

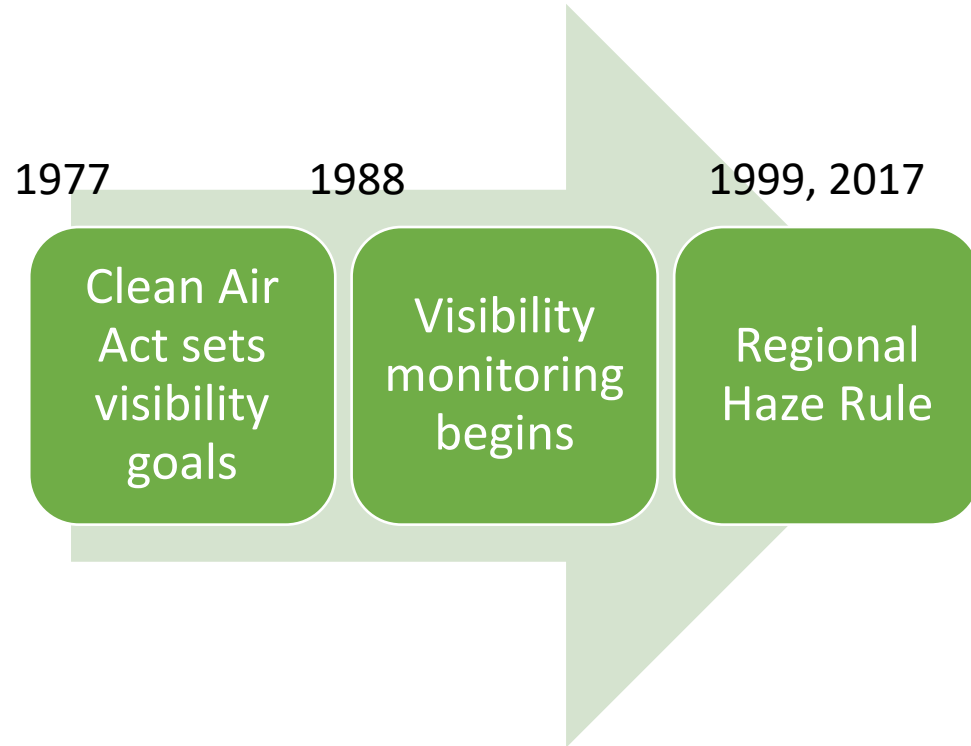


Oregon Regional Haze 2018 - 2028 State Implementation Plan

Presentation to Environmental
Quality Commission
Item C (Action)
Feb. 3, 2022

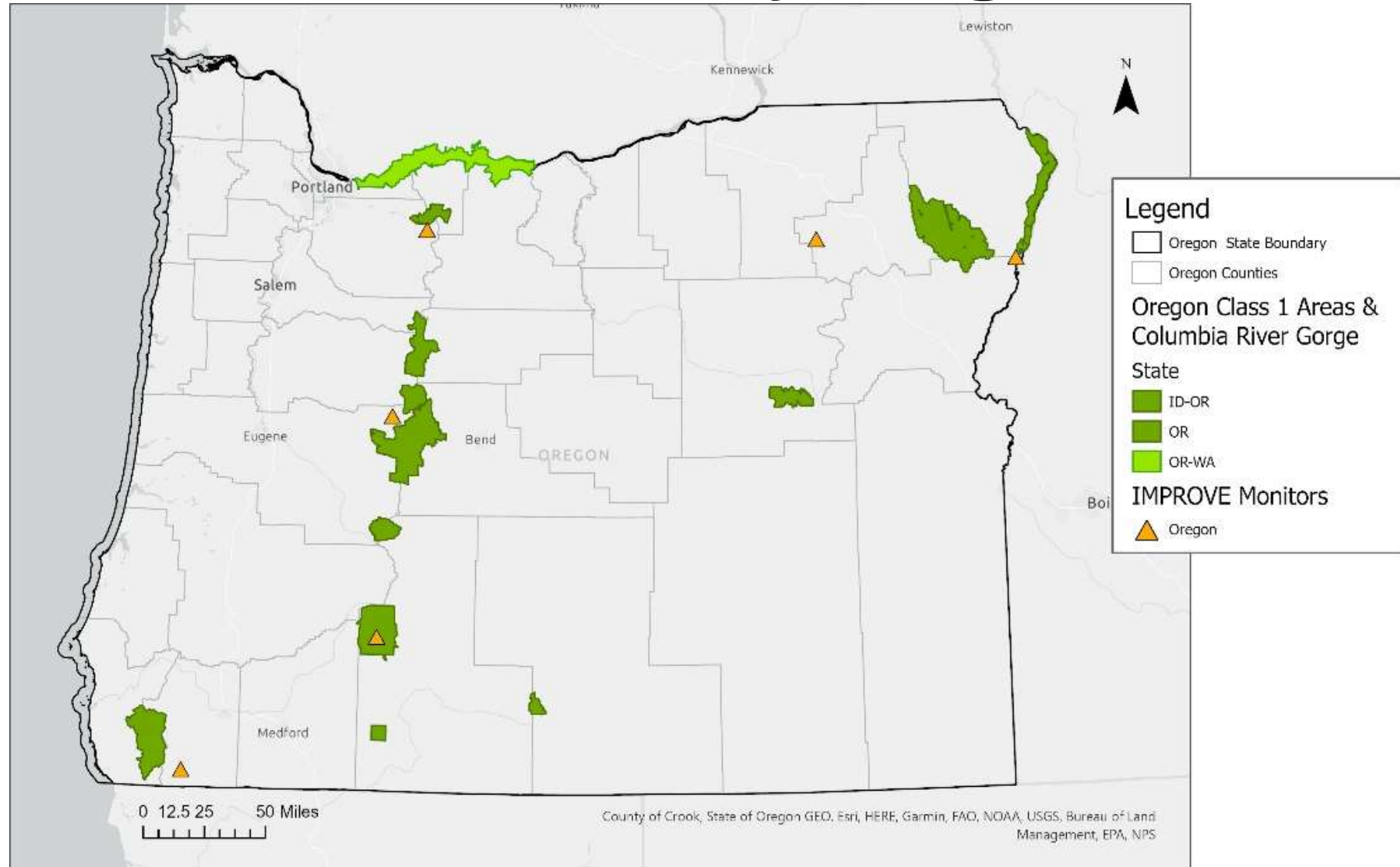


Regional Haze Program Overview



States must establish plans to improve visibility in certain wilderness areas and national parks to natural conditions by 2064.

