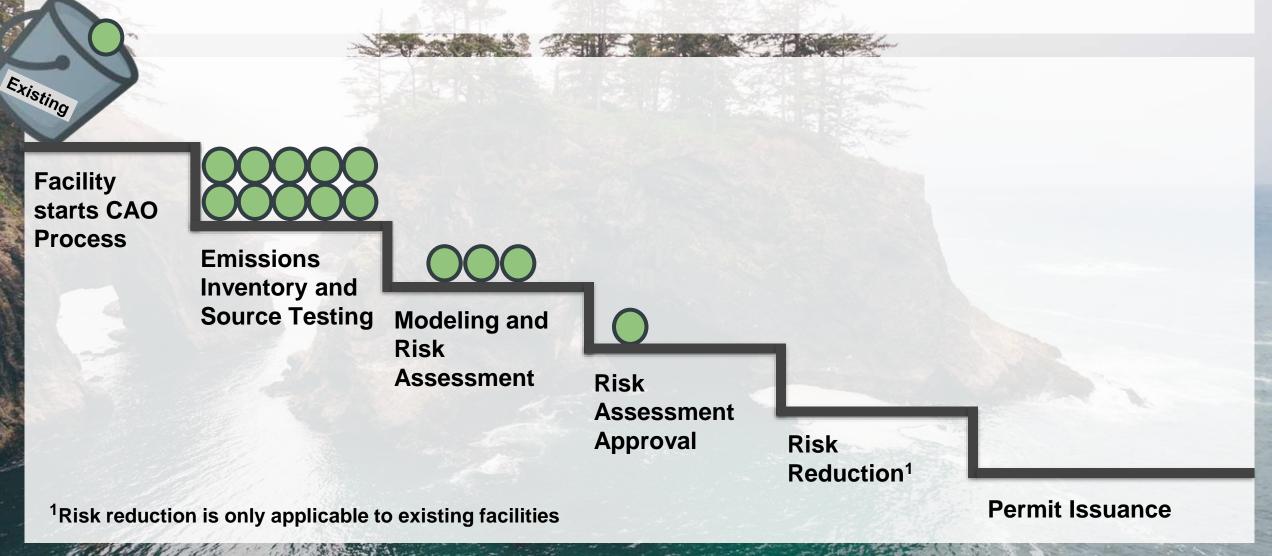
community engagement and public involvement

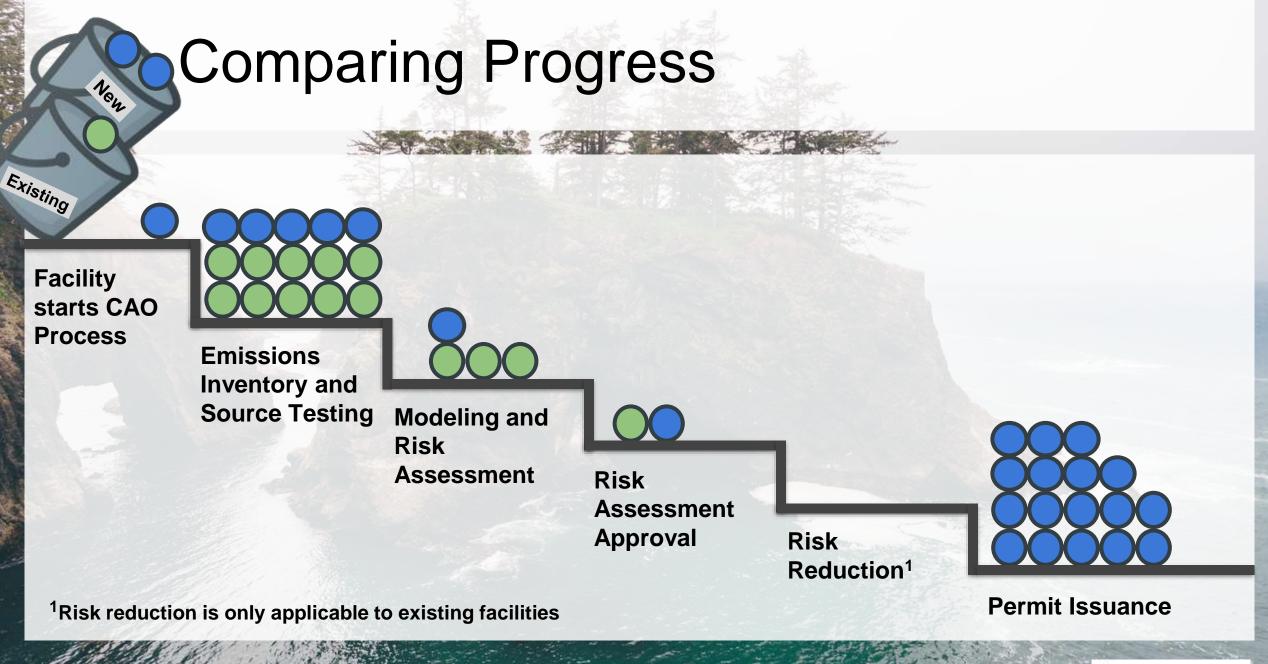


New facilities in Cleaner Air Oregon

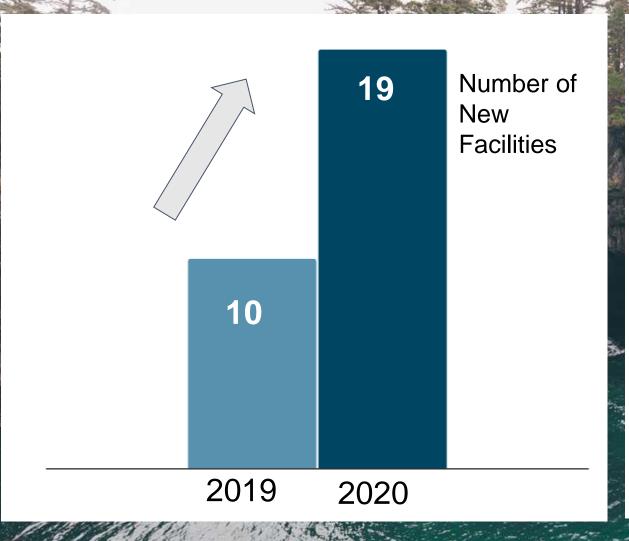


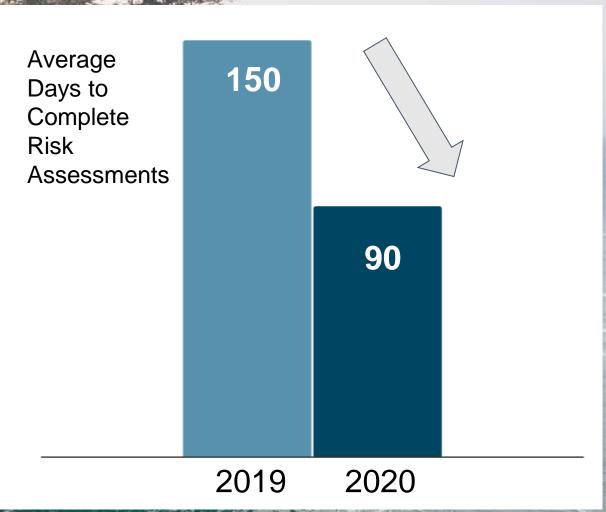
Existing facilities in Cleaner Air Oregon





Completing New Facility Risk Assessments





Working with Businesses

- Encourage early and frequent communication with facilities and consultants throughout CAO process
- Provide technical assistance to small businesses
- Attend and support workshops and other forums to share lessons learned and understand challenges
- Share lessons learned using FAQs and guidance