Oregon Areas Protected by Regional Haze Rule



Sources of Visibility Impairment

Haze
Pollutants

NO_x

SO_2

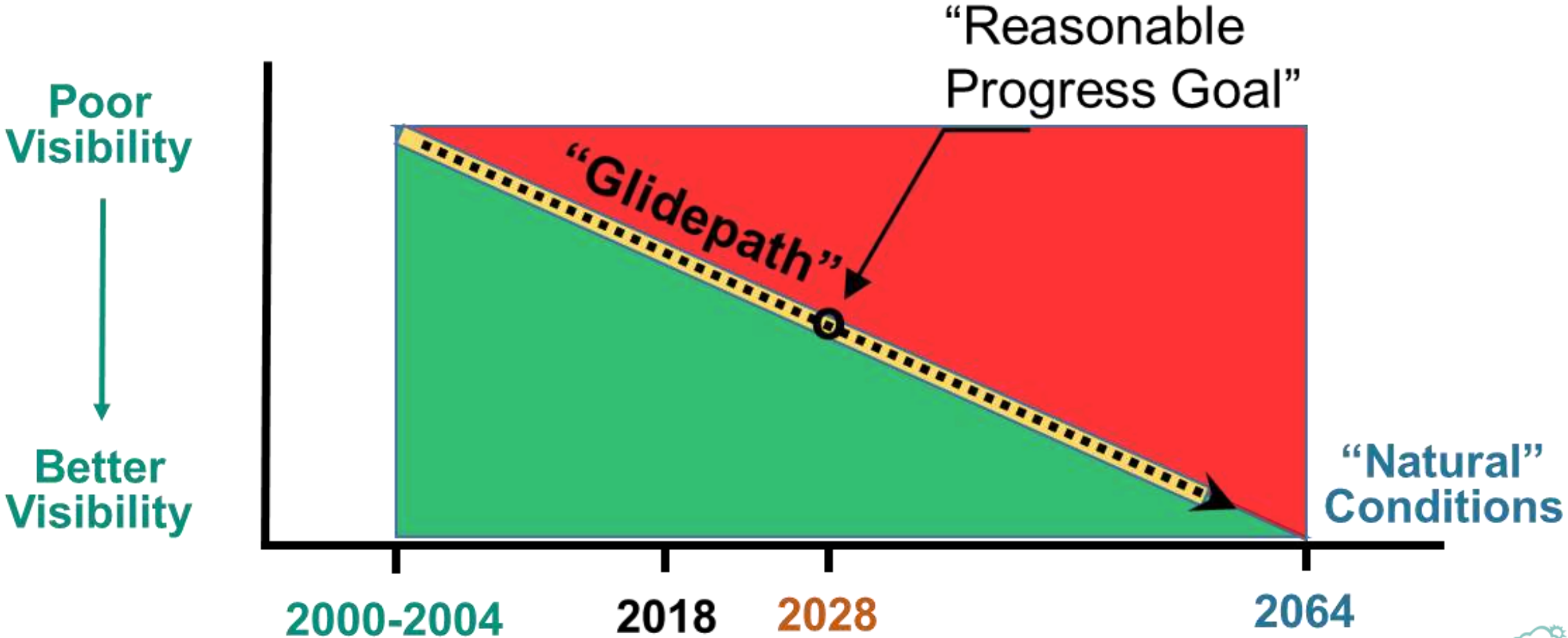
PM



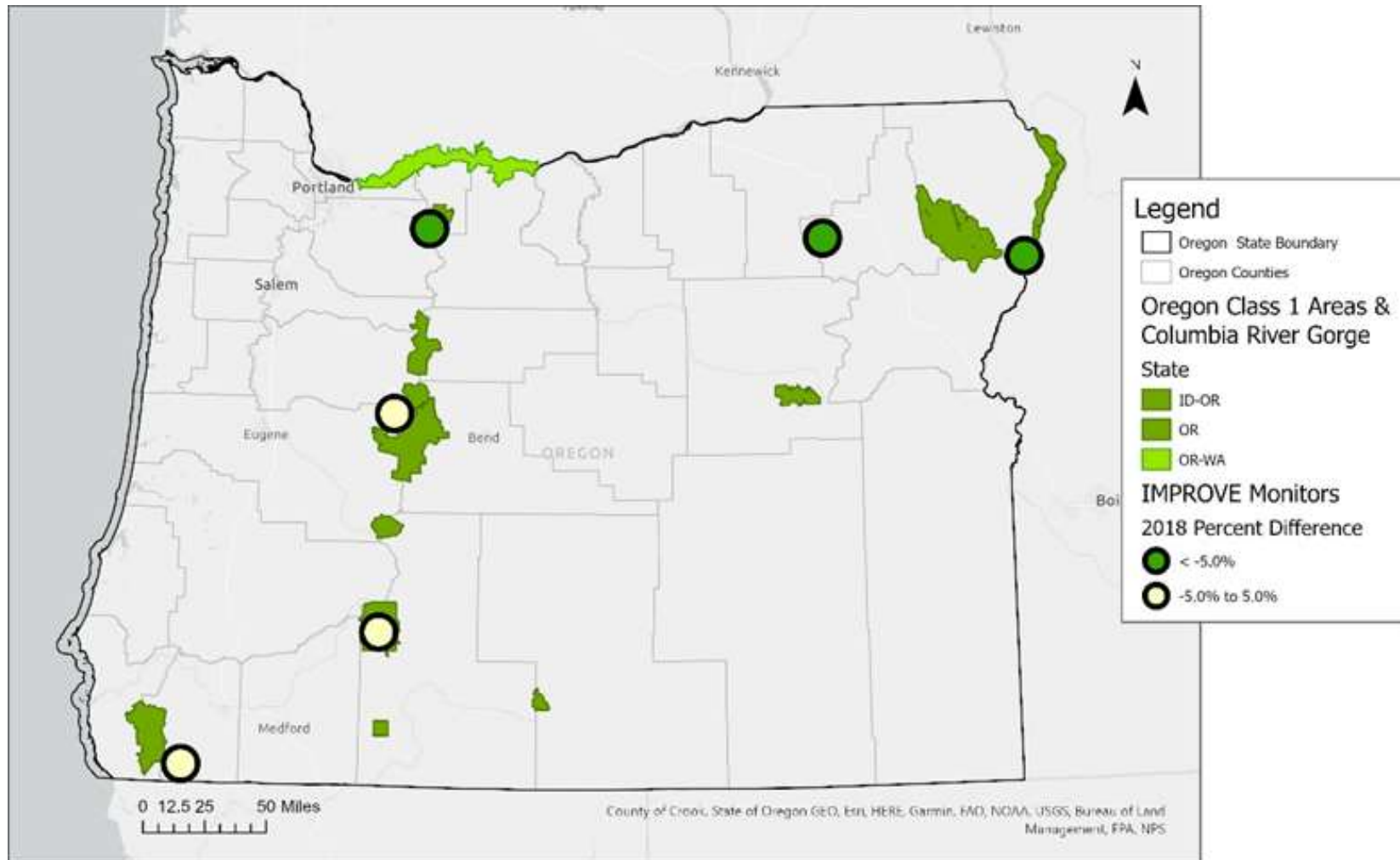
2018 – 2028 Regional Haze Plan

Chapter	Description
1	History, Class 1 Areas, Monitoring Network
2	Visibility: current, 5-yr progress, projected
3	Stationary Source Emission and Controls Analysis
4	Visibility Improvement Strategies: stationary, mobile, area sources
5	Reasonable progress demonstration
6	Consultations and Response to Comment