Resources for Facilities and Consultants

Cleaner Air Oregon - Toxics Emissions Unit Quick Guide

Each type of Toxics Emissions Unit has a different designation and reporting requirement. This table summarizes

how to designate and report risk for each TEU type. Risk Action Levels

ow to designate and report to Criteria for Qualification		Report	R
TEU Designation		gametone	
Course	A TEU trust combusts natural gas, propers, liqueted petroleum properties de la combustis natural pretroleum properties de la combustis de la c	Yes	1
Combustion	gas or, with written app-0650(5)	(3)	T.
Aggregated	Multiple TEUs at a facility with cumulative risk below 1. Multiple TEU Risk Action Level (OAR 340-245-8010 Tacke 1)	Yes	1
TEUN	[OAR 340-245-0020/01]	No.	١
Exampt TEUs ²	Exempt TEUs can be categorically insignificant: OAR 340-200-0020, excluding subsection (a) and some muretenance and repair shops subsection (a) and some muretenance and repair shops. Trace: A TEU that is not blady to smit took air contaminants in more than trace amounts, such that it does not appear on Safety Data Sheets. [OAR 340-245-00503] A TEU that does not meet the orders for a gas combustion.		
		Yes	
Significant TEUs	A TEU that does not meet on aggregated, or exempt TEU.	processes can ex-	246

*TEUs that end traic air contamenants from both a gas combustion exempt process and non-exempt process.

*Written approved from DEQ for Appropriate and Exempt TEUs is required prior to submitting a High Assessment process, four-exempt processes must compare that to the Roya Action Levels. Tit a facility respects to be a de receiving source, risk from approved appropried TECAs must be added to the Source Rose of Level. For all other asserses. The risk from qualified appropried TEUs do not need to be added to the Source Sins when or

* Exempt TEUs must be listed to the entirested imentary but the calculation of bosc or contaminant emissions do not be



RECOMMENDED PROCEDURES FOR TOXIC AIR CONTAMINANT HEALTH RISK

Step-by-Step Guide for Facilities

Cleaner Air Oregon Home El Background And Overview

(B) For Community

El For Facilities

▶ Step-By-Step Guide For **Facilities**

Ell Frequently Asked Questions For Facilities

The Cleaner Air Oregon program evaluates facility risk based on tooc air contaminant. emissions and proximity to exposure locations. This step-by-step guide includes instructions and recommended procedures for facilities going through the Cleaner Air Oregon program. A video futures is available to provide an overview of the resources and risk assessment

To be transparent with neighboring communities, the status of a facility's risk assessment, submitted documents, and DEQ responses can be found on individual facility and promise. At any point in the process, you can email us at cleaner an @deep state or us of contact your perind writer for assistance.

Step 1: Pre-Application Forms, Fees, and Schedule

Stay 7: Emissions Inventory and Source Testing

The Emissions Inventory submittal (ACHOSCAI) Wi) identifies all tolec emission units. process activity levels, toxic air contaminants, appropriate emission factors, material balance: and emissions calculations (including assumptions, references and methodologies: At this stage, DEQ or the facility determines if source testing will be conducted to complete the Emissions Inventory.

The following information should be provided:

- Required Form AQ405CAO WILL
- Identification of Toxic Emession Units (TESA) Air (Quick Quite)
- Activity by TEU in g., actual, requested potential, capacity, maximum daily).
- Identification of Toxic Air Contaminants (TACs) by TEU
- Identification of control devices and efficiencies by TEU.
- Identification of envision factors by TEU

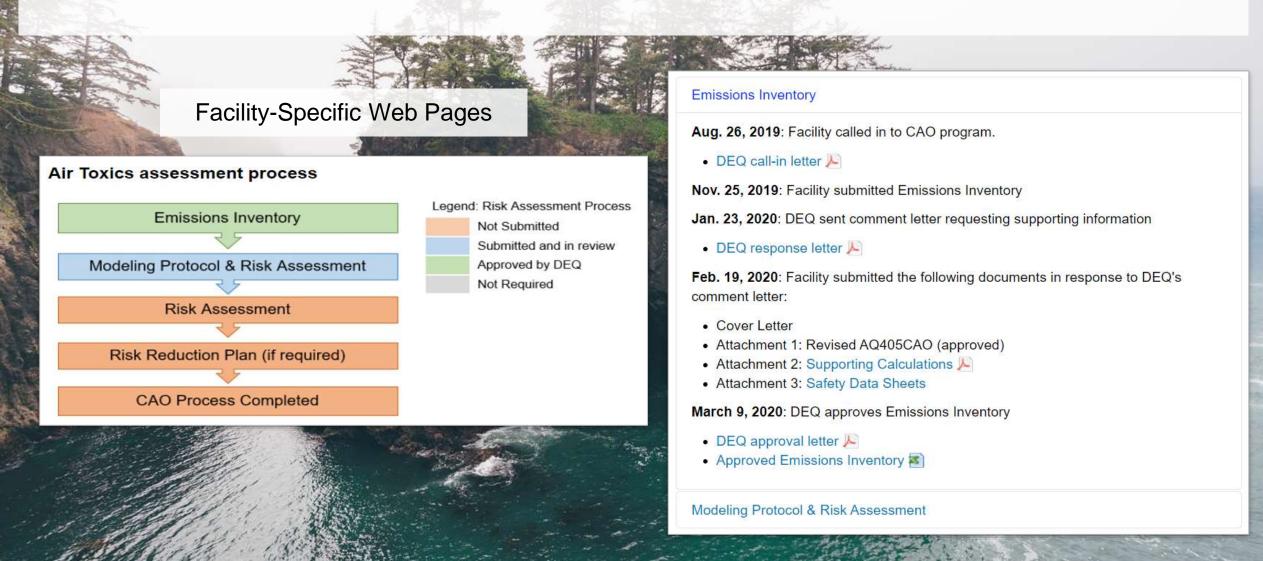


State of Oregon DEO Department of Environmental Quality

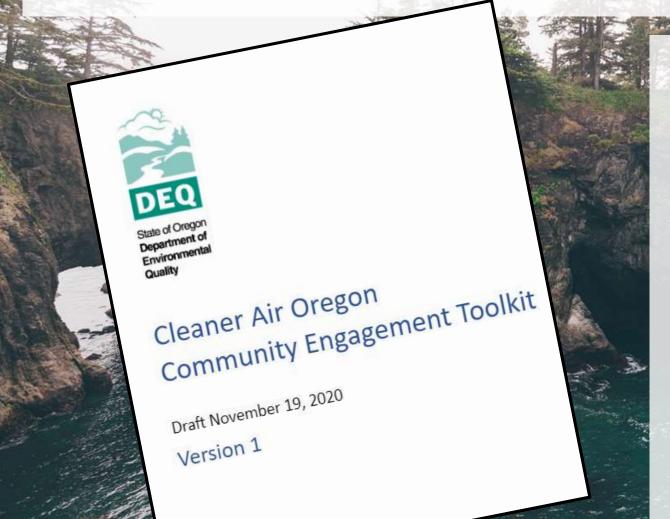
Working with Communities

- Work closely with community members and other interested parties to provide information about emissions and risks, and get input that can help improve accuracy of assessments
- Recently hired full time Community Engagement liaison and coordinator
- Building capacity in vulnerable and disproportionately impacted communities
- Use web-based resources to provide current information about assessments