Uniform Progress toward Natural Visibility

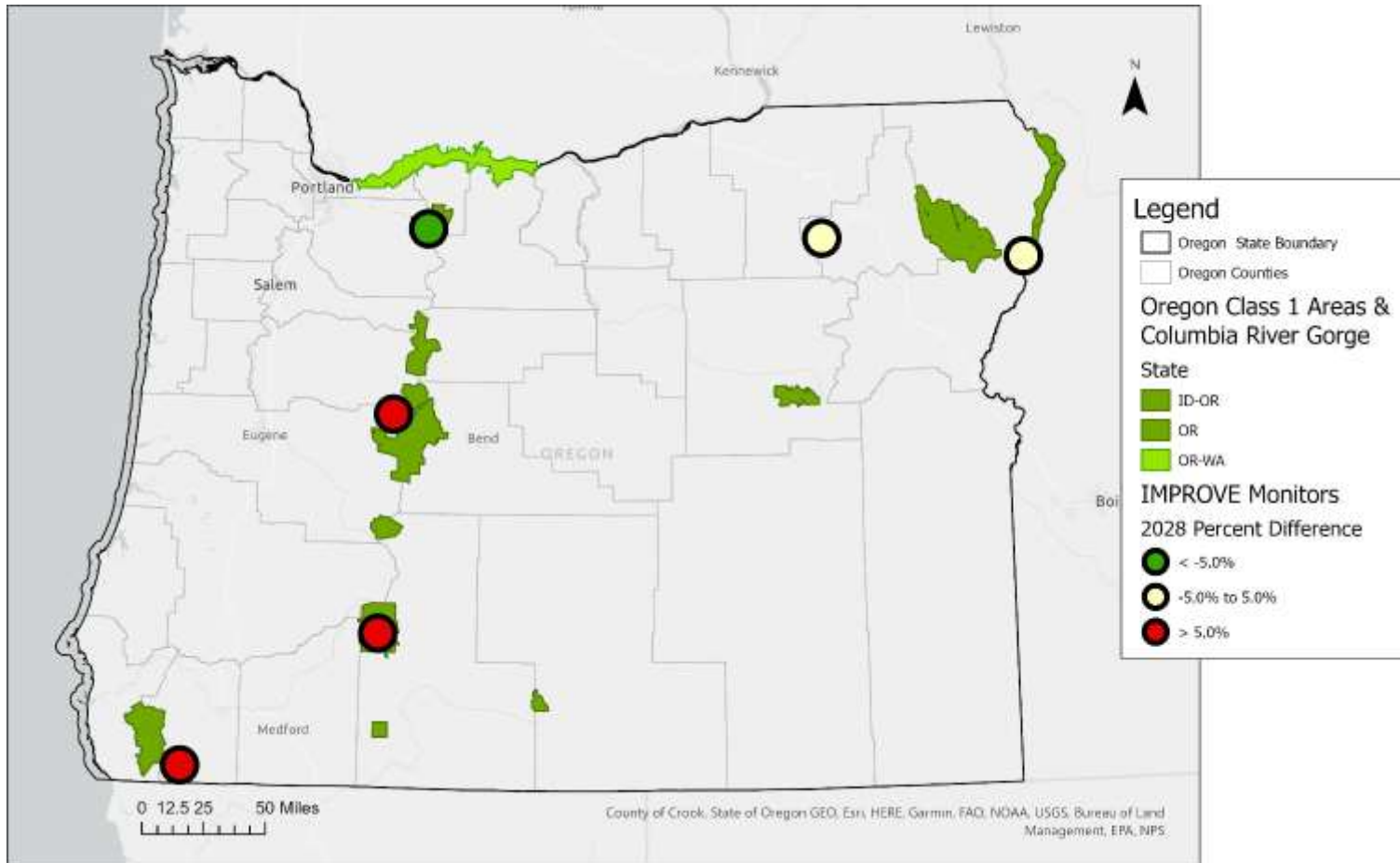


Visibility and Five-Year Progress



Meeting
2018
Reasonable
Progress
Goals

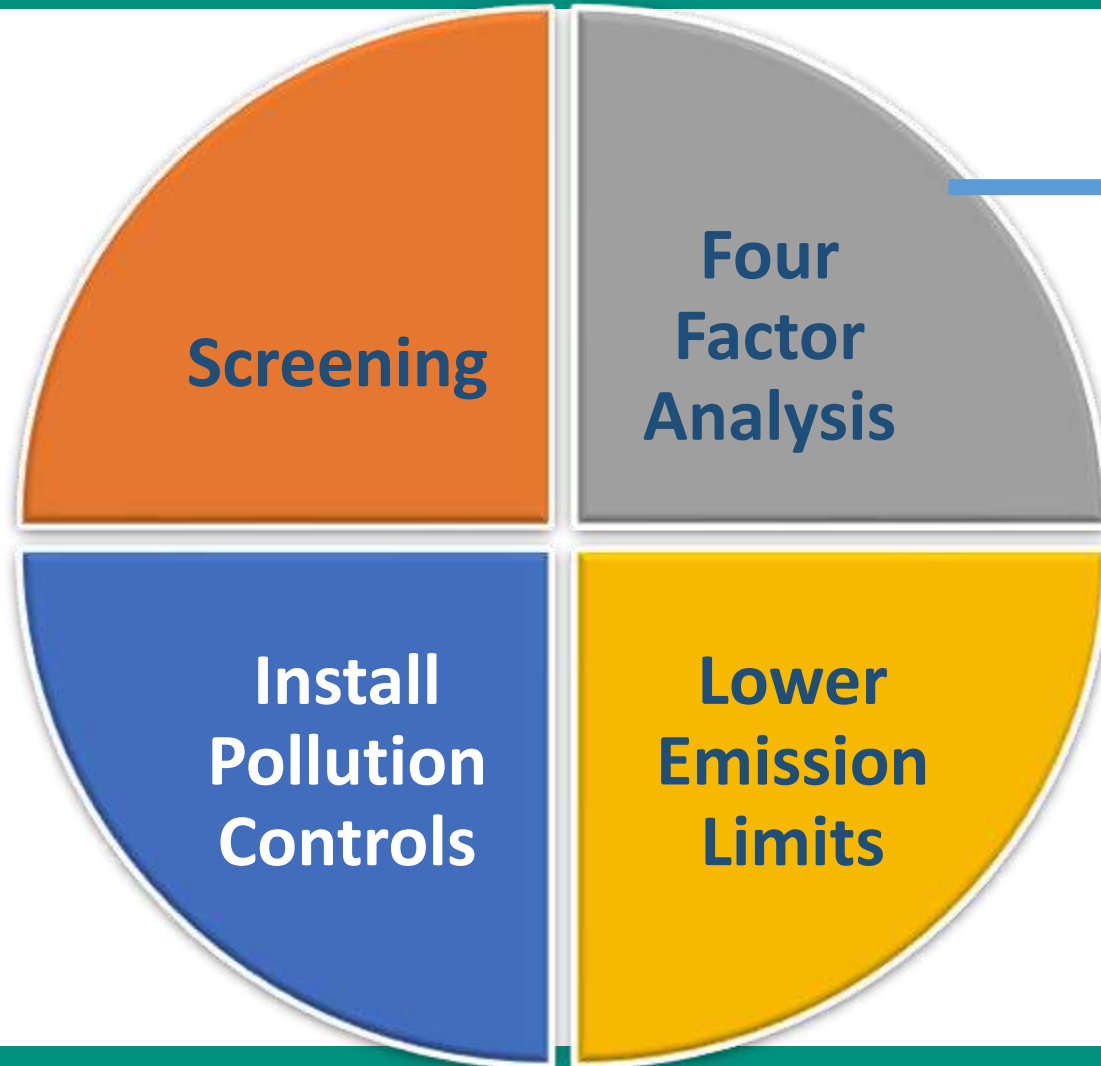
Projected (Modeled) Visibility



2028 Projections

Modeling results thanks to Western Regional Air Partnership

Stationary Source Analysis and Controls



Cost



Time

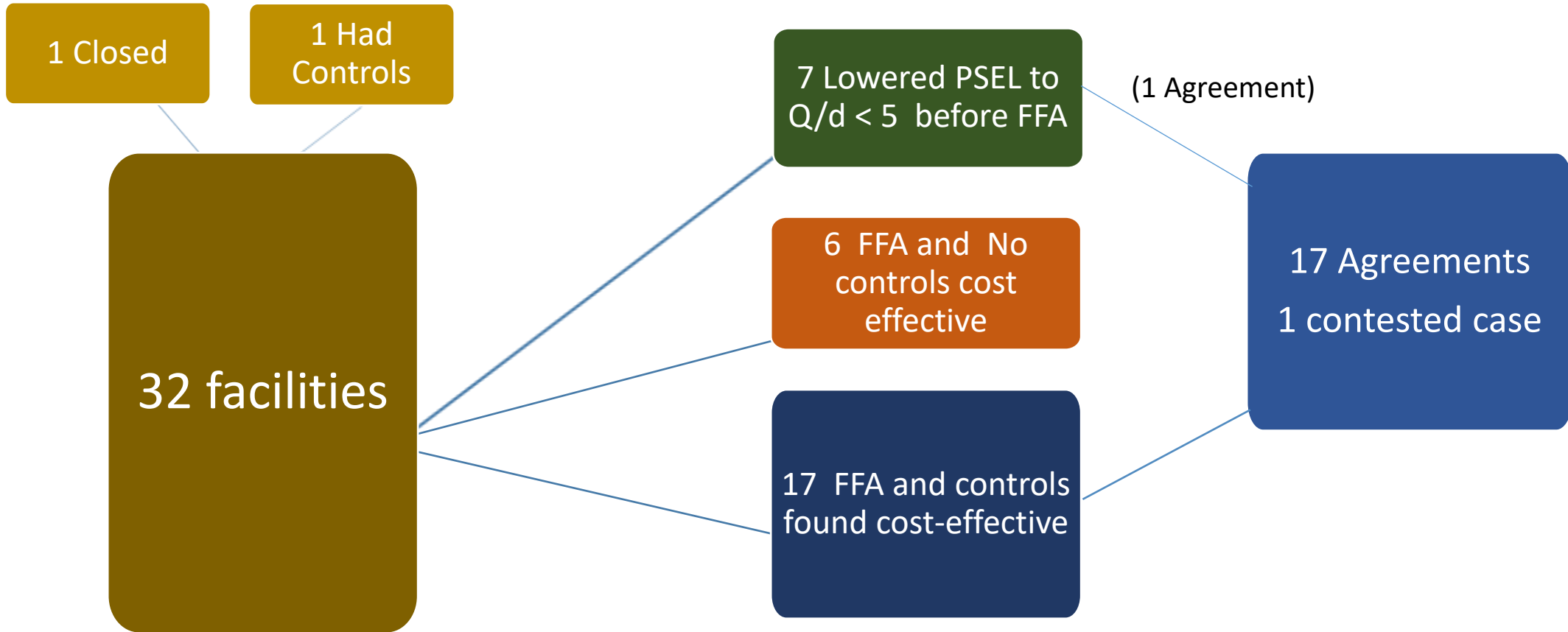


Energy/non air



Useful life

Outcomes after Screening and FFA



Enforced through Permits and other Orders

1
2

BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY

OF THE STATE OF OREGON

Permit No. : 10-0013-TV-01
Expiration Date: 1/01/2017
Page 1 of 1



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT

Western Region
4026 Fairview Industrial Dr. SE
Salem, OR 97302
Telephone: (503) 378-8240

Issued in accordance with provisions of ORS 468A.040
and based on land use compatibility findings included in the permit record.

ISSUED TO:

INFORMATION RELIED UPON:

)
)
) Operations LLC)
)
) STIPULATED AGREEMENT AND
FINAL ORDER
)
) ORDER NO. 04-0004