Resources for Community Members



DEQ's Draft Community Engagement Toolkit





Assess



Plan

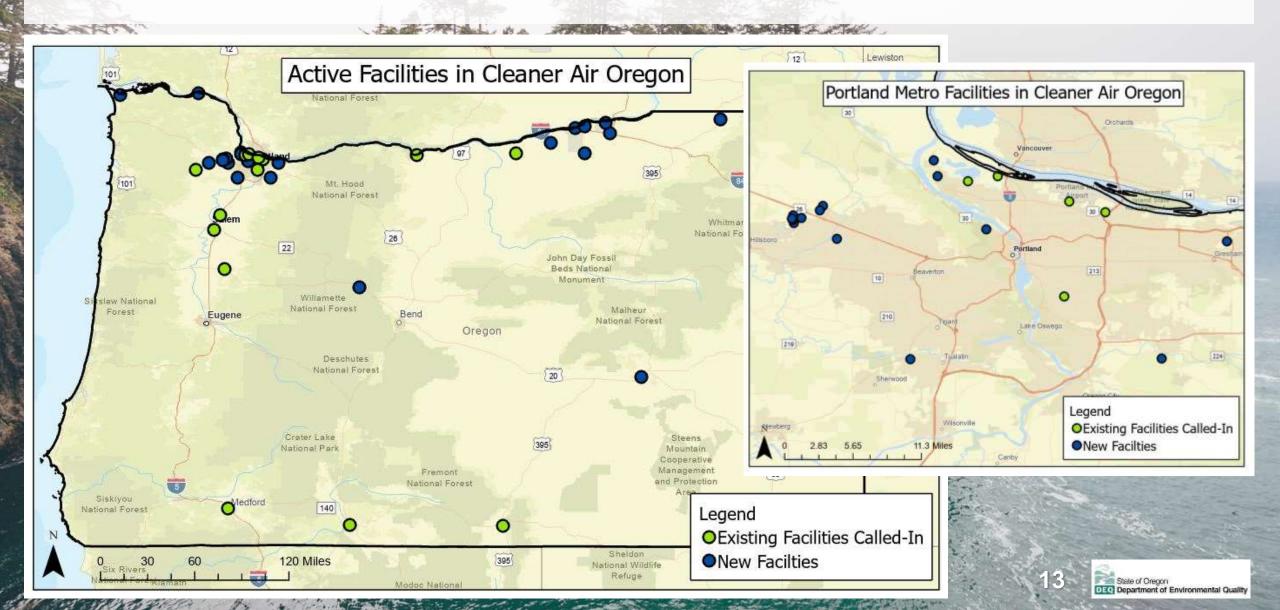


Engage



Evaluate

Case Studies



Case Study: Metal Foundry



Metal Foundry

Data Center

Wood Products

Portable Incinerator

Food Processor



CAO Status Emissions Inventory



- High community interest
- Unique source testing challenges
- New emissions data from this sector

Case Study: Data Center



Metal Foundry

Data Center

Wood Products

Portable Incinerator

Food Processor

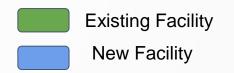


CAO Status Modeling Protocol & Risk Assessment Work Plan



- New emissions data for emergency generators
- Increased familiarity = shorter time to issue permit

Case Study: Wood Products



Metal Foundry

Data Center

Wood Products

Portable Incinerator

Food Processor

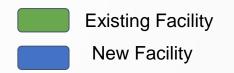


CAO Status Risk Assessment



- High-quality emissions data available for this industry = faster EI approval
- Larger source with low risk

Case Study: Portable Source



Metal Foundry

Data Center

Wood Products

Portable Incinerator

Food Processor



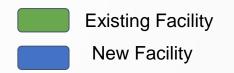
CAO StatusPermit Issuance



Photo Credit: Vern Fisher - Monterey Herald

- Modeling tools developed for a portable source = faster approval for future ACIs
- Unique community engagement challenges

Case Study: Food Processor



Metal Foundry

Data Center

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Food Processor



CAO StatusPermit Issuance



- Findings from the risk assessment at this facility will speed up CAO process for other, similar facilities in the state
- Low risk source

Takeaways and Opportunities

- Existing facility risk assessments are complex, timely issuance of new permits is a priority
- Program implementation requires coordination and integration with existing DEQ staff and resources
- Community members want their input addressed in assessments and permitting outcomes
- As we gain experience, program updates will help streamline and clarify requirements, and further develop DEQ's air toxics programs

Future EQC Involvement