-Pacific Consumer Operations LLC, and the Department of
EQ) hereby agree that:





11,000 tons of PSEL reductions
Eliminate #6 fuel oil as backup at pulp/paper facilities
6 facilities installing continuous monitoring
6+ facilities installing control devices
1+ facilities replacing emission units

Long-Term Strategy

(Examples – see Chapter 4 for full strategy)

Stationary sources



- Controls
- Emission reductions

Mobile Sources



- Clean trucks rule
- Clean vehicle rebates

Area Sources



- Better quantify and reduce ammonia emissions



- Open burning rule updates
- Smoke Management Plan

2028 Goals Meet Uniform Rate of Progress



Economic and Health Benefits

Healthcare Savings



Rural Economies - Travel, Tourism and Recreation



Considering “nonair and environmental effects”

Demographics of population within 2.5 km

Percent minority, low income, educational level, age

Vulnerable population indices included in SIP – a first!

Key Policy Decisions

Screening and
Cost
Effectiveness

Alternative
Compliance

Stipulated
Agreements
and Orders

Not Adjusting
Glidepath

Consultations

- Western Regional Air Partnership
- Tribal Consultation
 - Government to government outreach
 - WRAP Tribal Technical work group
- States
- Federal Land Managers
 - National Park Service
 - U.S. Forest Service

Public Engagement

- Public comment period Aug. 27 – Nov. 1, 2021
- 30-day extension granted
- Public Hearing: Oct. 25, 2021
- Approximately 460 written and oral comments received (~440 similar written comments)

Comment Categories and Responses

Lack of emission rates and monitoring

- Some SAFOs lacking enforceable emission rates or compliance dates
- Include monitoring, reporting for SIP approval
- Specify that existing controls required

Response

- SAFO amendments
- Incorporate permit sections in SIP
- Refer to requirements to maintain existing controls



EPA

Comment Categories and Responses

Controls and Alternative Compliance

- Support screening and cost thresholds
- Oppose screening out by PSEL reduction
- Oppose not requiring cost-effective controls

Response

- Consistent with Division 223
- Acknowledged difference in short-term and long-term strategies
- Provided more explanation in SIP

**Most
comments**

Comment Categories and Responses

Area Sources - Smoke

- Address orchard burning
- Include more strategies to reduce woodsmoke from residential biomass burning
- Account for likely increase in prescribed burning

Response

- Included additional woodsmoke reduction strategies
- Expanded descriptions of woodsmoke and burning rulemakings
- Rely on Smoke Management Plan; did not adjust glidepath

Recommendation

- Adopt the 2018 – 2028 Regional Haze State Implementation Plan; included as Attachment D; and
- Approve incorporating the 2018 – 2028 Regional Haze State Implementation Plan into the Oregon Clean Air Act State Implementation Plan adopted under OAR 340-200-0040; and
- Adopt the proposed rules in Attachment A as part of Chapter 340 of the Oregon Administrative Rules, to reflect the amendment of the Oregon Clean Air Act State Implementation Plan; and
- Direct DEQ to submit the approved 2018 – 2028 Regional Haze State Implementation Plan to the U.S. Environmental Protection Agency for approval.

